

---

**1st annual meeting of NGFN-plus and NGFN-transfer in the programm of medical genome research, 12th-13th December 2008 at Helmholtz Zentrum München.** Helmholtz Zentrum München, 390 S. (2008).

Abe, K.,Klaften, M.,Narita, A.,Kimura, T.,Imai, K.,Kimura, M.,Rubio-Aliaga, I.,Wagner, S.,Jakob, T. & Hrabé Angelis, M. de: **Genome-wide search for genes that modulate inflammatory arthritis caused by Ali18 mutation in mice.** Mamm. Genome 20 (3), 152-161 (2009).

Abel J.,Eskeland R.,Raffa G.D.,Kremmer E. & Imhof A.: **Drosophila HP1c is regulated by an auto-regulatory feedback loop through its binding partner Woc.** PLoS ONE 4 (4), e5089 (2009).

Abiatari, I. et al.: **Consensus transcriptome signature of perineural invasion in pancreatic carcinoma.** Mol. Cancer Ther. 8 (6), 1494-1504 (2009).

Abiatari, I.,Esposito, I.,Oliveira, T. de,Felix, K.,Xin, H.,Penzel, R.,Giese, T.,Friess, H. & Kleeff, J.: **Moesin dependent cytoskeleton remodeling is associated with an anaplastic phenotype of pancreatic cancer.** J. Cell. Mol. Med. , DOI:10.1111/j.1582-4934.2009.00772.x (2009).

Abu Laban, N.,Selesi, D.,Jobelius, C. & Meckenstock, R.U.: **Anaerobic benzene degradation by Gram-positive sulfate-reducing bacteria.** FEMS Microbiol. Ecol. 68 (3), 300-311 (2009).

Achenbach, P. et al.: **Autoantibodies to zinc transporter 8 and SLC30A8 genotype stratify type 1 diabetes risk.** Diabetologia 52 (9), 1881-1888 (2009).

Adam, T.,McAughey, J.,McGrath, C.,Mocker, C. & Zimmermann, R.: **Simultaneous on-line size and chemical analysis of gas phase and particulate phase of cigarette mainstream smoke.** Anal. Bioanal. Chem. 394 (4), 1193-1203 (2009).

Adamski, J.: **Mission to steroids.** J. Steroid Biochem. Mol. Biol. 113 (1-2), 1-2 (2009).

Adler, H.,El-Gogo, S.,Guggemoos, S.,Zimmermann, W.,Beauchemin, N. & Kammerer, R.: **Perturbation of lytic and latent gammaherpesvirus infection in the absence of the inhibitory receptor CEACAM1.** PLoS ONE 4 (7), e6317 (2009).

Afonso, L.C.,Schöfer, F. & Hoeschen, C.: **Absorbed dose enhancement caused by gold particles in polymer gels.** IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 414-415 (2009).

Aigner, B. et al.: **Generation of N-ethyl-N-nitrosourea-induced mouse mutants with deviations in plasma enzyme activities as novel organ-specific disease models.** Exp. Physiol. 94 (4), 412-421 (2009).

Aigner, B.,Rathkolb, B.,Klempt, M.,Wagner, S.,Michel, D.,Hrabé Angelis, M. de & Wolf, E.: **N-ethyl-N-nitrosourea mutagenesis produced a small number of mice with altered plasma electrolyte levels.** J. Biomed. Sci. 16, 53 (2009).

Ainsbury, E.A.,Bouffler, S.D.,Dörr, W.,Graw, J.,Muirhead, C.R.,Edwards, A.A. & Cooper, J.: **Radiation cataractogenesis: A review of recent studies.** Radiat. Res. 172 (1), 1-9 (2009).

Akhtar, M.S.,Heidemann, M.,Tietjen, J.R.,Zhang, D.W.,Chapman, R.D.,Eick, D. & Ansari, A.Z.: **TFIIH kinase places bivalent marks on the carboxy-terminal domain of RNA polymerase II.** Mol. Cell 34 (3), 387-393 (2009).

Albert, A.,Sareedenchai, V.,Heller, W.,Seidlitz, H.K. & Zidorn, C.: **Temperature is the key to altitudinal variation of phenolics in *Arnica montana* L. cv. ARBO.** Oecologia 160 (1), 1-8 (2009).

- 
- Alessandrini, F. et al.: **Role of oxidative stress in ultrafine particle-induced exacerbation of allergic lung inflammation.** *Am. J. Respir. Crit. Care Med.* 179 (11), 984-991 (2009).
- Al-Jundi, J., Ulanovsky, A. & Pröhl, G.: **Doses of external exposure in Jordan house due to gamma-emitting natural radionuclides in building materials.** *J. Environ. Radioact.* 100 (10), 841-846 (2009).
- Allison, C.C., Kufer, T.A., Kremmer, E., Kaparakis, M. & Ferrero R.L.: **Helicobacter pylori induces MAPK phosphorylation and AP-1 activation via a NOD1-dependent mechanism.** *J. Immunol.* 183 (12), 8099-9109 (2009).
- Altmaier, E., Kastenmüller, G., Römisch-Margl, W., Thorand, B., Weinberger, K.M., Adamski, J., Illig, T., Döring, A. & Suhre, K.: **Variation in the human lipidome associated with coffee consumption as revealed by quantitative targeted metabolomics.** *Mol. Nutr. Food Res.* 53 (11), 1357-1365 (2009).
- Alves, C.C., Carneiro, F., Hoefler, H. & Becker, K.F.: **Role of the epithelial-mesenchymal transition regulator Slug in primary human cancers.** *Front. Biosci.* 14, 3041-3050 (2009).
- Amouyel, P. et al.: **Large scale association analysis of novel genetic loci for coronary artery disease.** *Arterioscler. Thromb. Vasc. Biol.* 29 (5), 774-780 (2009).
- Anastasov, N. et al.: **C/EBP{beta} expression in ALK+ anaplastic large cell lymphomas (ALCL) is required for cell proliferation and is induced by the STAT3 signaling pathway.** *Haematologica* 95 (5), 760-767 (2010) [published online 2009].
- Anastasov, N., Klier, M., Koch, I., Angermeier, D., Höfler, H., Fend, F. & Quintanilla-Martinez, L.: **Efficient shRNA delivery into B and T lymphoma cells using lentiviral vector-mediated transfer.** *J. Hematop.* 2 (1), 9-19 (2009).
- Anelli, V., Santoriello, C., Distel, M., Köster, R.W., Ciccarelli, F.D. & Mione, M.: **Global repression of cancer gene expression in a zebrafish model of melanoma is linked to epigenetic regulation.** *Zebrafish* 6 (4), 417-424 (2009).
- Antón, J., Peña, A., Santos, F., Martínez-García, M., Schmitt-Kopplin, P. & Rosselló-Mora, R.: **Distribution, abundance and diversity of the extremely halophilic bacterium Salinibacter ruber.** *Saline Systems* 4, 15 (2008).
- Antonov, A.V., Dietmann, S., Wong, P., Lutter, D. & Mewes, H.W.: **GeneSet2miRNA: finding the signature of cooperative miRNA activities in the gene lists.** *Nucleic Acids Res.* 37, W323-W328 (2009).
- Antonov, A.V., Dietmann, S., Wong, P., Igor, R. & Mewes, H.W.: **PLIPS, an automatically collected database of protein lists reported by proteomics studies.** *J. Proteome Res.* 8 (3), 1193-1197 (2009).
- Antonov, A.V., Dietmann, S., Rodchenkov, I. & Mewes, H.W.: **PPI spider: A tool for the interpretation of proteomics data in the context of protein-protein interaction networks.** *Proteomics* 9 (10), 2740-2749 (2009).
- Antonov, A.V., Dietmann, S., Wong, P. & Mewes, H.W.: **TICL - a web tool for network-based interpretation of compound lists inferred by high-throughput metabolomics.** *FEBS J.* 276 (7), 2084-2094 (2009).
- Antranikian, G., Ruepp, A., Gordon, P.M., Ballschmiter, M., Zibat, A., Stark, M., Sensen, C.W., Frishman, D., Liebl, W. & Klenk, H.P.: **Rapid access to genes of biotechnologically useful enzymes by partial genome sequencing: the thermoalkaliphile Anaerobranca gottschalkii.** *J. Mol. Microbiol. Biotechnol.* 16 (1-2), 81-90 (2009).

- 
- Apweiler, R. et al.: **Approaching clinical proteomics: Current state and future fields of application in cellular proteomics.** Clin. Chem. Lab. Med. 47 (6), 724-744 (2009).
- Arnold, R., Brandmaier, S., Kleine, F., Tischler, P., Heinz, E., Behrens, S., Niinikoski, A., Mewes, H.W., Horn, M. & Rattei, T.: **Sequence-based prediction of type III secreted proteins.** PLoS Pathog. 5 (4), e1000376 (2009).
- Arogunjo, A.M., Höllriegel, V., Giussani, A., Leopold, K., Gerstmann, U., Veronese, I. & Oeh, U.: **Uranium and thorium in soils, mineral sands, water and food samples in a tin mining area in Nigeria with elevated activity.** J. Environ. Radioact. 100 (3), 232-240 (2009).
- Aubele, M., Vidojkovic, S., Braselmann, H., Ritterswürden, D., Auer, G., Atkinson, M.J., Tapio, S., Höfler, H., Rauser, S. & Bartlett, J.M.: **Overexpression of PTK6 (breast tumor kinase) protein - a prognostic factor for long-term breast cancer survival - is not due to gene amplification.** Virchows Arch. 455 (2), 117-123 (2009).
- Aulchenko, Y.S. et al.: **Loci influencing lipid levels and coronary heart disease risk in 16 European population cohorts.** Nat. Genet. 41 (1), 47-55 (2009).
- Autenrieth, C., Schneider, A., Döring, A., Meisinger, C., Herder, C., Koenig, W., Huber, G. & Thorand, B.: **Association between different domains of physical activity and markers of inflammation.** Med. Sci. Sports Exerc. 41 (9), 1706-1713 (2009).
- Baban, A., Yediler, A., Avaz, G. & Schulte-Hostede, S.: **Biological and oxidative treatment of cotton textile dye-bath effluents by fixed and fluidized bed reactors.** Bioresource Technol. 101 (4), 1147-1152 (2010) [published online 2009].
- Babaryka, A., Kühn, E. & Köster, R.W.: **In vivo synthesis of meganuclease for generating transgenic zebrafish Danio rerio.** J. Fish Biol. 74 (2), 452-457 (2009).
- Bach, C. et al.: **Prion-induced activation of cholesterologenic gene expression by Srebp2 in neuronal cells.** J. Biol. Chem. 284 (45), 31260-31269 (2009).
- Backes, S., Sperling, K.M., Zwilling, J., Gasteiger, G., Ludwig, H., Kremmer, E., Schwantes, A., Staib, C. & Sutter, G.: **Viral host range factors C7 or K1 are essential for modified vaccinia virus Ankara late gene expression in human and murine cells, irrespective of their capacity to inhibit PKR-mediated eIF2{alpha} phosphorylation.** J. Gen. Virol. 91, 470-482 (2010) [published online 2009].
- Baeten, J., Haller, J., Shih, H. & Ntziachristos, V.: **In vivo investigation of breast cancer progression by use of an internal control.** Neoplasia 11 (3), 220-227 (2009).
- Baldini, F., Bolzoni, L., Giannetti, A., Keß, M., Krämer, P., Kremmer, E., Porro, G., Senesi, F. & Trono, C.: **A new procalcitonin optical immunosensor for POCT applications.** Anal. Bioanal. Chem. 393 (4), 1183-1190 (2009).
- Barnickel, T., Weston, J., Collobert, R., Mewes, H.W. & Stümpflen, V.: **Large scale application of neural network based semantic role labeling for automated relation extraction from biomedical texts.** PLoS ONE 4 (7), e6393 (2009).
- Bartholomäus, I. et al.: **Effector T cell interactions with meningeal vascular structures in nascent autoimmune CNS lesions.** Nature 462 (7269), 94-98 (2009).

- 
- Bartling, J., Kotzerke, A., Mai, M., Esperschütz, J., Buegger, F., Schloter, M. & Wilke, B.M.: **Microbial community structure and function during abnormal curve development of substrate-induced respiration measurements.** Chemosphere 77 (11), 1488-1494 (2009).
- Bastida, F., Perez-Mora, A., Babic, K., Hai, B., Hernandez, T., Garcia, C. & Schloter, M.: **Role of amendments on N cycling in Mediterranean abandoned semiarid soils.** Appl. Soil Ecol. 41 (2), 195-205 (2009).
- Bauer, R.D., Rolle, M., Bauer, S., Eberhardt, C., Grathwohl, P., Kolditz, O., Meckenstock, R.U. & Griebler, C.: **Enhanced biodegradation by hydraulic heterogeneities in petroleum hydrocarbon plumes.** J. Contam. Hydrol. 105 (1-2), 56-68 (2009).
- Bauer, R.D., Rolle, M., Kürzinger, P., Grathwohl, P., Meckenstock, R.U. & Griebler, C.: **Two-dimensional flow-through microcosms - Versatile test systems to study biodegradation processes in porous aquifers.** J. Hydrol. 369 (3-4), 284-295 (2009).
- Baumeister, S.: **Alkoholprävention in Erziehung und Unterricht.** Wiener Zeitschrift für Suchtforschung 30 (4), 47-48 (2007).
- Baumert, J., Erazo, N., Ruf, E. & Ladwig, K.H.: **Time trends in suicide mortality vary in choice of methods: an analysis of 145,865 fatal suicide cases in Germany 1991-2002.** Soc. Psychiatry Psychiatr. Epidemiol. 43, 913-919 (2008).
- Bazhin, A.V. et al.: **Cancer-retina antigens as potential paraneoplastic antigens in melanoma-associated retinopathy.** Int. J. Cancer 124 (1), 140-149 (2009).
- Beck, P., Bottolier, J.F., Reitz, G., Rühm, W. & Wissmann, F.: **Cosmic radiation and aircrew exposure.** Radiat. Prot. Dosimetry 136 (4), 231 (2009).
- Beck, J.A., Meisinger, C., Heier, M., Kuch, B., Hörmann, A., Greschik, C. & Koenig, W.: **Effect of blood glucose concentrations on admission in non-diabetic versus diabetic patients with first acute myocardial infarction on short- and long-term mortality (from the MONICA/KORA Augsburg Myocardial Infarction Registry).** Am. J. Cardiol. 104 (12), 1607-1612 (2009).
- Becker, K.F., Walch, A. & Ueffing, M.: **Protein analysis of tissues - current views and clinical perspectives.** Virchows Arch. 455 (2), 191-192 (2009).
- Beckers, J., Wurst, W. & Hrabé Angelis, M. de: **Towards better mouse models: enhanced genotypes, systemic phenotyping and envirotype modelling.** Nat. Rev. Genet. 10 (6), 371-380 (2009).
- Beck-Speier, I., Oswald, B., Maier, K.L., Karg, E. & Ramseger, R.: **Oxymetazoline inhibits and resolves inflammatory reactions in human neutrophils.** J. Pharmacol. Sci. 110 (11), 276-284 (2009).
- Beerten, K., Woda, C. & Vanhavere, F.: **Thermoluminescence dosimetry of electronic components from personal objects.** Radiat. Meas. 44 (5-6), 620-625 (2009).
- Behrens, R., Dietze, G. & Zankl, M.: **Dose conversion coefficients for electron exposure of the human eye lens.** Phys. Med. Biol. 54 (13), 4069-4087 (2009).
- Belis, C.A. et al.: **A comparison of Alpine emissions to forest soil and spruce needle loads for persistent organic pollutants (POPs).** Environ. Pollut. 157 (12), 3185-3191 (2009).
- Benjamin, E.J. et al.: **Variants in ZFX3 are associated with atrial fibrillation in individuals of European ancestry.** Nat. Genet. 41 (8), 879-81 (2009).

- 
- Bente, M., Sklorz, M., Streibel, T. & Zimmermann, R.: **Online laser desorption-multiphoton postionization mass spectrometry of individual aerosol particles: molecular source indicators for particles emitted from different traffic-related and wood combustion sources.** Anal. Chem. 80, 8991-9004 (2008).
- Bente, M., Sklorz, M., Streibel, T. & Zimmermann, R.: **Thermal desorption-multiphoton ionization time-of-flight mass spectrometry of individual aerosol particles: a simplified approach for online single-particle analysis of polycyclic aromatic hydrocarbons and their derivatives.** Anal. Chem. 81 (7), 2525-2536 (2009).
- Berestycki, H., Hamel, F. & Matano, H.: **Bistable travelling waves around an obstacle.** Commun. Pure Appl. Math. 62 (6), 729-788 (2009).
- Berglind, N. et al.: **Ambient air pollution and daily mortality among survivors of myocardial infarction.** Epidemiology 20 (1), 110-118 (2009).
- Betz, G.A., Gerstner, E., Olbrich, M., Winkler, J.B., Langebartels, C., Heller, W., Sandermann, H. & Ernst, D.: **Effects of abiotic stress on gene transcription in European beech: ozone affects ethylene biosynthesis in saplings of *Fagus sylvatica* L.** iForest 2, 114-118 (2009).
- Betz, G.A., Gerstner, E., Stich, S., Winkler, B., Welzl, G., Kremmer, E., Langebartels, C., Heller, W., Sandermann, H. & Ernst, D.: **Ozone affects shikimate pathway genes and secondary metabolites in saplings of European beech (*Fagus sylvatica* L.) grown under greenhouse conditions.** Trees 23 (3), 539-553 (2009).
- Betz, G.A., Knappe, C., Lapierre, C., Olbrich, M., Welzl, G., Langebartels, C., Heller, W., Sandermann, H. & Ernst, D.: **Ozone affects shikimate pathway transcripts and monomeric lignin composition in European beech (*Fagus sylvatica* L.).** Eur. J. For. Res. 128 (2), 109-116 (2009).
- Beyerle, A., Höbel, S., Czubayko, F., Schulz, H., Kissel, T., Aigner, A. & Stoeger, T.: **In vitro cytotoxic and immunomodulatory profiling of low molecular weight polyethylenimines for pulmonary application.** Toxicol. Vitro 23 (3), 500-508 (2009).
- Beyerle, A., Schulz, H., Kissel, T. & Stoeger, T.: **Screening strategy to avoid toxicological hazards of inhaled nanoparticles for drug delivery: The use of  $\alpha$ -quartz and nano zinc oxide particles as benchmark.** J. Phys.: Conf. Ser. 151, 012034 (2009).
- Bigalke, B., Stellos, K., Geisler, T., Kremmer, E., Seizer, P., May, A.E., Lindemann, S., Melms, A., Luft, A. & Gawaz, M.: **Expression of platelet glycoprotein VI is associated with transient ischemic attack and stroke.** Eur. J. Neurol. 17 (1), 111-117 (2009).
- Bigalke, B. et al.: **Influence of platelet count on the expression of platelet collagen receptor glycoprotein VI (GPVI) in patients with acute coronary syndrome.** Thromb. Haemost. 101 (5), 911-915 (2009).
- Bigalke, B. et al.: **Regulation of platelet glycoprotein VI (GPVI) surface expression and of soluble GPVI in patients with atrial fibrillation (AF) and acute coronary syndrome (ACS).** Basic Res. Cardiol. 104 (3), 352-357 (2009).
- Birmili, W. et al.: **Atmospheric aerosol measurements in the German Ultrafine Aerosol Network (GUAN).** Gefahrst. Reinhalt. Luft 69 (4), 137-145 (2009).

- 
- Blagodatski, A., Batrak, V., Schmidl, S., Schoetz, U., Caldwell, R.B., Arakawa, H. & Buerstedde, J.M.: **A cis-acting diversification activator both necessary and sufficient for AID-mediated hypermutation.** PLoS Genet. 5 (1), e1000332 (2009).
- Blandin, S.A., Wang-Sattler, R., Lamacchia, M., Gagneur, J., Lycett, G., Ning, Y., Levashina, E.A. & Steinmetz, L.M.: **Dissecting the genetic basis of resistance to malaria parasites in *Anopheles gambiae*.** Science 326 (5949), 147-150 (2009).
- Blöchl, F. & Theis, F.J.: **Estimating hidden influences in metabolic and gene regulatory networks.** Lecture Notes in Computer Science; Vol. 5441, Independent Component Analysis and Signal Separation, Adali T. et al. [Eds.], Berlin : Springer, 387-394 (2009).
- Body, S.C. et al.: **Variation in the 4q25 chromosomal locus predicts atrial fibrillation after coronary artery bypass graft surgery.** Circ. Cardiovasc. Genet. 2 (5), 499-506 (2009).
- Boeing, S., Rigault, C., Heidemann, M., Eick, D. & Meisterernst, M.: **RNA polymerase II C-terminal heptarepeat domain Ser-7 phosphorylation is established in a mediator-dependent fashion.** J. Biol. Chem. 285 (1), 188-196 (2010) [published online 2009].
- Boes, E., Coassin, S., Kollerits, B., Heid, I.M. & Kronenberg, F.: **Genetic-epidemiological evidence on genes associated with HDL cholesterol levels: a systematic in-depth review.** Exp. Gerontol. 44 (3), 136-160 (2009).
- Bogomolovas, J., Simon, B., Sattler, M. & Stier, G.: **Screening of fusion partners for high yield expression and purification of bioactive viscotoxins.** Protein Expr. Purif. 64 (1), 16-23 (2009).
- Böhme, M., Grallert, H., Klapper, M., Gieger, C., Fischer, A., Heid, I., Wichmann, H.E., Döring, F. & Illig, T.: **Association between functional FABP2 promoter haplotypes and body mass index: Analyses of 8072 participants of the KORA cohort study.** Mol. Nutr. Food Res. 53 (6), 681-685 (2009).
- Böhme, M., Grallert, H., Fischer, A., Gieger, C., Nitz, I., Heid, I., Kohl, C., Wichmann, H.E., Illig, T. & Döring, F.: **MTTP variants and body mass index, waist circumference and serum cholesterol level: Association analyses in 7582 participants of the KORA study cohort.** Mol. Genet. Metab. 95 (4), 229-232 (2008).
- Bornkamm, G.W.: **Epstein-Barr virus and the pathogenesis of Burkitt's lymphoma: more questions than answers.** Int. J. Cancer 124 (8), 1745-1755 (2009).
- Bosman, E.A., Quint, E., Fuchs, H., Hrabé Angelis, M. de & Steel, K.P.: **Catweasel mice: a novel role for Six1 in sensory patch development and a model for branchio-oto-renal syndrome.** Dev. Biol. 328 (2), 285-296 (2009).
- Bottollier-Depois, J.F. et al.: **Comparison of codes assessing galactic cosmic radiation exposure of aircraft crew.** Radiat. Prot. Dosim. 136 (4), 317-323 (2009).
- Bourquin, C. et al.: **Immunostimulatory RNA oligonucleotides induce an effective antitumoral NK cell response through the TLR7.** J. Immunol. 183 (10), 6078-6086 (2009).
- Bovee, T.F.H. et al.: **Inter-laboratory comparison of a yeast bioassay for the determination of estrogenic activity in biological samples.** Anal. Chim. Acta 637 (1-2), 265-272 (2009).

- 
- Boysen, L., Kempe, A., Liebscher, V., Munk, A. & Wittich, O.: **Consistencies and rates of convergence of jump-penalized least squares estimators.** *Ann. Stat.* 37 (1), 157-183 (2009).
- Brandt, D.T., Baarlink, C., Kitzing, T.M., Kremmer, E., Ivaska, J., Nollau, P. & Grosse, R.: **SCAI acts as a suppressor of cancer cell invasion through the transcriptional control of  $\beta$ 1-integrin.** *Nat. Cell Biol.* 11 (5), 557-568 (2009).
- Braroo, A., Wen, Y.Z., Collins, T.J., Lenoir, D. & Schramm, K.W.: **Fe-III-TAML-catalysed degradation of two azo textile dyes bound to silica gel and cellulose.** *Fresenius Environ. Bull.* 18 (4), 505-510 (2009).
- Braun, R.J., Kinkl, N., Zischka, H. & Ueffing, M.: **16-BAC/SDS-PAGE analysis of membrane proteins of yeast mitochondria purified by free flow electrophoresis.** *Methods Mol. Biol.* 528, 83-107 (2009).
- Breitling, L.P. et al.: **Association of nicotinic acetylcholine receptor subunit  $\alpha$ 4 polymorphisms with nicotine dependence in 5500 Germans.** *Pharmacogenomics J.* 9 (4), 219-224 (2009).
- Breitling, L.P., Dahmen, N., Mittelstrass, K., Illig, T., Rujescu, D., Raum, E., Winterer, G. & Brenner, H.: **Smoking cessation and variations in nicotinic acetylcholine receptor subunits  $\alpha$ -5,  $\alpha$ -3, and  $\beta$ -4 genes.** *Biol. Psychiatry* 65 (8), 691-695 (2009).
- Breitling, L.P., Dahmen, N., Illig, T., Rujescu, D., Nitz, B., Raum, E., Winterer, G., Rothenbacher, D. & Brenner, H.: **Variants in COMT and spontaneous smoking cessation: Retrospective cohort analysis of 925 cessation events.** *Pharmacogenet. Genomics* 19 (8), 657-659 (2009).
- Breitner, S., Stölzel, M., Cyrus, J., Pitz, M., Wölke, G., Kreyling, W., Küchenhoff, H., Heinrich, J., Wichmann, H.E. & Peters, A.: **Short-term mortality rates during a decade of improved air quality in Erfurt, Germany.** *Environ. Health Perspect.* 117 (3), 448-454 (2009).
- Breustedt, B. et al.: **Biokinetic modelling of DTPA decorporation therapy: the CONRAD approach.** *Radiat. Prot. Dosim.* 134 (1), 921-934 (2009).
- Brielmann, H., Griebler, C., Schmidt, S.I., Michel, R. & Lueders, T.: **Effects of thermal energy discharge on shallow groundwater ecosystems.** *FEMS Microbiol. Ecol.* 68 (3), 273-286 (2009).
- Brill, T.H. et al.: **Therapeutic vaccination with an IL-2-IFN $\gamma$ -secreting allogeneic tumor vaccine in patients with progressive castration-resistant prostate cancer - a phase I/II trial.** *Hum. Gene. Ther.* 20, 1-11 (2009).
- Brill, M.S. et al.: **Adult generation of glutamatergic olfactory bulb interneurons.** *Nat. Neurosci.* 12 (12), 1524-1533 (2009).
101. Brockow, I. et al.: **Early allergic sensitizations and their relevance to atopic diseases in children aged 6 years: Results of the GINI study.** *J. Invest. Allergol. Clin. Immunol.* 19 (3), 180-187 (2009).
- Broedl, U.C. et al.: **Low adiponectin levels are an independent predictor of mixed and non-calcified coronary atherosclerotic plaques.** *PLoS ONE* 4 (3), e4733 (2009).
- Brown, J. et al.: **Observational study on variability between biobanks in the estimation of DNA concentration.** *BMC. Res. Notes* 2, 208 (2009).
- Brown, S.D., Wurst, W., Kühn, R. & Hancock, J.M.: **The functional annotation of mammalian genomes: The challenge of phenotyping.** *Annu. Rev. Genet.* 43, 305-333 (2009).

- 
- Bruckmann, P., Birmili, W., Straub, W., Pitz, M., Gladtko, D., Pfeffer, U., Hebbinghaus, H., Wurzler, S. & Olschewski, A.: **An outbreak of Saharan dust causing high PM<sub>10</sub> levels north of the Alps.** *Gefahrst. Reinhalt. Luft* 68 (11-12), 490-498 (2008).
- Bruggmann, R. & Voigt, K.: **Analysis of partial orders in environmental systems applying the new software PyHasse.** *Simulation in Umwelt- und Geowissenschaften, Workshop Potsdam 2009, ASIM-Mitteilung AMB 121*, Wittmann, J.; Flechsig, M. [Eds.], Aachen : Shaker, 43-55 (2009).
- Brunner, C., Schegerer, A., Renger, B. & Hoeschen, C.: **Development and experimental implementation of new approaches to measure MTF and NPS.** *IFMBE Proceedings, Vol. 25/II, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany*, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 425-427 (2009).
- Brunner, H. & Stollenwerk, B.: **Standardmethoden der gesundheitsökonomischen Bewertung. Allgemeine Konzepte: Ökonomisches Prinzip, Wirtschaftlichkeitsprinzip, Rationalprinzip.** *Gesundheitsökonomie: Lehrbuch für Mediziner und andere Gesundheitsberufe; 2. Auflage 2009*, Lauterbach, K.W.; Stock, S.; Brunner, H. [Eds.], Bern : Verlag Hans Huber, Hogrefe AG, 279-349 (2009).
- Brüske-Hohlfeld, I., Preissler, G., Jauch, K.W., Pitz, M., Nowak, D., Peters, A. & Wichmann, H.E.: **Surgical smoke and ultrafine particles.** *J. Occup. Med. Toxicol.* 3, 31 (2008).
- Burdach, S. et al.: **Total body MRI-governed involved compartment irradiation combined with high-dose chemotherapy and stem cell rescue improves long-term survival in Ewing tumor patients with multiple primary bone metastases.** *Bone Marrow Transplant.* 45 (3), 483-489 (2010) [published online 2009].
- Burtscher, I. & Lickert, H.: **Foxa2 regulates polarity and epithelialization in the endoderm germ layer of the mouse embryo.** *Development* 136 (6), 1029-1038 (2009).
- Buschmann, H., Hauptmann, M., Niessing, D., Lloyd, C.W. & Schäffner, A.R.: **Helical growth of the Arabidopsis mutant tortifolia2 does not depend on cell division patterns but involves handed twisting of isolated cells.** *Plant Cell* 21 (7), 2090-2106 (2009).
- Butterfield, L.H. et al.: **A systematic approach to biomarker discovery; preamble to "the iSBTC-FDA taskforce on immunotherapy biomarkers".** *J. Transl. Med.* 6, 81 (2008).
- Cameron, L., Depner, M., Kormann, M., Klopp, N., Illig, T., Mutius, E. von & Kabesch, M.: **Genetic variation in CRTh2 influences development of allergic phenotypes.** *Allergy* 64 (10), 1478-1485 (2009).
- Campa, A. et al.: **DNA fragmentation induced in human fibroblasts by 56Fe ions: Experimental data and Monte Carlo simulations.** *Radiat. Res.* 171 (4), 438-445 (2009).
- Carbou, G., Efendiev, M.A. & Fabrie, P.: **Relaxed model for the hysteresis in micromagnetism.** *Proc. R. Soc. Edinb. Sect. A - Math.* 139, 759-773 (2009).
- Castell, W. zu, Filbir, F. & Xu, Y.: **Cesàro means of Jacobi expansions on the parabolic biangle.** *J. Approx. Theory* 159 (2), 167-179 (2009).
- Castro-Giner, F. et al.: **Joint effect of obesity and TNFA variability on asthma: two international cohort studies.** *Eur. Respir. J.* 33 (5), 1003-1009 (2009).

- 
- Castro-Giner, F. et al.: **Traffic-related air pollution, oxidative stress genes, and asthma (ECHRS)**. *Environ. Health Perspect.* 117 (12), 1919-1924 (2009).
- Cerveri, I. et al.: **What defines airflow obstruction in asthma?** *Eur. Respir. J.* 34 (3), 568-573 (2009).
- Charnock, T.W. et al.: **Calculating the consequences of recovery, a European model for inhabited areas**. *Radioprotection* 44 (5), 407-412 (2009).
- Chauvin, C. & Lardjane, S.: **Decision making and strategies in an interaction situation: Collision avoidance at sea**. *Transp. Res. Part F Traffic Psychol. Behav.* 11, 259-269 (2008).
- Chen, C.M. & Heinrich, J.: **Re:Exposure to furry pets and the risk of asthma and allergic rhinitis: a meta-analysis**. *Allergy* 64 (3), 494-495 (2009).
- Chen, C.M. et al.: **Common variants in FCER1A influence total serum IgE levels from cord blood up to six years of life**. *Allergy* 64 (9), 1327-1332 (2009).
- Chió, A. et al.: **A two-stage genome-wide association study of sporadic amyotrophic lateral sclerosis**. *Hum. Mol. Genet.* 18 (8), 1524-1532 (2009).
- Chowdhury, S.P., Schmid, M., Hartmann, A. & Tripathi, A.K.: **Diversity of 16S-rRNA and nifH genes derived from rhizosphere soil and roots of an endemic drought tolerant grass, *Lasiurus indicus***. *Eur. J. Soil Biol.* 45 (1), 114-122 (2009).
- Chronakova, A., Radl, V., Cuhel, J., Simek, M., Elhottova, D., Engel, M. & Schloter, M.: **Overwintering management on upland pasture causes shifts in an abundance of denitrifying microbial communities, their activity and N2O-reducing ability**. *Soil Biol. Biochem.* 41 (6), 1132-1138 (2009).
- Clarke, N., Fuksová, K., Gryndler, M., Lachmanová, Z., Liste, H.H., Rohlenová, J., Schroll, R., Schröder, P. & Matucha, M.: **The formation and fate of chlorinated organic substances in temperate and boreal forest soils**. *Environ. Sci. Pollut. Res.* 16 (2), 127-143 (2009).
- Clement, C.: **Adult reference computational phantoms**. *Annals of the ICRP*, Publication 110, sonstige beteiligte Personen: Zankl, M.; Petoussi-Henss, N. et al., Amsterdam : Elsevier, 165 (2009).
- Clerici, M., Mourao, A., Gutsche, I., Gehring, N.H., Hentze, M.W., Kulozik, A., Kadlec, J., Sattler, M. & Cusack, S.: **Unusual bipartite mode of interaction between the nonsense-mediated decay factors, UPF1 and UPF2**. *EMBO J.* 28 (15), 2293-2306 (2009).
- Cochrane, S. et al.: **Factors influencing the incidence and prevalence of food allergy**. *Allergy* 64 (9), 1246-1255 (2009).
- Çok, I., Donmez, M.K., Uner, M., Demirkaya, E., Henkelmann, B., Shen, H., Kotalik, J. & Schramm, K.W.: **Polychlorinated dibenzo-p-dioxins, dibenzofurans and polychlorinated biphenyls levels in human breast milk from different regions of Turkey**. *Chemosphere* 76 (11), 1563-1571 (2009).
- Collini, P., Sorensen, P.H.B., Patel, S., Blay, J.Y., Issels, R.D., Maki, R.G., Eriksson, M. & del Muro, X.G.: **Sarcomas with spindle cell morphology**. *Semin. Oncol.* 36 (4), 324-337 (2009).
- Coolen, M. & Bally-Cuif, L.: **MicroRNAs in brain development and physiology**. *Curr. Opin. Neurobiol.* 19 (5), 461-470 (2009).

- 
- Corsini, L., Hothorn, M., Stier, G., Rybin, V., Scheffzek, K., Gibson, T.J. & Sattler, M.: **Dimerization and protein binding specificity of the U2AF homology motif of the splicing factor Puf60.** J. Biol. Chem. 284 (1), 630-639 (2009).
- Costa, M.R., Bucholz, O., Schroeder, T. & Götz, M.: **Late origin of glia-restricted progenitors in the developing mouse cerebral cortex.** Cereb. Cortex 19, i35-i143 (2009).
- Croft, N.P. et al.: **Stage-specific inhibition of MHC Class I presentation by the Epstein-Barr virus BNLF2a protein during virus lytic cycle.** PLoS Pathog. 5 (6), e1000490 (2009).
- Csanady, G.: **Introduction to the statistical analysis of experimental data.** Toxicology and Risk Assessment: A Comprehensive Introduction, Greim, H.; Snyder, R.; [Eds.], New York : John Wiley & Sons., 449-477 (2008).
- Cyrus, J., Peters, A. & Wichmann, H.E.: **Umweltzone München - Eine erste Bilanz.** Umweltmed. Forsch. Prax. 14 (3), 127-132 (2009).
- Dannenmann, M. et al.: **Tree girdling provides insight on the role of labile carbon in nitrogen partitioning between soil microorganisms and adult European beech.** Soil Biol. Biochem. 41 (8), 1246-1260 (2009).
- Dehghan, A. et al.: **Association of novel genetic Loci with circulating fibrinogen levels: a genome-wide association study in 6 population-based cohorts.** Circ. Cardiovasc. Genet. 2 (1), 125-133 (2009).
- Deliolanis, N.C., Dunham, J., Wurdinger, T., Figueiredo, J.L., Bakhos, T. & Ntziachristos, V.: **In-vivo imaging of murine tumors using complete-angle projection fluorescence molecular tomography.** J. Biomed. Opt. 14 (3), 030509 (2009).
- dem Knesebeck, O. von, Bauer, U., Geyer, S. & Mielck, A.: **Social inequality in health care - a plea for systematic research.** Gesundheitswesen 71 (2), 59-62 (2009).
- dem Knesebeck, O. von & Mielck, A.: **Soziale Ungleichheit und gesundheitliche Versorgung im höheren Lebensalter.** Z. Gerontol. Geriatr. 42 (1), 39-46 (2009).
- DeMarco, J.J., McNitt-Gray, M.F., Cagnon, C.H., Angel, E., Agazaryan, N. & Zankl, M.: **Evaluation of patient dose using a virtual CT scanner: Applications to 4DCT simulation and Kilovoltage cone-beam imaging.** J. Phys.: Conf. Ser. 102, 012006 (2008).
- Demaret, L., Eberl, H.J., Efendiev, M.A. & Maloszewski, P.: **A simple bioclogging model that accounts for spatial spreading of bacteria.** Seventh Mississippi State - UAB Conference on Differential Equations and Computational Simulations, Electronic Journal of Differential Equations, Conf. 17, San Marcos : Texas State University, 51-69 (2009).
- Demaret, L., Eberl, H., Efendiev, M. & Lasser, R.: **Analysis and simulation of a meso-scale model of diffusive resistance of bacterial biofilms to penetration of antibiotics.** Advances in mathematical sciences and applications (AMSA) 18 (1), 269-304 (2008).
- Demaret, L., Iske, A. & Khachabi, W.: **Contextual image compression from adaptive sparse data representations.** Workshop Proceedings Signal Processing with Adaptive Sparse Structured Representations, Saint-Malo (France), April 2009. inria-00369491, version 1, (2009).
- Deplazes, J., Fuchs, M., Rauser, S., Genth, H., Lengyel, E., Busch, R. & Luber, B.: **Rac1 and Rho contribute to the migratory and invasive phenotype associated with somatic E-cadherin mutation.** Hum. Mol. Genet. 18 (19), 3632-3644 (2009).

- 
- Deshpande, A.J., Ahmed, F. & Buske, C.: **Identification of murine and human acute myeloid leukemia stem cells.** Methods in Molecular Biology, Vol. 568, Cancer Stem Cells: Methods and Protocols, John S.Y. (Ed.), Heidelberg : Springer, 21-35 (2009).
- Deshpande, A., Pastore, A., Deshpande, A.J., Zimmermann, Y., Hutter, G., Weinkauff, M., Buske, C., Hiddemann, W. & Dreyling, M.: **3'UTR mediated regulation of the cyclin D1 proto-oncogene.** Cell Cycle 8 (21), 3592-3600 (2009).
- Detert, H., Lenoir, D. & Zipse, H.: **Thermal rearrangements of perchlorohexatrienes-structures and experimental and theoretical evaluation of pathways to isomerization and cyclization.** Eur. J. Org. Chem. 8, 1181-1190 (2009).
- Dharmage, S.C., Erbas, B., Jarvis, D., Wjst, M., Raheison, C., Norbäck, D., Heinrich, J., Sunyer, J. & Svanes, C.: **Do childhood respiratory infections continue to influence adult respiratory morbidity?** Eur. Respir. J. 33 (2), 237-244 (2009).
- Di Benedetto, B., Kallnik, M., Weisenhorn, D.M.V., Falls, W.A., Wurst, W. & Hölter, S.M.: **Activation of ERK/MAPK in the lateral amygdala of the mouse is required for acquisition of a fear-potentiated startle response.** Neuropsychopharmacology 34 (2), 356-366 (2009).
- Di Lullo, G., Soprana, E., Panigada, M., Palini, A., Erfle, V., Staib, C., Sutter, G. & Siccardi, A.G.: **Marker gene swapping facilitates recombinant Modified Vaccinia Virus Ankara production by host-range selection.** J. Virol. Methods 156 (1-2), 37-43 (2009).
- Dickie, R., Cormack, M., Semmler-Behnke, M., Kreyling, W.G. & Tsuda, A.: **Deep pulmonary lymphatics in immature lungs.** J. Appl. Physiol. 107 (3), 859-863 (2009).
- Diehl, D., Hessel, E., Oesterle, D., Renner-Müller, I., Elmlinger, M., Langhammer, M., Göttlicher, M., Wolf, E., Lahm, H. & Hoeflich, A.: **IGFBP-2 overexpression reduces the appearance of dysplastic aberrant crypt foci and inhibits growth of adenomas in chemically induced colorectal carcinogenesis.** Int. J. Cancer 124 (9), 2220-2225 (2009).
- Dietmann, S., Georgii, E., Antonov, A., Tsuda, K. & Mewes, H.W.: **The DICS repository: Module-assisted analysis of disease-related gene lists.** Bioinformatics 25 (6), 830-831 (2009).
- Disis, M.L., Bernhard, H. & Jaffee, E.M.: **Use of tumour-responsive T cells as cancer treatment.** Lancet 373 (9664), 673-683 (2009).
- Distel, M., Wullimann, M.F. & Köster, R.W.: **Optimized Gal4 genetics for permanent gene expression mapping in zebrafish.** Proc. Natl. Acad. Sci. U.S.A. 106 (32), 13365-13370 (2009).
- Djafarzadeh, R., Milani, V., Rieth, N., Lüttichau, I. von, Skrablin, P.S., Hofstetter, M., Nößner, E. & Nelson, P.J.: **TIMP-1-GPI in combination with hyperthermic treatment of melanoma increases sensitivity to FAS-mediated apoptosis.** Cancer Immunol. Immunother. 58 (3), 361-371 (2009).
- Donaire, L., Wang, Y., Gonzalez-Ibeas, D., Mayer, K.F., Aranda, M.A. & Llave, C.: **Deep-sequencing of plant viral small RNAs reveals effective and widespread targeting of viral genomes.** Virology 392 (2), 203-214 (2009).
- Dormann, D. et al.: **Proteolytic processing of TAR DNA binding protein-43 by caspases produces C-terminal fragments with disease defining properties independent of progranulin.** J. Neurochem. 110 (3), 1082-1084 (2009).

- 
- Dratva, J. et al.: **Is age at menopause increasing across Europe? Results on age at menopause and determinants from two population-based studies.** *Menopause* 16 (2), 385-394 (2009).
- Düwel, M., Welteke, V., Oeckinghaus, A., Baens, M., Kloo, B., Ferch, U., Darnay, B.G., Ruland, J., Marynen, P. & Krappmann, D.: **A20 negatively regulates T cell receptor signaling to NF-kappaB by cleaving Malt1 ubiquitin chains.** *J. Immunol.* 182 (12), 7718-7728 (2009).
- Ebelt, K., Babaryka, G., Frankenberger, B., Stief, C.G., Eisenmenger, W., Kirchner, T., Schendel, D.J. & Nößner, E.: **Prostate cancer lesions are surrounded by FOXP3+, PD-1+ and B7-H1+ lymphocyte clusters.** *Eur. J. Cancer* 45 (9), 1664-1672 (2009).
- Eberl, H.J., Khassehkan, H. & Demaret, L.: **A mixed-culture model of a probiotic biofilm control system.** *Comput. Math. Methods Med.* 11 (2), 99-118 (2010) [published online 2009].
- Eck, S.H., Benet-Pages, A., Flisikowski, K., Meitinger, T., Fries, R. & Strom, T.M.: **Whole genome sequencing of a single Bos taurus animal for single nucleotide polymorphism discovery.** *Genome Biol.* 10 (8), R82 (2009).
- Eder, C., Frankenberger, M., Stanzel, F., Seidel, A., Schramm, K.W., Ziegler-Heitbrock, L. & Hofer, T.P.: **Ultrafine carbon particles down-regulate CYP1B1 expression in human monocytes.** *Part. Fibre Toxicol.* 6, 27 (2009).
- Eder-Debye, R., Mielck, A. & Schunk, M.: **Münchner Modell der Frühen Hilfe für psychosozial hochbelastete Familien - Evaluation und neue Formen der Kooperation.** *Gerechtigkeit schafft mehr Gesundheit für alle. Dokumentation 14. bundesweiter Kongress Armut und Gesundheit, Berlin 2008, Berlin : Gesundheit Berlin, 1-6 (2008).*
- Efendiev, M.: **Fredholm structures, topological invariants and applications.** *Differential Equations & Dynamical Systems, Vol. 3, 213 S. (2009).*
- Efendiev, M. & Müller, J.: **Classification of existence and non-existence of running fronts in case of fast diffusion.** *Advances in mathematical sciences and applications (AMSA)* 19 (1), 285-293 (2009).
- Efendiev, M. & Wendland, W.L.: **Nonlinear Riemann-Hilbert problems for generalized analytic functions.** *Funct. Approx. Comment. Math.* 40 (2), 185-208 (2009).
- Efendiev, M. & Zelik, S.: **Finite-dimensional attractors and exponential attractors for degenerate doubly nonlinear equations.** *Math. Meth. Appl. Sci.* 32 (13), 1638-1668 (2009).
- Efendiev, M., Zelik, S. & Eberl, H.J.: **Existence and longtime behavior of a biofilm model.** *Commun. Pur. Appl. Anal.* 8 (2), 509-531 (2009).
- Efremidis, A.T., Deliolanis, N.C., Manolikas, C. & Vanidhis, E.D.: **Dispersion of electro-optic coefficients in sillenite crystals.** *Appl. Phys. B - Lasers Opt.* 95 (3), 467-473 (2009).
- Eidemüller, M., Holmberg, E., Jacob, P., Lundell, M. & Karlsson, P.: **Breast cancer risk among Swedish hemangioma patients and possible consequences of radiation-induced genomic instability.** *Mutat. Res.* 669 (1-2), 48-55 (2009).

- 
- Eidemüller, M. & Jacob, P.: **Krebsentstehungsmodell mit strahleninduzierter genomischer Instabilität: Anwendung auf zwei epidemiologische Kohorten.** Veröffentlichungen der Strahlenschutzkommission, Biologische Wirkungen niedriger Dosen ionisierender Strahlung, Klausurtagung der Strahlenschutzkommission am 08./09. November 2007; Band 63, Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit [.
- Eilken, H.M., Nishikawa, S.I. & Schroeder, T.: **Continuous single-cell imaging of blood generation from haemogenic endothelium.** Nature 457 (7231), 896-900 (2009).
- Einsiedl, F.: **Effect of NO<sub>2</sub>(-) on stable isotope fractionation during bacterial sulfate reduction.** Environ. Sci. Technol. 43 (1), 82-87 (2009).
- Einsiedl, F., Maloszewski, P. & Stichler, W.: **Multiple isotope approach to the determination of the natural attenuation potential of a high-alpine karst system.** J. Hydrol. 365 (1-2), 113-121 (2009).
- Ejogod, D., Sørensen, K.D., Mossbrugger, I., Quintanilla-Martinez, L., Schmidt, J. & Pedersen, F.S.: **Control of pathogenicity and disease specificity of a T-lymphomagenic gammaretrovirus by E-box motifs but not by an overlapping glucocorticoid response element.** J. Virol. 83 (1), 336-346 (2009).
- Ekelund, E. et al.: **Lack of association between neuropeptide S receptor 1 gene (NPSR1) and eczema in five European populations.** Acta Derm.-Venereol. 89 (2), 115-121 (2009).
- Elsner, L. et al.: **The endogenous danger signals HSP70 and MICA cooperate in the activation of cytotoxic effector functions of NK cells.** J. Cell. Mol. Med. , DOI:10.1111/j.1582-4934.2008.00677.x (2009).
- Elstner, M., Andreoli, C., Klopstock, T., Meitinger, T. & Prokisch, H.: **The mitochondrial proteome database: MitoP2.** Meth. Enzymol. 457, 3-20 (2009).
- Elstner, M. et al.: **Single-cell expression profiling of dopaminergic neurons combined with association analysis identifies pyridoxal kinase as Parkinson's disease gene.** Ann. Neurol. 66 (6), 792-798 (2009).
- Enard, W. et al.: **A humanized version of Foxp2 affects cortico-basal ganglia circuits in mice.** Cell 137 (5), 961-971 (2009).
- Engelbrecht, R., Hildebrand, C. & Demski, H.: **Communication and mobility: Using standards for continuity of care.** Travel Health Informatics and Telehealth, Proceedings EFMI STC 2009, Mihalas, G. et al. [Eds.], Timisoara : Victor Babes, 117-122 (2009).
- Engert, S., Liao, W.P., Burtscher, I. & Lickert, H.: **Sox17-2A-iCre: A knock-in mouse line expressing Cre recombinase in endoderm and vascular endothelial cells.** Genesis 47 (9), 603-610 (2009).
- Erb, W. & Filbir, F.: **Approximation by positive definite functions on compact groups.** Numer. Funct. Anal. Optim. 29 (9-10), 1082-1107 (2008).
- Erdmann, J. et al.: **New susceptibility locus for coronary artery disease on chromosome 3q22.3.** Nat. Genet. 41 (3), 280-282 (2009).
- Erkan, M., Reiser-Erkan, C., Michalski, C.W., Deucker, S., Sauliunaite, D., Streit, S., Esposito, I., Friess, H. & Kleeff, J.: **Cancer-stellate cell interactions perpetuate the hypoxia-fibrosis cycle in pancreatic ductal adenocarcinoma.** Neoplasia 11 (5), 497-508 (2009).

- 
- Ernst, D., Rosenbrock-Krestel, H., Kirchhof, G., Bieber, E., Giunaschwili, N., Müller, R., Fischbeck, G., Wagner, T., Sandermann, H. & Hartmann, A.: **Molecular investigations of the soil, rhizosphere and transgenic glufosinate-resistant rape and maize plants in combination with herbicide (Basta) application under field conditions.** *Z.Naturforsch.(C)* 63 (11-12), 864-872 (2008).
- Esparza-Gordillo, J. et al.: **A common variant on chromosome 11q13 is associated with atopic dermatitis.** *Nat. Genet.* 41 (5), 596-601 (2009).
- Esperschütz, J., Buegger, F., Winkler, J.B., Munch, J.C., Schloter, M. & Gattinger, A.: **Microbial response to exudates in the rhizosphere of young beech trees (*Fagus sylvatica* L.) after dormancy.** *Soil Biol. Biochem.* 41 (9), 1976-1985 (2009).
- Esperschütz, J., Gattinger, A., Buegger, F., Lang, H., Munch, J.C., Schloter, M. & Winkler, J.B.: **A continuous labelling approach to recover photosynthetically fixed carbon in plant tissue and rhizosphere organisms of young beech trees (*Fagus sylvatica* L.) using <sup>13</sup>C depleted CO<sub>2</sub>.** *Plant Soil* 323 (1-2), 21-29 (2009).
- Esperschütz, J., Pritsch, K., Gattinger, A., Welzl, G., Haesler, F., Buegger, F., Winkler, J.B., Munch, J.C. & Schloter, M.: **Influence of chronic ozone stress on carbon translocation pattern into rhizosphere microbial communities of beech trees (*Fagus sylvatica* L.) during a growing season.** *Plant Soil* 323 (1-2), 85-95 (2009).
- Everett, K.L. et al.: **Characterization of phospholipase C gamma enzymes with gain-of-function mutations.** *J. Biol. Chem.* 284 (34), 23083-23093 (2009).
- Eyerich, K., Pennino, D., Scarponi, C., Foerster, S., Nasorri, F., Behrendt, H., Ring, J., Traidl-Hoffmann, C., Albanesi, C. & Cavani, A.: **IL-17 in atopic eczema: linking allergen-specific adaptive and microbial-triggered innate immune response.** *J. Allergy Clin. Immunol.* 123 (1), 59-66.e4 (2009).
- Fahimian, B.P., DeMarco, J.J., Keyes, R., Bassler, N., Iwamoto, K.S., Zankl, M. & Holzscheiter, M.H.: **Antiproton radiotherapy: peripheral dose from secondary neutrons.** *Hyperfine Interactions* 194 (1-3), 313-318 (2009).
- Fakler, M., Loeder, S., Vogler, M., Schneider, K., Jeremias, I., Debatin, K.M. & Fulda, S.: **Small molecule XIAP inhibitors cooperate with TRAIL to induce apoptosis in childhood acute leukemia cells and overcome Bcl-2-mediated resistance.** *Blood* 113 (8), 1710-1722 (2009).
- Faumont, N. et al.: **c-Myc and Rel/NF- $\kappa$ B are the two master transcriptional systems activated in the latency III program of Epstein-Barr virus-immortalized B cells.** *J. Virol.* 83 (10), 5014-5027 (2009).
- Favor, J., Bradley, A., Conte, N., Janik, D., Pretsch, W., Reitmeir, P., Rosemann, M., Schmahl, W., Wienberg, J. & Zaus, I.: **Analysis of Pax6 contiguous gene deletions in the mouse, *Mus musculus*, identifies regions distinct from Pax6 responsible for extreme small-eye and belly-spotting phenotypes.** *Genetics* 182 (4), 1077-1088 (2009).
- Favory, J.J. et al.: **Interaction of COP1 and UVR8 regulates UV-B-induced photomorphogenesis and stress acclimation in *Arabidopsis*.** *EMBO J.* 28 (5), 591-601 (2009).
- Feil, R., Hölter, S.M., Weindl, K., Wurst, W., Langmesser, S., Gerling, A., Feil, S. & Albrecht, U.: **cGMP-dependent protein kinase I, the circadian clock, sleep and learning.** *Commun. Integr. Biol.* 2 (4), 298-301 (2009).

- 
- Fenske, N., Fahrmeir, L., Rzehak, P. & Höhle, M.: **Detection of risk factors for obesity in early childhood with quantile regression methods for longitudinal data.** Technical Reports, Nr. 38, Department für Statistik, Ludwig-Maximilians-Universität München, München : Ludwig-Maximilians-Universität, 1-18 (2008).
- Ferch, U., Kloo, B., Gewies, A., Pfänder, V., Düwel, M., Peschel, C., Krappmann, D. & Ruland, J.: **Inhibition of MALT1 protease activity is selectively toxic for activated B cell-like diffuse large B cell lymphoma cells.** *J. Exp. Med.* 206 (11), 2313-2320 (2009).
- Fernández-Santiago, R. et al.: **Identification of novel Angiogenin (ANG) gene missense variants in German patients with amyotrophic lateral sclerosis.** *J. Neurol.* 256 (8), 1337-1342 (2009).
- Fiedler, S., Buegger, F., Klaubert, B., Zipp, K., Dohrmann, R., Witteyer, M., Zarei, M. & Graw, M.: **Adipocere withstands 1600 years of fluctuating groundwater levels in soil.** *J. Archaeol. Sci.* 36 (7), 1328-1333 (2009).
- Field, R.W., Jenkins, P.H., Steck, D. & Tschiersch, J.: **Radon measurements.** WHO handbook on indoor radon: a public health perspective, Zeeb, H.; Shannoun, F. [Eds.], Genf : World Health Organization, 21-40 (2009).
- Filbir, F., Mhaskar, H.N. & Prestin, J.: **On a filter for exponentially localized kernels based on Jacobi polynomials.** *J. Approx. Theory* 160 (1-2), 256-280 (2009).
- Filser, J.G.: **Toxicokinetics.** Toxicology and Risk Assessment: A Comprehensive Introduction, Greim, H.; Snyder, R.; [Eds.], New York : John Wiley & Sons, 19-49 (2008).
- Fischer, A., Grallert, H., Böhme, M., Gieger, C., Boomgaarden, I., Heid, I., Wichmann, H.E., Döring, F. & Illig, T.: **Association analysis between the prostaglandin E synthase 2 R298H polymorphism and body mass index in 8079 participants of the KORA study cohort.** *Genet. Test. Mol. Biomark.* 13 (2), 223-226 (2009).
- Flach, B., Steer, B., Thakur, N.N., Haas, J. & Adler, H.: **The M10 locus of murine gammaherpesvirus 68 contributes to both the lytic and the latent phases of infection.** *J. Virol.* 83 (16), 8163-8172 (2009).
- Flavin, R. et al.: **RET/PTC rearrangement occurring in primary peritoneal carcinoma.** *Int. J. Surg. Pathol.* 17 (3), 187-197 (2009).
- Fleischmann, F., Winkler, J.B. & Oßwald, W.: **Effects of ozone and *Phytophthora citricola* on non-structural carbohydrates of European beech (*Fagus sylvatica*) saplings.** *Plant Soil* 323 (1-2), 75-84 (2009).
- Flinn, L., Mortiboys, H., Volkmann, K., Köster, R.W., Ingham, P.W. & Bandmann, O.: **Complex I deficiency and dopaminergic neuronal cell loss in parkin-deficient zebrafish (*Danio rerio*).** *Brain* 132, 1613-1623 (2009).
- Folberth, C., Scherb, H., Suhadolc, M., Munch, J.C. & Schroll, R.: **In situ mass distribution quotient (IMDQ) - a new factor to compare bioavailability of chemicals in soils?** *Chemosphere* 75 (6), 707-713 (2009).
- Folberth, C., Suhadolc, M., Scherb, H., Munch, J.C. & Schroll, R.: **Batch experiments versus soil pore water extraction—what makes the difference in isotopuron (bio-)availability?** *Chemosphere* 77 (6), 756-763 (2009).
- Forster, B. & Massopust, P.: **Multivariate complex B-splines, Dirichlet averages, and difference operators.** Proceedings of SampTA 2009, Forster, B.; Massopust, P. [Eds.], Marseille : , (2009).
- Forster, B. & Massopust, P.: **Statistical encounters with complex B-splines.** *Constr. Approx.* 29 (3), 325-344 (2009).

- 
- Fox, A.A. et al.: **Natriuretic peptide system gene variants are associated with ventricular dysfunction after coronary artery bypass grafting.** *Anesthesiology* 110 (4), 738-747 (2009).
- Frankenberger, M. et al.: **Inhaled all-trans retinoic acid in an individual with severe emphysema.** *Eur. Respir. J.* 34 (6), 1487-1489 (2009).
- Freilinger, T., Bevan, S., Ripke, S., Gschwendtner, A., Lichtner, P., Müller-Myhsok, B., Wichmann, H.E., Markus, H.S., Meitinger, T. & Dichgans, M.: **Genetic variation in the lymphotoxin-alpha pathway and the risk of ischemic stroke in European populations.** *Stroke* 40 (3), 970-972 (2009).
- Frenzel, L.P., Abdullah, Z., Kriegeskorte, A.K., Dieterich, R., Lange, N., Busch, D.H., Krönke, M., Utermöhlen, O., Hescheler, J. & Sarić, T.: **Role of natural-killer group 2 member D ligands and intercellular adhesion molecule 1 in natural killer cell-mediated lysis of murine embryonic stem cells and embryonic stem cell-derived cardiomyocytes.** *Stem Cells* 27 (2), 307-316 (2009).
- Friberg, A., Corsini, L., Mourao, A. & Sattler, M.: **Structure and ligand binding of the extended Tudor domain of D. melanogaster Tudor-SN.** *J. Mol. Biol.* 387 (4), 921-934 (2009).
- Fritsche, L.G., Freitag-Wolf, S., Bettecken, T., Meitinger, T., Keilhauer, C.N., Krawczak, M. & Weber, B.H.F.: **Age-related macular degeneration and functional promoter and coding variants of the apolipoprotein E gene.** *Hum. Mutat.* 30 (7), 1048-1053 (2009).
- Fritsche, P., Seidler, B., Schüler, S., Schnieke, A., Göttlicher, M., Schmid, R.M., Saur, D. & Schneider, G.: **HDAC2 mediates therapeutic resistance of pancreatic cancer cells via the BH3-only protein NOXA.** *Gut* 58 (10), 1399-1409 (2009).
- Fritz, E., Fekete, A., Lintelmann, J., Schmitt-Kopplin, P. & Meckenstock, R.U.: **Isolation of two Pseudomonas strains producing pseudomonic acid A.** *Syst. Appl. Microbiol.* 32 (1), 56-64 (2009).
- Fritzmann, J., Morkel, M., Besser, D., Budczies, J., Kosel, F., Brembeck, F.H., Stein, U., Fichtner, I., Schlag, P.M. & Birchmeier, W.: **A colorectal cancer expression profile that includes transforming growth factor {beta} inhibitor BAMBI predicts metastatic potential.** *Gastroenterology* 137 (1), 165-175 (2009).
- Fuchs, H. et al.: **The German Mouse Clinic: a platform for systemic phenotype analysis of mouse models.** *Curr. Pharm. Biotechnol.* 10 (2), 236-243 (2009).
- Fuchs, J., Mueller, J.C., Lichtner, P., Schulte, C., Munz, M., Berg, D., Wüllner, U., Illig, T., Sharma, M. & Gasser, T.: **The transcription factor PITX3 is associated with sporadic Parkinson's disease.** *Neurobiol. Aging* 30 (5), 731-738 (2009).
- Fuka, M.M., Engel, M., Hagn, A., Munch, J.C., Sommer, M. & Schlöter, M.: **Changes of diversity pattern of proteolytic bacteria over time and space in an agricultural soil.** *Microb. Ecol.* 57 (3), 391-401 (2009).
- Gailus-Durner, V. et al.: **Systemic first-line phenotyping.** *Methods in Molecular Biology*; Vol. 530, Gene knockout protocols., Kühn, R.; Wurst, W. [Eds.], Clifton, N.J. : Humana Press, 463-509 (2009).
- Galluzzi, L., Morselli, E., Kepp, O., Vitale, I., Rigoni, A., Vacchelli, E., Michaud, M., Zischka, H., Castedo, M. & Kroemer, G.: **Mitochondrial gateways to cancer.** *Mol. Aspects Med.* 31 (1), 1-20 (2010) [published online 2009].

- 
- Ganesh, S.K. et al.: **Multiple loci influence erythrocyte phenotypes in the CHARGE Consortium.** Nat. Genet. 41 (11), 1191-1198 (2009).
- Ganguly, K. et al.: **Superoxide dismutase 3, extracellular (SOD3) variants and lung function.** Physiol. Genomics 37 (3), 260-267 (2009).
- Ganguly, K., Upadhyay, S., Irmler, M., Takenaka, S., Pukelsheim, K., Becker, J., Hamelmann, E., Schulz, H. & Stoeger, T.: **Pathway focused protein profiling indicates differential function for IL-1B,-18 and VEGF during initiation and resolution of lung inflammation evoked by carbon nanoparticle exposure in mice.** Part. Fibre Toxicol. 6 (1), 31 (2009).
- Gapp, O.: **Betriebswirtschaftliche Forschungsbeiträge zum Management in gesetzlichen Krankenkassen - ein Überblick.** ZVersWiss 98, 165-186 (2009).
- Garland, R.M. et al.: **Aerosol optical properties observed during Campaign of Air Quality Research in Beijing 2006 (CAREBeijing-2006): Characteristic differences between the inflow and outflow of Beijing city air.** J. Geophys. Res. 114, D00G04 (2009).
- Garny, S., Leuthold, G., Mares, V., Paretzke, H.G. & Rühm, W.: **GEANT4 transport calculations for neutrons and photons below 15 MeV.** IEEE Trans. Nucl. Sci. 56 (4), 2392-2396 (2009).
- Garny, S., Mares, V. & Rühm, W.: **Response functions of a Bonner sphere spectrometer calculated with GEANT4.** Nucl. Instrum. Methods Phys. Res. A 604 (3), 612-617 (2009).
- Garny, S., Rühm, W., Wagner, F.M. & Paretzke, H.G.: **Neutron therapy at the FRMII - calculation of dose inside a voxel phantom.** IFMBE Proceedings, Vol. 25/I, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 437-440 (2009).
- Gaspar, A., Kunenkov, E.V., Lock, R., Desor, M., Perminova, I. & Schmitt-Kopplin, P.: **Combined utilization of ion mobility and ultra-high-resolution mass spectrometry to identify multiply charged constituents in natural organic matter.** Rapid Commun. Mass Spectrom. 23 (5), 683-688 (2009).
- Gayler, S., Klier, C., Mueller, C.W., Weis, W., Winkler, J.B. & Priesack, E.: **Analysing the role of soil properties, initial biomass and ozone on observed plant growth variability in a lysimeter study.** Plant Soil 323 (1-2), 125-141 (2009).
- Geiger, C., Nössner, E., Frankenberger, B., Falk, C.S., Pohla, H. & Schendel, D.J.: **Harnessing innate and adaptive immunity for adoptive cell therapy of renal cell carcinoma.** J. Mol. Med. 87 (6), 595-612 (2009).
- Geißler, R., Saraji-Bozorgzad, M., Streibel, T., Kaisersberger, E., Denner, T. & Zimmermann, R.: **Investigation of different crude oils applying thermal analysis/mass spectrometry with soft photoionisation.** J. Therm. Anal. Calorim. 96 (3), 813-820 (2009).
- Georgii, E., Dietmann, S., Uno, T., Pagel, P. & Tsuda, K.: **Enumeration of condition-dependent dense modules in protein interaction networks.** Bioinformatics 25 (7), 933-940 (2009).
- Gessler, A. et al.: **Within-canopy and ozone fumigation effects on  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  in adult beech (*Fagus sylvatica*) trees: Relation to meteorological and gas exchange parameters.** Tree Physiol. 29 (11), 1349-1365 (2009).

- 
- Getenga, Z., Dörfler, U., Iwobi, A., Schmid, M. & Schroll, R.: **Atrazine and terbuthylazine mineralization by an *Arthrobacter* sp. isolated from a sugarcane-cultivated soil in Kenya.** Chemosphere 77 (4), 534-539 (2009).
- Getenga, Z.M., Dörfler, U. & Schroll, R.: **Laboratory degradation studies of <sup>14</sup>C-atrazine and -isoproturon in soil from sugarcane cultivated fields under Kenyan tropical conditions.** Bull. Environ. Contam. Toxicol. 82 (6), 678-682 (2009).
- Getenga, Z.M., Dörfler, U. & Schroll, R.: **Study of atrazine degradation in soil from Kenyan sugarcane-cultivated fields in controlled laboratory conditions.** Toxicol. Environ. Chem. 91 (2), 195-207 (2009).
- Ghezzi, D. et al.: **SDHAF1, encoding a LYR complex-II specific assembly factor, is mutated in SDH-defective infantile leukoencephalopathy.** Nat. Genet. 41 (6), 654-656 (2009).
- Gidakos, E., Petrantonaki, M., Anastasiadou, K. & Schramm, K.W.: **Characterization and hazard evaluation of bottom ash produced from incinerated hospital waste.** J. Hazard. Mater. 172 (2-3), 935-942 (2009).
- Gilbert, M., Pors, Y., Grover, K., Weingart, I., Skotnica, J., Grimm, B., Seidlitz, H.K., Langebartels, C. & Wilhelm, C.: **Intra- and interspecific differences of 10 barley and 10 tomato cultivars in response to short-time UV-B radiation: A study analysing thermoluminescence, fluorescence, gas-exchange and biochemical parameters.** Environ. Pollut. 157 (5), 1603-1612 (2009).
- Glaubitx, S., Lüders, T., Abraham, W.R., Jost, G., Jürgens, K. & Labrenz, M.: **<sup>13</sup>C-isotope analyses reveal that chemolithoautotrophic Gamma- and Epsilonproteobacteria feed a microbial food web in a pelagic redoxcline of the central Baltic Sea.** Environ. Microbiol. 11 (2), 326-337 (2009).
- Gloeckner, C.J., Boldt, K. & Ueffing, M.: **Strep/FLAG tandem affinity purification (SF-TAP) to study protein interactions.** Curr. Protoc. Protein. Sci Chapter 19, Unit 19.20 (2009).
- Gloeckner, C.J., Boldt, K., Schumacher, A. & Ueffing, M.: **Tandem affinity purification of protein complexes from mammalian cells by the Strep/FLAG (SF)-TAP tag.** Methods in Molecular Biology, Vol. 564, Proteomics, Part 8, New York : Humana Press, 359-372 (2009).
- Gloeckner, C.J., Schumacher, A., Boldt, K. & Ueffing, M.: **The Parkinson disease-associated protein kinase LRRK2 exhibits MAPKKK activity and phosphorylates MKK3/6 and MKK4/7, in vitro.** J. Neurochem. 109 (4), 959-968 (2009).
- Gómez-Ros, J.M. et al.: **International comparison on Monte Carlo modelling for in vivo measurement of Americium in a knee phantom.** CONRAD Work Package 4, Proceedings of the international Workshop on "Uncertainty Assessment in Computational Dosimetry: A Comparison of Approaches"; Bologna, Italy, Oct 8-10, 2007, Gualdrini, G.; Ferrari, P. [Eds.], 1-9 (2008).
- Götschi, T. et al.: **Air pollution and lung function in the European Community Respiratory Health Survey.** Int. J. Epidemiol. 37 (6), 1349-1358 (2008).
- Götz, M., Albert, A., Stich, S., Heller, W., Scherb, H., Krins, A., Langebartels, C., Seidlitz, H.K. & Ernst, D.: **PAR modulation of the UV-dependent levels of flavonoid metabolites in *Arabidopsis thaliana* (L.) Heynh. leaf rosettes: Cumulative effects after a whole vegetative growth period.** Protoplasma, DOI:10.1007/s00709-009-0064-5 (2009).
- Gougeon, R.D. et al.: **Expressing forest origins in the chemical composition of cooperage oak woods and corresponding wines by using FTICR-MS.** Chemistry 15 (3), 600-611 (2009).

- 
- Gougeon, R.D. et al.: **The chemodiversity of wines can reveal a metabo-geography expression of cooperage oak wood.** Proc. Natl. Acad. Sci. U.S.A. 106 (23), 9174-9179 (2009).
- Gouzy, M.F., Keß, M. & Krämer, P.M.: **A SPR-based immunosensor for the detection of isoproturon.** Biosens. Bioelectron. 24 (6), 1563-1568 (2009).
- Graebisch, A., Roche, S. & Niessing, D.: **X-ray structure of pur-alpha reveals a whirly-like fold and an unusual nucleic-acid binding surface.** Proc. Natl. Acad. Sci. U.S.A. 106 (44), 18521-18526 (2009).
- Graw, J.: **Genetics of crystallins: cataract and beyond.** Exp. Eye Res. 88 (2), 173-189 (2009).
- Graw, J.: **Mouse models of cataract.** J. Genet. 88 (4), 469-486 (2009).
- Graw, J., Schmidt, W., Minogue, P.J., Rodriguez, J., Tong, J.J., Klopp, N., Illig, T., Ebihara, L., Berthoud, V.M. & Beyer, E.C.: **The GJA8 allele encoding CX50I247M is a rare polymorphism, not a cataract-causing mutation.** Mol. Vis. 15 (200), 1881-1885 (2009).
- Greiter, M.B., Regulla, D. & Hoeschen, C.: **Applicability of imaging plates for individual monitoring.** IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 371-374 (2009).
- Greve, B. et al.: **Multicentric investigation of ionising radiation-induced cell death as a predictive parameter of individual radiosensitivity.** Apoptosis 14 (2), 226-235 (2009).
- Greven, S., Crainiceanu, C.M., Küchenhoff, H. & Peters, A.: **Restricted likelihood ratio testing for zero variance components in linear mixed models.** J. Comput. Graph. Stat. 17 (4), 870-891 (2008).
- Griebler, C.: **Ecological assessment of groundwater ecosystems.** Biodiversity of surface waters, floodplains and groundwater, October 29./30. 2008, Bonn, Germany, Berlin : Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU), 35 (2009).
- Griebler, C., Stein, H., Hahn, H.J., Steube, C., Fuchs, A., Kellermann, C. & Richter S.: **Concept for the development of an ecological assessment scheme for groundwater ecosystems.** HydroEco 2009; 2nd International Multidisciplinary Conference on Hydrology and Ecology: Ecosystems Interfacing with Groundwater and Surface Water; 20-23 April 2009, Vienna, Austria, Bruthans et al. [Eds.], 249-252 (2009).
- Griebler, C., Brielmann, H., Lueders, T. & Schmidt, S.I.: **Sustainable energy production from geothermal sources and possible effects to groundwater ecosystems.** SILnews 55, 17-18 (2009).
- Griebler, C. & Lueders, T.: **Microbial biodiversity in groundwater ecosystems.** Freshw. Biol. 54 (4), 649-677 (2009).
- Griebler, C. & Schmidt, S.I.: **Groundwater ecosystem functioning and assessment of the ecological status.** SILnews 54, 16-17 (2009).
- Grimshaw, K.E. et al.: **Infant feeding and allergy prevention: a review of current knowledge and recommendations. A EuroPrevall state of the art paper.** Allergy 64 (10), 1407-1416 (2009).
- Groneberg, D. et al.: **Gesundheitliche Effekte der Feinstaubbelastung - aktueller wissenschaftlicher Kenntnisstand.** Pneumologie 63 (7), 363-368 (2009).

- 
- Gross, H., Barth, S., Palermo, R.D., Mamiani, A., Hennard, C., Zimmer-Strobl, U., West, M.J., Kremmer, E. & Grässer, F.A.: **Asymmetric Arginine dimethylation of Epstein-Barr virus nuclear antigen 2 promotes DNA targeting.** *Virology* 397 (2), 299-310 (2010) [published online 2009].
- Grosse, S.D., Rogowski, W.H., Friedman Ross, L., Cornel, M.C., Dondorp, W. & Khoury, M.J.: **Population screening for genetic disorders in the 21st century: evidence, economics, and ethics.** *Public Health Genomics* 13 (2), 106-15 (2010) [published online 2009].
- Gruber, P., Gutch, H.W. & Theis, F.J.: **Hierarchical extraction of independent subspaces of unknown dimensions.** *Lecture Notes in Computer Science*; Vol. 5441, *Independent Component Analysis and Signal Separation*, Adali T. et al. [Eds.], Heidelberg / Berlin : Springer Verlag, 259-266 (2009).
- Gruber, P., Meyer-Bäse, A., Theis, F.J., Foo, S. & Theis, F.J.: **ICA, kernel methods and nonnegativity: New paradigms for dynamical component analysis of fMRI data.** *Eng. Appl. Artif. Intell.* 22 (4-5), 497-504 (2009).
- Grzmił, P. et al.: **Targeted disruption of the mouse Npal3 gene leads to deficits in behavior, increased IgE levels, and impaired lung function.** *Cytogenet. Genome Res.* 125 (3), 186-200 (2009).
- Gschwendtner, A. et al.: **Sequence variants on chromosome 9p21.3 confer risk for atherosclerotic stroke.** *Ann. Neurol.* 65 (5), 531-539 (2009).
- Gualdrini, G. et al.: **Summary report of the CONRAD-WP4-computational dosimetry EU action (2005-2007).** *Strengthening Radiation Protection Worldwide, IRPA 12 - 12th International Congress of the International Radiation Protection Association*; 19-24 October 2008; Buenos Aires, 1-9 (2008).
- Gudbjartsson, D.F. et al.: **Sequence variants affecting eosinophil numbers associate with asthma and myocardial infarction.** *Nat. Genet.* 41 (3), 342-347 (2009).
- Gudbjartsson, D.F. et al.: **A sequence variant in ZFX3 on 16q22 associates with atrial fibrillation and ischemic stroke.** *Nat. Genet.* 41 (8), 876-878 (2009).
- Guo, Y.M., Jia, Y.P., Pan, X.C., Liu, L.Q. & Wichmann, H.E.: **The association between fine particulate air pollution and hospital emergency room visits for cardiovascular diseases in Beijing, China.** *Sci. Total Environ.* 407 (17), 4826-4830 (2009).
- Haas, J.D., Gonzalez, F.H.M., Schmitz, S., Chennupati, V., Fohse, L., Kremmer, E., Forster, R. & Prinz, I.: **CCR6 and NK1.1 distinguish between IL-17A and IFN- $\gamma$ -producing  $\gamma\delta$  effector T cells.** *Eur. J. Immunol.* 39 (12), 3488-3497 (2009).
- Häberle, K.H., Nunn, A.J., Reiter, I.M., Werner, H., Heller, W., Bahnweg, G., Gayler, S., Lütz, C. & Matyssek, R.: **Variation of defence-related metabolites in the foliage of adult beech and spruce: a conceptual approach to approximating traded-off carbon.** *Eur. J. For. Res.* 128 (2), 99-108 (2009).
- Haberthür, D., Semmler-Behnke, M., Takenaka, S., Kreyling, W.G., Stampanoni, M., Tsuda, A. & Schittny, J.C.: **Multimodal imaging for the detection of sub-micron particles in the gas-exchange region of the mammalian lung.** *J. Phys.: Conf. Ser.* 186, 012040 (2009).

- 
- Hackenberg, M., Sturm, M., Langenberger, D., Falcón-Pérez, J.M. & Aransay, A.M.: **miRanalyzer: A microRNA detection and analysis tool for next-generation sequencing experiments.** *Nucleic Acids Res.* 37 (Web Server issue), W68-W76 (2009).
- Hadian, K., Vincendeau, M., Mäusbacher, N., Nagel, D., Hauck, S.M., Ueffing, M., Loyter, A., Werner, T., Wolff, H. & Brack-Werner, R.: **Identification of a heterogeneous nuclear ribonucleoprotein-recognition region in the HIV Rev protein.** *J. Biol. Chem.* 284 (48), 33384-33391 (2009).
- Hadid, L., Desbrée, A., Schlattl, H., Franck, D., Blanchardon, E. & Zankl, M.: **Application of the new ICRP reference phantoms to internal dosimetry: calculation of specific absorbed fractions of energy for photons and electrons.** *IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany,* Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 178-180 (2009).
- Hagen, D.E., Lobo, P., Whitefield, P.D., Trueblood, M.B., Alofs, D.J. & Schmid, O.: **Performance evaluation of a fast mobility-based particle spectrometer for aircraft exhaust.** *J. Propul. Power* 25 (3), 628-634 (2009).
- Hahn, V., Halle, M., Schmidt-Trucksäss, A., Rathmann, W., Meisinger, C. & Mielck, A.: **Physical activity and the metabolic syndrome in elderly German men and women: results from the population-based KORA survey.** *Diabetes Care* 32 (3), 511-513 (2009).
- Hahn, C.N., Matiasek, K., Dixon, P.M., Molony, V., Rodenacker, K. & Mayhew, I.G.: **Histological and ultrastructural evidence that recurrent laryngeal neuropathy is a bilateral mononeuropathy limited to recurrent laryngeal nerves.** *Equine Vet. J.* 40 (7), 666-672 (2008).
- Hai, B., Diallo, N.H., Sall, S., Haesler, F., Schauss, K., Bonzi, M., Assigbetse, K., Chotte, J.L., Munch, J.C. & Schloter, M.: **Quantification of key genes steering the microbial nitrogen cycle in the rhizosphere of sorghum cultivars in tropical agroecosystems.** *Appl. Environ. Microbiol.* 75 (15), 4993-5000 (2009).
- Halbach, S.: **Amalgam - Zahnmedizin zwischen Toxikologie und Toxikophobie.** *Zahnmedizin Update* 3 (5), 471-490 (2009).
- Hallin, S., Jones, C.M., Schloter, M. & Philippot, L.: **Relationship between N-cycling communities and ecosystem functioning in a 50-year-old fertilization experiment.** *ISME J.* 3 (5), 597-605 (2009).
- Hallmayer, J. et al.: **Narcolepsy is strongly associated with the T-cell receptor alpha locus.** *Nat. Genet.* 41 (6), 708-711 (2009).
- Hammer, G.P., Seidenbusch, M.C., Schneider, K., Regulla, D.F., Zeeb, H., Spix, C. & Blettner, M.: **A cohort study of childhood cancer incidence after postnatal diagnostic X-ray exposure.** *Radiat. Res.* 171 (4), 504-512 (2009).
- Hamonts, K., Kuhn, T., Maesen, M., Bronders, J., Lookman, R., Kalka, H., Diels, L., Meckenstock, R.U., Springael, D. & Dejonghe, W.: **Factors determining the attenuation of chlorinated aliphatic hydrocarbons in eutrophic river sediment impacted by discharging polluted groundwater.** *Environ. Sci. Technol.* 43 (14), 5270-5275 (2009).
- Han, Y., Eppinger, E., Schuster, I.G., Weigand, L.U., Liang, X., Kremmer, E., Peschel, C. & Krackhardt, A.M.: **Formin-like 1 (FMNL1) is regulated by N-terminal myristoylation and induces polarized membrane blebbing.** *J. Biol. Chem.* 284 (48), 33409-33417 (2009).

- 
- Hanley, L. & Zimmermann, R.: **Light and molecular ions: the emergence of vacuum UV single-photon ionization in MS.** Anal. Chem. 81 (11), 4174-4182 (2009).
- Hänninen, O.,Brüske-Hohlfeld, I.,Loh, M.,Stoeger, T.,Kreyling, W.,Schmid, O. & Peters, A.: **Estimation of health risks and safety margins due to inhalation of ultrafine particles and nanoparticles in selected occupational, consumer and environmental settings.** J. Phys.: Conf. Ser. 170 (1), 012031 (2009).
- Hänninen, O.,Brüske-Hohlfeld, I.,Loh, M.,Stoeger, T.,Kreyling, W.,Schmid, O. & Peters, A.: **Occupational and consumer risk estimates for nanoparticles emitted by laser printers.** J. Nanopart. Res. 12 (1), 91-99 (2010) [published online 2009].
- Hänninen, O.O.,Salonen, R.O.,Koistinen, K.,Lanki, T.,Barregard, L. & Jantunen, M.: **Population exposure to fine particles and estimated excess mortality in Finland from an East European wildfire episode.** J. Expo. Sci. Environ. Epidemiol. 19 (4), 414-422 (2009).
- Hao, P.,Zheng, S.,Ping, J.,Tu, K.,Gieger, C.,Wang-Sattler, R.,Zhong, Y. & Li, Y.: **Human gene expression sensitivity according to large scale meta-analysis.** BMC Bioinformatics 10 (6), S56 (2009).
- Happich, M.,Moock, J. & Lengerke, T. von: **Health state valuation methods and reference points: the case of tinnitus.** Value Health 12 (1), 88-95 (2009).
- Harold, D. et al.: **Genome-wide association study identifies variants at CLU and PICALM associated with Alzheimer's disease.** Nat. Genet. 41 (10), 1088-1093 (2009).
- Hartmann, A. & Bashan, Y.: **Ecology and application of Azospirillum and other plant growth-promoting bacteria (PGPB).** Eur. J. Soil Biol. 45 (1), 1-2 (2009).
- Hartmann, A.,Schmid, M.,van Tuinen, D. & Berg, G.: **Plant-driven selection of microbes.** Plant Soil 321 (1-2), 235-257 (2009).
- Hartog, J.J. de et al.: **Associations between PM2.5 and heart rate variability are modified by particle composition and beta-blocker use in patients with coronary heart disease.** Environ. Health Perspect. 117 (1), 105-111 (2009).
- Hartz, S. & John, J.: **Public health policy decisions on medical innovations: What role can early economic evaluation play?** Health Policy 89 (2), 184-192 (2009).
- Haslinger, A.,Schwarz, T.J.,Covic, M. & Lie, D.C.: **Expression of Sox11 in adult neurogenic niches suggests a stage-specific role in adult neurogenesis.** Eur. J. Neurosci. 29 (11), 2103-2114 (2009).
- Hatvani, L.,Tookos, F. & Tusnady, G.: **A mutation-selection-recombination model in population genetics.** Dyn. Syst. Appl. 18 (2), 335-361 (2009).
- Hauck, S.M. & Ueffing, M.: **Müller cell-derived neurotrophic factors. A road to neuroprotective therapy in the retina.** Arch. Soc. Esp. Ophthalmol. 84 (9), 423-425 (2009).
- Haucke, F.,Holle, R. & Wichmann, H.E.: **Epidemiologische Erforschung und ökonomische Bewertung gesundheitlicher Umweltrisiken.** Bundesgesundheitsbl. 52 (12), 1166-1178 (2009).
- Haucke, F. & Raible, C.: **Risikomanagement im Krankenhaus. Empirische Ergebnisse der Evaluation eines umfassenden Risikomanagementansatzes.** Das Krankenhaus 5, 432-438 (2009).

- 
- Hauner, H., Kohlmann, T., Landgraf, W., Holle, R., Pirk, O. & Scholten, T.: **Costs of antihyperglycemic treatment and consumables and treatment satisfaction in patients with type 2 diabetes: results of a cross-sectional cost evaluation study of long-acting Insulin glargine compared with NPH insulin in Germany (LIVE-DE).** Dtsch. Med. Wochenschr. 134 (23), 1207-1213 (2009).
- Haussuehl, K., Huesgen, P.F., Meier, M., Dessi, P., Glaser, E., Adamski, J. & Adamska, I.: **Eukaryotic GCP1 is a conserved mitochondrial protein required for progression of embryo development beyond the globular stage in Arabidopsis thaliana.** Biochem. J. 423 (3), 333-341 (2009).
- Heid, I.M. et al.: **Meta-analysis of the INSIG2 association with obesity including 74,345 individuals: Does heterogeneity of estimates relate to study design?** PLoS Genet. 5 (10), e1000694 (2009).
- Heidenreich, W.F. & Cullings, H.M.: **Use of the individual data of the a-bomb survivors for biologically based cancer models.** Radiat. Environ. Biophys. 49 (1), 39-46 (2010) [published online 2009].
- Heier, M., Moebus, S., Meisinger, C., Jöckel, K.H., Völzke, H., Döring, A. & Alte, D.: **Menopausal hormone therapy in Germany. Results of three national surveys from 1997 to 2003.** Maturitas 62 (1), 9-15 (2009).
- Heinisch, E., Kettrup, A., Bergheim, W. & Wenzel, S.: **Persistent chlorinated hydrocarbons (PCHCS), source-oriented monitoring in aquatic media 7. Releases from sediments following building activities in Berlin.** Fresenius Environ. Bull. 18 (6), 1396-1406 (2009).
- Hemminki, K. et al.: **Low risk variants FGFR2, TNRC9 and LSP1 in German familial breast cancer patients.** Int. J. Cancer 126 (12), 2858-2862 (2010) [published online 2009].
- Hempel, M., Rivera Brugués, N., Wagenstaller, J., Lederer, G., Weitensteiner, A., Seidel, H., Meitinger, T. & Strom, T.M.: **Microdeletion syndrome 16p11.2-p12.2: clinical and molecular characterization.** Am. J. Med. Genet. A 149A (10), 2106-2112 (2009).
- Henke, G., Lindner, L.H., Vogeser, M., Eibl, H.J., Worner, J., Müller, A.C., Bamberg, M., Wachholz, K., Belka, C. & Jendrossek, V.: **Pharmacokinetics and biodistribution of Erufosine in nude mice - implications for combination with radiotherapy.** Radiat. Oncol. 4, 46 (2009).
- Herberth, G. et al.: **Relation between stressful life events, neuropeptides and cytokines: results from the LISA birth cohort study.** Pediatr. Allergy Immunol. 19 (8), 722-729 (2008).
- Herder, C., Koenig, W. & Thorand, B.: **Chemokine als Risikofaktoren des Typ 2 Diabetes - Ergebnisse aus der MONICA/KORA-Studie.** Spitzenforschung in der Diabetologie : Innovationen und Auszeichnungen 2009, Verse-Herrmann, A. [Ed.], Lampertheim : Alpha-Informationsges, 18-25 (2008).
- Herder, C. et al.: **Subclinical inflammation and diabetic polyneuropathy.** Diabetes Care 32 (4), 680-682 (2009).
- Herder, C. et al.: **Variants of the PPARG, IGF2BP2, CDKAL1, HHEX, and TCF7L2 genes confer risk of type 2 diabetes independently of BMI in the German KORA studies.** Horm. Metab. Res. 40 (10), 722-26 (2008).
- Herder, C., Zierer, A., Koenig, W., Roden, M., Meisinger, C. & Thorand, B.: **Transforming growth factor- $\beta$ 1 and incident type 2 diabetes: Results from the MONICA/KORA case-cohort study, 1984-2002.** Diabetes Care 32 (10), 1921-1923 (2009).

- 
- Herrmann, K., Walch, A., Balluff, B., Tänzer, M., Höfler, H., Krause, B.J., Schwaiger, M., Friess, H., Schmid, R.M. & Ebert, M.P.: **Proteomic and metabolic prediction of response to therapy in gastrointestinal cancers.** *Nat. Clin. Pract. Gastroenterol. Hepatol.* 6 (3), 170-183 (2009).
- Hertle, M.L., Popp, C., Petermann, S., Maier, S., Kremmer, E., Lang, R., Mages, J. & Kempkes, B.: **Differential gene expression patterns of EBV infected EBNA-3A positive and negative human B lymphocytes.** *PLoS Pathog.* 5 (7), e1000506 (2009).
- Herzog, E., Byrne, H.J., Casey, A., Davoren, M., Lenz, A.G., Maier, K.L., Duschl, A. & Oostingh, G.J.: **SWCNT suppress inflammatory mediator responses in human lung epithelium in vitro.** *Toxicol. Appl. Pharmacol.* 234 (3), 378-390 (2009).
- Hesselsoe, M., Füreder, S., Schloter, M., Bodrossy, L., Iversen, N., Roslev, P., Nielsen, P.H., Wagner, M. & Loy, A.: **Isotope array analysis of Rhodocyclales uncovers functional redundancy and versatility in an activated sludge.** *ISME J.* 3 (12), 1349-1364 (2009).
- Heyder, J. et al.: **Long-term responses of canine lungs to acidic particles.** *Inhal. Toxicol.* 21 (11), 920-932 (2009).
- Hicks, A.A. et al.: **Genetic determinants of circulating sphingolipid concentrations in European populations.** *PLoS Genet.* 5 (10), e1000672 (2009).
- Hildebrandt, K. et al.: **Short-term effects of air pollution: a panel study of blood markers in patients with chronic pulmonary disease.** *Part. Fibre Toxicol.* 6, 25 (2009).
- Hipp, S., Walch, A., Schuster, T., Losko, S., Laux, H., Bolton, T., Höfler, H. & Becker, K.F.: **Activation of epidermal growth factor receptor results in snail protein but not mRNA over-expression in endometrial cancer.** *J. Cell. Mol. Med.* 13 (9B), 3858-3867 (2009).
- Hitz, C., Steuber-Buchberger, P., Delic, S., Wurst, W. & Kühn, R.: **Generation of shRNA transgenic mice.** *Gene knockout protocols.* 530, 101-129 (2009).
- Hoeschen, C., Regulla, D., Zankl, M., Schlattl, H. & Brix, G.: **Radiation exposure and protection in Multislice CT.** *Medical Radiology - Diagnostic Imaging and Radiation Oncology, Multislice CT, Reiser, M.F. et al. [Eds.], Berlin : Springer, 53-63 (2009).*
- Hoeschen, C., Schlattl, H., Zankl, M., Seggebrock, T., Clemente, L. & Grüner, F.: **Simulating mammographic absorption imaging and its radiation protection properties.** *IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 355-358 (2009).*
- Holle, R., Gräßel, E., Ruckdäschel, S., Wunder, S., Mehlig, H., Marx, P., Pirk, O., Butzlaff, M., Kunz, S. & Lauterberg, J.: **Dementia care initiative in primary practice: study protocol of a cluster randomized trial on dementia management in a general practice setting.** *BMC Health Serv. Res.* 9, 91 (2009).
- Holm, L.E. et al.: **Environmental protection: The concept and use of reference animals and plant.** *Annals of the ICRP, ICRP Publication 108, Clement, C.H. [Ed.], Oxford, UK : Elsevier, 330 S. (2009).*
- Hölter, S.M. & Cryan, J.F.: **Phenotyping of behavioral characteristics.** *Encyclopedia of Psychopharmacology, Stolerman, I.P. [Ed.], Berlin / Heidelberg : Springer Verlag, (2010).*

- 
- Holtgreffe, S., Gohlke, J., Starmann, J., Druce, S., Klocke, S., Altmann, B., Wojtera, J., Lindermayr, C. & Scheibe, R.: **Regulation of plant cytosolic glyceraldehyde 3-phosphate dehydrogenase isoforms by thiol modifications.** *Physiol. Plant.* 133, 211-228 (2008).
- Horsch, M., Recktenwald, C.V., Schädler, S., Hrabé Angelis, M. de, Seliger, B. & Beckers, J.: **Overexpressed vs mutated Kras in murine fibroblasts: a molecular phenotyping study.** *Br. J. Cancer* 100 (4), 656-662 (2009).
- Horst, D., van Leeuwen, D., Croft, N.P., Garstka, M.A., Hislop, A.D., Kremmer, E., Rickinson, A.B., Wiertz, E.J. & Rensing, M.E.: **Specific targeting of the EBV lytic phase protein BNLF2a to the transporter associated with antigen processing results in impairment of HLA class I-restricted antigen presentation.** *J. Immunol.* 182 (4), 2313-2324 (2009).
- Hösel, M. et al.: **Not interferon, but interleukin-6 controls early gene expression in hepatitis B virus infection.** *Hepatology* 50 (6), 1773-1782 (2009).
- Huber, C., Bartha, B., Harpaintner, R. & Schröder, P.: **Metabolism of acetaminophen (paracetamol) in plants - two independent pathways result in the formation of a glutathione and a glucose conjugate.** *Environ. Sci. Pollut. Res.* 16 (2), 206-213 (2009).
- Huckfeldt, R.M., Schubert, T., Morgan, J.L., Godinho, L., Cristo, G., Huang, Z.J. & Wong, R.O.: **Transient neurites of retinal horizontal cells exhibit columnar tiling via homotypic interactions.** *Nat. Neurosci.* 12 (1), 35-43 (2009).
- Hult, M., Ortsäter, H., Schuster, G., Graedler, F., Beckers, J., Adamski, J., Ploner, A., Jörnvall, H., Bergsten, P. & Oppermann, U.: **Short-term glucocorticoid treatment increases insulin secretion in islets derived from lean mice through multiple pathways and mechanisms.** *Mol. Cell. Endocrinol.* 301 (1-2), 109-116 (2009).
- Hung, R.J. et al.: **International Lung Cancer Consortium: pooled analysis of sequence variants in DNA repair and cell cycle pathways.** *Cancer. Epidemiol. Biomarkers Prev.* 17 (11), 3081-3089 (2008).
- Hunkeler, D., van Breukelen, B.M. & Elsner, M.: **Modelling chlorine isotope trends during sequential transformation of chlorinated ethenes.** *Environ. Sci. Technol.* 43 (17), 6750-6756 (2009).
- Huster, K.M., Stemberger, C., Gasteiger, G., Kastenmüller, W., Drexler, I. & Busch, D.H.: **Cutting edge: Memory CD8 T cell compartment grows in size with immunological experience but nevertheless can lose function.** *J. Immunol.* 183 (11), 6898-6902 (2009).
- Huth, C. et al.: **Joint analysis of individual participants' data from 17 studies on the association of the IL6 variant -174GC with circulating glucose levels, interleukin-6 levels, and body mass index.** *Ann. Med.* 41 (2), 128-138 (2009).
- Hutzler, C. & Filser, J.G.: **In-vitro-Untersuchungen zur Bioverfügbarkeit von an Dieselpartikeln gebundenen polyaromatischen Kohlenwasserstoffen und Nitropyrenen.** *FAT-Schriftenreihe, Vol. 218, FAT, Forschungsvereinigung Automobiltechnik e.V. [Ed.], Frankfurt a.M. : VDA Verband der Automobilindustrie, 39 S. (2008).*
- Hyde, D., Kleine, R. de, MacLaurin, S.A., Miller, E., Brooks, D.H., Krucker, T. & Ntzachristos, V.: **Hybrid FMT-CT imaging of amyloid-beta plaques in a murine Alzheimer's disease model.** *Neuroimage* 44 (4), 1304-1311 (2009).
- Hyde, D., Schulz, R., Brooks, D., Miller, E. & Ntzachristos, V.: **Performance dependence of hybrid x-ray computed tomography/fluorescence molecular tomography on the optical forward problem.** *J. Opt. Soc. Am. A Opt. Image Sci. Vis.* 26 (4), 919-923 (2009).

- 
- Hyppönen, E., Berry, D.J., Wjst, M. & Power, C.: **Serum 25-hydroxyvitamin D and IgE - a significant but nonlinear relationship.** *Allergy* 64 (4), 613-620 (2009).
- Icks, A., Dickhaus, T., Hörmann, A., Heier, M., Giani, G., Kuch, B. & Meisinger, C.: **Differences in trends in estimated incidence of myocardial infarction in non-diabetic and diabetic people: Monitoring Trends and Determinants on Cardiovascular Diseases (MONICA)/Cooperative Health Research in the Region of Augsburg (KORA) registry.** *Diabetologia* 52 (9), 1836-1841 (2009).
- Ilyinskii, P.O., Schmidt, T., Lukashev, D., Meriin, A.B., Thoidis, G., Frishman, D. & Shneider, A.M.: **Importance of mRNA secondary structural elements for the expression of influenza virus genes.** *OMICS* 13 (5), 421-430 (2009).
- Iozza, S. et al.: **Altitude profiles of total chlorinated paraffins in humus and spruce needles from the Alps (MONARPOP).** *Environ. Pollut.* 157 (12), 3225-3231 (2009).
- Isensee, J. et al.: **Expression pattern of G protein-coupled receptor 30 in LacZ reporter mice.** *Endocrinology* 150 (4), 1722-1730 (2009).
- Jacob, P. et al.: **Rural areas affected by the Chernobyl accident: Radiation exposure and remediation strategies.** *Sci. Total Environ.* 408 (1), 14-25 (2009).
- Jacob, P., Meckbach, R., Sokolnikov, M., Khokhryakov, V.V. & Vasilenko, E.: **Lungenkrebsrisiko der Majakarbeiter - Modellierung der Karzinogenese und des Bystander-Effektes.** Biologische Wirkungen niedriger Dosen ionisierender Strahlung, Klausurtagung der Strahlenschutzkommission am 08./09. November 2007, Band 63, Berlin : H. Hofmann GmbH - Fachverlag, 169-194 (2009).
- Jacob, P., Rühm, W., Walsh, L., Blettner, M., Hammer, G. & Zeeb, H.: **Is cancer risk of radiation workers larger than expected?** *Occup. Environ. Med.* 66 (12), 789-796 (2009).
- Jacquemin, B., Lanki, T., Yli-Tuomi, T., Vallius, M., Hoek, G., Heinrich, J., Timonen, K. & Pekkanen, J.: **Source category-specific PM(2.5) and urinary levels of Clara cell protein CC16. The ULTRA study.** *Inhal. Toxicol.* 21 (13), 1068-1076 (2009).
- Jacquemin, B. et al.: **Association between modelled traffic-related air pollution and asthma score in the ECRHS.** *Eur. Respir. J.* 34, 834-842 (2009).
- Jacquemin, B. et al.: **Home outdoor NO2 and new onset of self-reported asthma in adults.** *Epidemiology* 20 (1), 119-126 (2009).
- Jagasia, R., Steib, K., Englberger, E., Herold, S., Faus-Kessler, T., Saxe, M., Gage, F.H., Song, H. & Lie, D.C.: **GABA-cAMP response element-binding protein signaling regulates maturation and survival of newly generated neurons in the adult hippocampus.** *J. Neurosci.* 29 (25), 7966-7977 (2009).
- Jakobi, G., Römmelt, H., Werner, H. & Kirchner, M.: **Immissionsmessungen verkehrsbedingter Luftschadstoffe in einem Waldbestand im Luv und Lee einer Autobahn in Südbayern.** *Gefahrst. Reinhalt. Luft* 69 (4), 150-154 (2009).
- Jansen, J.T.M., Shrimpton, P.C. & Zankl, M.: **Development of PC based Monte Carlo simulations for the calculation of scanner-specific normalized organ doses from CT.** International Conference on Mathematics, Computational Methods & Reactor Physics (N&C 2009) Saratoga Springs, New York, May 3-7, American Nuclear Society [Ed.], New York : Saratoga Springs, 1-15 (2009).

- 
- Jansson, J., Willing, B., Lucio, M., Fekete, A., Dicksved, J., Halfvarson, J., Tysk, C. & Schmitt-Kopplin, P.: **Metabolomics reveals metabolic biomarkers of Crohn's disease.** PLoS ONE 4 (7), e6386 (2009).
- Jayachandran, A., Königshoff, M., Yu, H., Rupniewska, E., Hecker, M., Klepetko, W., Seeger, W. & Eickelberg, O.: **SNAI transcription factors mediate epithelial-mesenchymal transition in lung fibrosis.** Thorax 64 (12), 1053-1061 (2009).
- Jessberger, S., Clark, R.E., Broadbent, N.J., Clemenson, G.D., JR., Consiglio, A., Lie, D.C., Squire, L.R. & Gage, F.H.: **Dentate gyrus-specific knockdown of adult neurogenesis impairs spatial and object recognition memory in adult rats.** Learn. Mem. 16 (2), 147-154 (2009).
- Jetzfellner, T., Razansky, D., Rosenthal, A., Schulz, R., Englmeier, K.H. & Ntziachristos, V.: **Iterative finite-element-based inversion for quantified detection of molecular targets using optoacoustic tomography.** Proceedings of SPIE; Vol. 7258, Medical Imaging 2009: Physics of Medical Imaging, Ehsan, S.; Jiang, H. [Eds.], 725812 (2009).
- Jetzfellner, T., Razansky, D., Rosenthal, A., Schulz, R., Englmeier, K.H. & Ntziachristos, V.: **Performance of iterative optoacoustic tomography with experimental data.** Appl. Phys. Lett. 95 (1), 013703 (2009).
- Jha, B., Thakur, M.C., Gontia, I., Albrecht, V., Stoffels, M., Schmid, M. & Hartmann, A.: **Isolation, partial identification and application of diazotrophic rhizobacteria from traditional Indian rice cultivars.** Eur. J. Soil Biol. 45 (1), 62-72 (2009).
- Joa, K., Panova, E., Irha, N., Teinemaa, E., Lintemann, J. & Kirso, U.: **Determination of polycyclic aromatic hydrocarbons (PAHs) in oil shale processing wastes: Current practice and new trends.** Oil Shale 26 (1), 59-72 (2009).
- Jochmann, R., Thureau, M., Jung, S., Hofmann, C., Naschberger, E., Kremmer, E., Harrer, T., Miller, M., Schaft, N. & Sturzl, M.: **O-linked N-acetylglucosaminylation of Sp1 inhibits the human immunodeficiency virus type 1 promoter.** J. Virol. 83 (8), 3704-3718 (2009).
- Johansson, A. et al.: **Common variants in the JAZF1 gene associated with height identified by linkage and genome-wide association analysis.** Hum. Mol. Genet. 18 (2), 373-380 (2009).
- John, J.: **Neue Wege der Kosten-Nutzen-Bewertung in der Medizin? Anmerkungen zum Methodenvorschlag des Instituts für Qualität und Wirtschaftlichkeit im Gesundheitswesen.** GGW 9 (1), 7-14 (2009).
- Johnston H.J., Semmler-Behnke M., Brown D.M., Kreyling W., Tran L. & Stone V.: **Evaluating the uptake and intracellular fate of polystyrene nanoparticles by primary and hepatocyte cell lines in vitro.** Toxicol. Appl. Pharmacol. 242 (1), 66-78 (2009).
- Jordaan, K. & Tookos, F.: **Convexity of the zeros of some orthogonal polynomials and related functions.** J. Comput. Appl. Math. 233 (3), 762-767 (2009).
- Jordaan, K. & Tookos, F.: **Interlacing theorems for the zeros of some orthogonal polynomials from different sequences.** Appl. Numer. Math. 59 (8), 2015-2022 (2009).
- Justenhoven, C. et al.: **Polymorphic loci of E2F2, CCND1 and CCND3 are associated with HER2 status of breast tumors.** Int. J. Cancer 124 (9), 2077-2081 (2009).
- Kääb, S. et al.: **Large scale replication and meta-analysis of variants on chromosome 4q25 associated with atrial fibrillation.** Eur. Heart J. 30 (7), 813-819 (2009).

- 
- Kaditzky, S.B., Behr, J., Stocker, A., Kaden, P., Gänzle, M.G. & Vogel, R.F.: **Influence of pH on the formation of Glucan by *Lactobacillus reuteri* TMW 1.106 exerting a protective function against extreme pH values.** Food Biotechnol. 22 (4), 398-418 (2008).
- Kainzinger, F., Raible, C.A., Petrek, K., Müller-Nordhorn, J. & Willich, S.N.: **Optimization of hospital stay through length-of-stay-oriented case management: An empirical study.** J. Public. Health 17 (6), 395-400 (2009).
- Kaiser, J., Jacob, P., Blettner, M. & Vavilov, S.: **Screening effects in risk studies of thyroid cancer after the Chernobyl accident.** Radiat. Environ. Biophys. 48 (2), 169-179 (2009).
- Kala, K., Haugas, M., Lilleväli, K., Guimera, J., Wurst, W., Salminen, M. & Partanen, J.: **Gata2 is a tissue-specific post-mitotic selector gene for midbrain GABAergic neurons.** Development 136 (2), 253-262 (2009).
- Kanawati, B., Harir, M. & Schmitt-Kopplin, P.: **Exploring rearrangements along the fragmentation pathways of diuron anion: A combined experimental and computational investigation.** Int. J. Mass. Spectrom. 288 (1-3), 6-15 (2009).
- Karacik, B., Okay, O.S., Henkelmann, B., Bernhöft, S. & Schramm, K.W.: **Polycyclic aromatic hydrocarbons and effects on marine organisms in the Istanbul Strait.** Environ. Int. 35 (3), 599-606 (2009).
- Karakas, M. et al.: **Genetic variation in Fc gamma receptor IIa and risk of coronary heart disease: negative results from two large independent populations.** BMC Med. Genet. 10, 46 (2009).
- Karrasch, S., Eder, G., Bolle, I., Tsuda, A. & Schulz, H.: **Breath-by-breath measurement of particle deposition in the lung of spontaneously breathing rats.** J. Appl. Physiol. 107 (4), 1293-1299 (2009).
- Karremann, M., Rausche, U., Fleischhack, G.N.M., Peitsch, T.K.C.M. & Wolff, J.E.A.: **Clinical and epidemiological characteristics of pediatric gliosarcomas.** J. Neuro-Oncol. 97 (2), 257-265 (2010) [published online 2009].
- Kastenmüller, W., Gasteiger, G., Stross, L., Busch, D.H. & Drexler, I.: **Cutting edge: mucosal application of a lyophilized viral vector vaccine confers systemic and protective immunity toward intracellular pathogens.** J. Immunol. 182 (5), 2573-2577 (2009).
- Kastenmüller, G., Schenk, M.E., Gasteiger, J. & Mewes, H.W.: **Uncovering metabolic pathways relevant to phenotypic traits of microbial genomes.** Genome Biol. 10 (3), R28 (2009).
- Kasuga, T., Mannhaupt, G. & Glass, N.L.: **Relationship between phylogenetic distribution and genomic features in *Neurospora crassa*.** PLoS ONE 4 (4), e5286 (2009).
- Kathiresan, S. et al.: **Genome-wide association of early-onset myocardial infarction with single nucleotide polymorphisms and copy number variants.** Nat. Genet. 41 (3), 334-341 (2009).
- Keller, B., Meier, M. & Adamski, J.: **Comparison of predicted and experimental subcellular localization of two putative rat steroid dehydrogenases from the short-chain dehydrogenase/reductase protein superfamily.** Mol. Cell. Endocrinol. 301 (1-2), 43-46 (2009).
- Kellermann, C. & Griebler, C.: ***Thiobacillus thiophilus* sp. nov., a chemolithoautotrophic, thiosulfate-oxidizing bacterium isolated from contaminated aquifer sediments.** Int. J. Syst. Evol. Microbiol. 59, 583-588 (2009).

- 
- Kelly, G.L., Long, H.M., Stylianou, J., Thomas, W.A., Leese, A., Bell, A.I., Bornkamm, G.W., Mautner, J., Rickinson, A.B. & Rowe, M.: **An Epstein-Barr virus anti-apoptotic protein constitutively expressed in transformed cells and implicated in burkitt lymphomagenesis: The Wp/BHRF1 link.** PLoS Pathog. 5 (3), e1000341 (2009).
- Kemlink, D. et al.: **Replication of restless legs syndrome loci in three European populations.** J. Med. Genet. 46 (5), 315-318 (2009).
- Kemter, E. et al.: **Novel missense mutation of uromodulin in mice causes renal dysfunction with alterations in urea handling, energy, and bone metabolism.** Am. J. Physiol. Renal Physiol. 297 (5), F1391-1398 (2009).
- Khalil, M.I., Buegger, F., Schraml, M., Gutser, R., Richards, K.G. & Schmidhalter, U.: **Gaseous nitrogen losses from a cambisol cropped to spring wheat with urea sizes and placement depths.** Soil Sci. Soc. Am. J. 73 (4), 1335-1344 (2009).
- Khalvati, M., Bartha, B., Dupigny, A. & Schröder, P.: **Arbuscular mycorrhizal association is beneficial for growth and detoxification of xenobiotics of barley under drought stress.** J. Soils Sediments 10 (1), 54-64 (2010) [published online 2009].
- Khan, M.A. & Berti, L.: **Alzheimer's disease affects progenitor cells through aberrant {beta}-catenin signaling.** J. Neurosci. 29 (40), 12369-12371 (2009).
- Khan, M.D.H., Klein, D., Mossbrugger, I., Oesterle, D., Csanady, G.A., Quintanilla-Martinez, L. & Filser, J.G.: **Is propylene oxide induced cell proliferation in rat nasal respiratory epithelium mediated by a severe depletion of water-soluble non-protein thiol?** Toxicol. Lett. 185 (3), 203-210 (2009).
- Khasawneh, J. et al.: **Inflammation and mitochondrial fatty acid beta-oxidation link obesity to early tumor promotion.** Proc. Natl. Acad. Sci. U.S.A. 106 (9), 3354-3359 (2009).
- Khassehkhan, H., Efendiev, M. & Eberl, H.J.: **A degenerate diffusion-reaction model of an amensalistic biofilm control system: Existence and simulation of solutions.** Discrete Cont. Dyn. B 12 (2), 371-388 (2009).
- Kieffer, P., Schröder, P., Dommes, J., Hoffmann, L., Renaut, J. & Hausman, J.F.: **Proteomic and enzymatic response of poplar to cadmium stress.** J. Proteomics 72 (3), 379-396 (2009).
- Kimura, M., Müller-Preuss, P., Lu, A., Wiesner, E., Flachskamm, C., Wurst, W., Holsboer, F. & Deussing, J.M.: **Conditional corticotropin-releasing hormone overexpression in the mouse forebrain enhances rapid eye movement sleep.** Mol. Psychiatry 15 (2), 154-165 (2010) [published online 2009].
- Kimura, A., Rieger, M.A., Simone, J.M., Chen, W.P., Wickre M.C., Zhu, B.M., Hoppe, P.S., O'Shea, J.J., Schroeder, T. & Hennighausen, L.: **The transcription factors STAT5A/B regulate GM-CSF-mediated granulopoiesis.** Blood 114 (21), 4721-4728 (2009).
- Kindsmüller, K., Schreiner, S., Leinenkugel, F., Groitl, P., Kremmer, E. & Dobner, T.: **A 49-kilodalton isoform of the adenovirus type 5 early region 1B 55-kilodalton protein is sufficient to support virus replication.** J. Virol. 83 (18), 9045-9056 (2009).
- Kinkley, S., Staeger, H., Mohrmann, G., Rohaly, G., Schaub, T., Kremmer, E., Winterpacht, A. & Will, H.: **SPOC1: A novel PHD-containing protein modulating chromatin structure and mitotic chromosome condensation.** J. Cell Sci. 122 (16), 2946-2956 (2009).

- 
- Kirchner, M. et al.: **Vertical distribution of organochlorine pesticides in humus along Alpine altitudinal profiles in relation to ambient parameters.** Environ. Pollut. 157 (12), 3238-3247 (2009).
- Klamt, S., Haus, U.U. & Theis, F.: **Hypergraphs and cellular networks.** PLoS Comput. Biol. 5 (5), e1000385 (2009).
- Klein, I., Rad, U. von & Durner, J.: **Homoserine lactones: do plants really listen to bacterial talk?** Plant Signal Behav. 4 (1), 50-51 (2009).
- Klonisch, T. et al.: **The C-terminal cytoplasmic domain of human proEGF is a negative modulator of body and organ weights in transgenic mice.** FEBS Lett. 583 (8), 1349-1357 (2009).
- Klot, S. von, Gryparis, A., Tonne, C., Yanosky, J., Coull, B.A., Goldberg, R.J., Lessard, D., Melly, S.J., Suh, H.H. & Schwartz, J.: **Elemental carbon exposure at residence and survival after acute myocardial infarction.** Epidemiology 20 (4), 547-554 (2009).
- Klot, S. von, Mittleman, M.A. & Peters, A.: **Physical exertion and triggering of myocardial infarction: reply.** Eur. Heart J. 30 (2), 251-252 (2009).
- Kneilling, M. et al.: **Direct crosstalk between mast cell-TNF and TNFR1-expressing endothelia mediates local tissue inflammation.** Blood 114 (8), 1696-1706 (2009).
- Knol, A.B. et al.: **Expert elicitation on ultrafine particles: likelihood of health effects and causal pathways.** Part. Fibre Toxicol. 6, 19 (2009).
- Knüsli, C., Scherb, H. & Walter, M.: **Sufficient statistical power for CANUPIS? Study on childhood cancer and nuclear power plants in Switzerland.** Schweizer Krebsbulletin - Bulletin Suisse du Cancer (SKB/BSC) 29 (4), 299-300 (2009).
- Kocks, J.R., Adler, H., Danzer, H., Hoffmann, K., Jonigk, D., Lehmann, U. & Förster, R.: **Chemokine receptor CCR7 contributes to a rapid and efficient clearance of lytic murine gamma-herpes virus 68 from the lung, whereas bronchus-associated lymphoid tissue harbors virus during latency.** J. Immunol. 182 (11), 6861-6869 (2009).
- Koegel, H. et al.: **Loss of serum response factor in keratinocytes results in hyperproliferative skin disease in mice.** J. Clin. Invest. 119 (4), 899-910 (2009).
- Koeniger, P., Leibundgut, C. & Stichler, W.: **Spatial and temporal characterisation of stable isotopes in river water as indicators of groundwater contribution and confirmation of modelling results; A study of the Weser river, Germany.** Isotopes Environ. Health Stud. 45 (4), 289-302 (2009).
- Kohlhof, H., Hampel, F., Hoffmann, R., Burtscher, H., Weidle, U.H., Hölzel, M., Eick, D., Zimmer-Strobl, U. & Strobl, L.J.: **Notch1, Notch2, and Epstein-Barr virus-encoded nuclear antigen 2 signaling differentially affects proliferation and survival of Epstein-Barr virus-infected B cells.** Blood 113 (22), 5506-5515 (2009).
- Koller, D., Lack, N. & Mielck, A.: **Social differences in the utilisation of prenatal screening, smoking during pregnancy and birth weight - empirical analysis of data from the Perinatal Study in Bavaria (Germany).** Gesundheitswesen 71 (1), 10-18 (2009).

- 
- Koller, D. & Mielck, A.: **Regional and social differences concerning overweight, participation in health check-ups and vaccination. Analysis of data from a whole birth cohort of 6-year old children in a prosperous German city.** BMC Public Health 9, 43 (2009).
- Kollerits, B. et al.: **Genetic evidence for a role of adiponutrin in the metabolism of apolipoprotein b-containing lipoproteins.** Hum. Mol. Genet. 18 (23), 4669-4676 (2009).
- Kolokassidou, K., Szymczak, W., Wolf, M., Obermeier, C., Buckau, G. & Pashalidis, I.: **Hydrophilic olive cake extracts: characterization by physicochemical properties and Cu(II) complexation.** J. Hazard. Mater. 164 (2-3), 442-447 (2009).
- Kolz, M., Baumert, J., Gohlke, H., Grallert, H., Döring, A., Peters, A., Wichmann, H.E., Koenig, W. & Illig, T.: **Association study between variants in the fibrinogen gene cluster, fibrinogen levels and hypertension: Results from the MONICA/KORA study.** Thromb. Haemost. 101 (2), 317-324 (2009).
- Kolz, M. et al.: **Meta-analysis of 28,141 individuals identifies common variants within five new loci that influence uric acid concentrations.** PLoS Genet. 5 (6), e1000504 (2009).
- Kong, J., Roy, D., Lenoir, D., Zhang, X., Zou, J. & Schleyer, P.v.R.: **2-Norbornyl ion-pair leakage in electrophilic addition of HCl to nortricyclene and norbornene.** Org. Lett. 11 (20), 4684-4687 (2009).
- Kong, A. et al.: **Parental origin of sequence variants associated with complex diseases.** Nature 462 (7275), 868-874 (2009).
- Königshoff, M. & Eickelberg, O.: **WNT signaling in lung disease: A failure or a regeneration signal?** Am. J. Respir. Cell Mol. Biol. 42 (1), 21-31 (2010) [published online 2009].
- Königshoff, M., Kneidinger, N. & Eickelberg, O.: **TGF- $\beta$  signaling in COPD: Deciphering genetic and cellular susceptibilities for future therapeutic regimen.** Swiss Med. Wkly 139 (39-40), 554-563 (2009).
- Königshoff, M. et al.: **WNT1-inducible signaling protein-1 mediates pulmonary fibrosis in mice and is upregulated in humans with idiopathic pulmonary fibrosis.** J. Clin. Invest. 119 (4), 772-787 (2009).
- Konno, R., Okamura, T., Kasai, N., Summer, K.H. & Niwa, A.: **Mutant rat strain lacking D-amino-acid oxidase.** Amino Acids 37 (2), 367-375 (2009).
- Koprivnjak, J.F., Pfromm, P.H., Ingall, E., Vetter, T.A., Schmitt-Kopplin, P., Hertkorn, N., Frommberger, M., Knicker, H. & Perdue, E.M.: **Chemical and spectroscopic characterization of marine dissolved organic matter isolated using coupled reverse osmosis-electrodialysis.** Geochim. Cosmochim. Acta 73 (14), 4215-4231 (2009).
- Kormann, M.S.D., Ferstl, R., Depner, M., Klopp, N., Spiller, S., Illig, T., Vogelberg, C., Mutius, E. von, Kirschning, C.J. & Kabesch, M.: **Rare TLR2 mutations reduce TLR2 receptor function and can increase atopy risk.** Allergy 64 (4), 636-642 (2009).
- Kortvely, E., Hauck, S.M., Duetsch, G., Gloeckner, C.J., Kremmer, E., Alge-Priglinger, C.S., Deeg, C.A. & Ueffing, M.: **ARMS2 is a constituent of the extracellular matrix providing a link between familial and sporadic age-related macular degenerations.** Invest. Ophthalmol. Vis. Sci. 51 (1), 79-88 (2010) [published online 2009].
- Köster, R.W. & Fraser, S.E.: **Time-lapse microscopy of brain development.** Essential Zebrafish Methods: Cell and Developmental Biology, 293-323 (2009).

- 
- Kowalik, D., Haller, F., Adamski, J. & Möller, G.: **In search for function of two human orphan SDR enzymes: hydroxysteroid dehydrogenase like 2 (HSDL2) and short-chain dehydrogenase/reductase-orphan (SDR-O).** J. Steroid Biochem. Mol. Biol. 117 (4-5), 117-124 (2009).
- Krämer, P.: **Immunochemical methods.** Water Quality measurements series, Rapid chemical and biological techniques for water monitoring, Gonzalez, C. et al. [Eds.], Chichester, UK : Wiley, 157-173 (2009).
- Krämer, U. et al.: **Eczema, respiratory allergies, and traffic-related air pollution in birth cohorts from small-town areas.** J. Dermatol. Sci. 56 (2), 99-105 (2009).
- Krammer, C., Kremmer, E., Schatzl, H.M. & Vorberg, I.: **Dynamic interactions of Sup35p and PrP prion protein domains modulate aggregate nucleation and seeding.** Prion 2 (3), 99-106 (2008).
- Krammer, C., Kryndushkin, D., Suhre, M.H., Kremmer, E., Hofmann, A., Pfeifer, A., Scheibel, T., Wickner, R.B., Schatzl, H.M. & Vorberg, I.: **The yeast Sup35NM domain propagates as a prion in mammalian cells.** Proc. Natl. Acad. Sci. U.S.A. 106 (2), 462-467 (2009).
- Kraus, L., Baumeister, S.E., Pabst, A. & Orth, B.: **Association of average daily alcohol consumption, binge drinking and alcohol-related social problems: results from the German Epidemiological Surveys of Substance Abuse.** Alcohol Alcohol. 44 (3), 314-320 (2009).
- Krauss-Etschmann, S. et al.: **Current use of room disinfectants and allergic symptoms at the age of 4 years.** J. Allergy Clin. Immunol. 123 (5), 1176-1178 (2009).
- Kreipl, M.S., Friedland, W. & Paretzke, H.G.: **Interaction of ion tracks in spatial and temporal proximity.** Radiat. Environ. Biophys. 48 (4), 349-359 (2009).
- Kreipl, M.S., Friedland, W. & Paretzke, H.G.: **Time- and space-resolved Monte Carlo study of water radiolysis for photon, electron and ion irradiation.** Radiat. Environ. Biophys. 48 (1), 11-20 (2009).
- Kretzschmar, H. & Illig, T.: **Are further genetic factors associated with the risk of developing variant Creutzfeldt-Jakob disease?** Lancet Neurol. 8 (1), 25-26 (2009).
- Kreuzer, M., Matthes, R. & Jung, T.: **WHO-Kollaborationszentrum für ionisierende und nicht-ionisierende Strahlung und Gesundheit im Bundesamt für Strahlenschutz.** ecomed, Handbuch der Umweltmedizin, 42. Ergänzungslieferung, 11/09, ecomed Medizin, München, Band 1, Kapitel III-2.7.5, Wichmann, E. et al. [Eds.], München, Düsseldorf, Berlin : Ecomed Verl.-Ges., 1-6 (2009).
- Kreyling, W.G., Semmler-Behnke, M., Seitz, J., Scymczak, W., Wenk, A., Mayer, P., Takenaka, S. & Oberdörster, G.: **Size dependence of the translocation of inhaled iridium and carbon nanoparticle aggregates from the lung of rats to the blood and secondary target organs.** Inhal. Toxicol. 21 (S1), 55-60 (2009).
- Krönig, H. et al.: **Allorestricted T lymphocytes with a high avidity T-cell receptor towards NY-ESO-1 have potent anti-tumor activity.** Int. J. Cancer 125 (3), 649-655 (2009).
- Kuch, B., Scheidt, W. von, Ehmann, A., Kling, B., Greschik, C., Hoermann, A. & Meisinger, C.: **Extent of the decrease of 28-day case fatality of hospitalized patients with acute myocardial infarction over 22 years: epidemiological versus clinical view: the MONICA/KORA Augsburg infarction registry.** Circ. Cardiovasc. Qual. Outcomes 2 (4), 313-319 (2009).

- 
- Kuhn, T.K., Hamonts, K., Dijk, J.A., Kalka, H., Stichler, W., Springael, D., Dejonghe, W. & Meckenstock, R.U.: **Assessment of the intrinsic bioremediation capacity of an eutrophic river sediment polluted by discharging chlorinated aliphatic hydrocarbons: A compound-specific isotope approach.** *Environ. Sci. Technol.* 43 (14), 5263-5269 (2009).
- Kühn, R. & Wurst, W.: **Overview on mouse mutagenesis.** *Gene knockout protocols.* 530, 1-12 (2009).
- Kumar, D., Hosse, J., Toerne, C. von, Noessner, E. & Nelson, P.J.: **JNK MAPK pathway regulates constitutive transcription of CCL5 by human NK cells through SP1.** *J. Immunol.* 182 (2), 1011-1020 (2009).
- Kumarasamy, A. et al.: **Lysyl oxidase activity is dysregulated during impaired alveolarization of mouse and human lungs.** *Am. J. Respir. Crit. Care Med.* 180 (1), 1239-1252 (2009).
- Kunenkov, E.V., Kononikhin, A.S., Perminova, I.V., Hertkorn, N., Gaspar, A., Schmitt-Kopplin, P., Popov, I.A., Garmash, A.V. & Nikolaev, E.N.: **Total mass difference statistics algorithm: A new approach to identification of high-mass building blocks in electrospray ionization Fourier transform ion cyclotron mass spectrometry data of natural organic matter.** *Anal. Chem.* 81 (24), 10106-10115 (2009).
- Kunert, N., Wagner, E., Murawska, M., Klinker, H., Kremmer, E. & Brehm, A.: **dMec: A novel Mi-2 chromatin remodelling complex involved in transcriptional repression.** *EMBO J.* 28 (5), 533-544 (2009).
- Kunte, C., Schuh, T., Eberle, J.Y., Baumert, J., Konz, B., Volkenandt, M., Ruzicka, T. & Schmid-Wendtner, M.H.: **The use of high-resolution ultrasonography for preoperative detection of metastases in sentinel lymph nodes of patients with cutaneous melanoma.** *Dermatol. Surg.* 35 (11), 1757-1765 (2009).
- Kutscher, S. et al.: **The intracellular detection of MIP-1beta enhances the capacity to detect IFN-gamma mediated HIV-1-specific CD8 T-cell responses in a flow cytometric setting providing a sensitive alternative to the ELISPOT.** *AIDS. Res. Ther.* 5, 22 (2008).
- Kuwabara, T., Hsieh, J., Muotri, A., Yeo, G., Warashina, M., Lie, D.C., Moore, L., Nakashima, K., Asashima, M. & Gage, F.H.: **Wnt-mediated activation of NeuroD1 and retro-elements during adult neurogenesis.** *Nat. Neurosci.* 12 (9), 1097-1105 (2009).
- Ladwig, K.H., Gärtner, C., Walz, L.M., Smenes, K.R. & Ronel J.: **The inner barrier: How health psychology concepts contribute to the explanation of prehospital delays in acute myocardial infarction: A systematic analysis of the current state of knowledge.** *Psychother. Psychosom.* 59 (12), 440-445 (2009).
- Laer, D. von, Baum, C. & Protzer, U.: **Antiviral gene therapy.** *Handbook of Experimental Pharmacology* 189, Antiviral Strategies, Kräusslich, HG.; Bartenschlager, R. [Eds.], Berlin : Springer, 265-297 (2009).
- Laitinen, I. et al.: **Evaluation of alphavbeta3 integrin-targeted positron emission tomography tracer 18F-galacto-RGD for imaging of vascular inflammation in atherosclerotic mice.** *Circ. Cardiovasc. Imaging* 2 (4), 331-338 (2009).
- Landi, M.T. et al.: **A genome-wide association study of lung cancer identifies a region of chromosome 5p15 associated with risk for adenocarcinoma.** *Am. J. Hum. Genet.* 85 (5), 679-691 (2009).
- Langer, A. & Rogowski, W.: **Deskriptive Entscheidungstheorie.** *Theorien und Methoden der Betriebswirtschaft. Handbuch für Wissenschaftler und Studierende*, Schwaiger, M.; Meyer, A. [Eds.], München : Verlag Franz Vahlen, 177-191 (2009).

- Langer, A. & Rogowski, W.: **Systematic review of economic evaluations of human cell-derived wound care products for the treatment of venous leg and diabetic foot ulcers.** BMC Health Serv. Res. 9, 115 (2009).
- Lardjane, S.: **On linear dependence to the initial state for a class of nonstationary cryptodeterministic processes.** Int. J. Nonlinear Sci. 6 (3), 202-207 (2008).
- Lardjane, S. & Dourgnon, P.: **Les comparaisons internationales d'etat de sante subjectif sont-elles pertinentes ? Une evaluation par la methode des vignettes-etalon.** Economie et Statistique 403-404, 165-177 (2007).
- Larionova, A.A., Zolotareva, B.N., Yevdokimov, I.V., Sapronov, D.V., Kuzyakov, Y.V. & Buegger, F.: **The rates of organic matter renewal in gray forest soils and chernozems.** Eurasian Soil Sci. 41 (13), 1378-1386 (2008).
- Larson, D.R. & Massopust, P.: **Coxeter groups and wavelet sets.** Contemporary Mathematics 451, 187-218 (2008).
- Larson, D.R., Massopust, P. & Olafsson, G.: **Three-way tiling sets in two dimensions.** Acta. Appl. Math. 108 (3), 529-546 (2009).
- las Heras Gala, H. de: **Tomografía computerizada: un buen uso, no un abuso, de la radiación ionizante.** Revista española de física 23 (1), 10-14 (2009).
- las Heras, H. de, Beatson, R., Castell, W. zu, Tischenko, O., Xu, Y. & Hoeschen, C.: **CT with dual optimal reading: compatibility of the two data sets and interpolation issues.** IFMBE Proceedings, Vol. 25/II, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 579-582 (2009).
- las Heras, H. de, Tischenko, O., Schlattl, H., Xu, Y. & Hoeschen, C.: **Dose reduction potential of the scanning geometry CT D'OR: a simulation study.** Proceedings of SPIE; Vol. 7258, Medical Imaging 2009: Physics of Medical Imaging, Samei, E.; Hsieh, J. [Eds.], 72585R-72585R-9 (2009).
- las Heras, H. de, Tischenko, O., Xu, Y., Schlattl, H. & Hoeschen, C.: **Efficient data acquisition in CT: dual optimal reading.** IFMBE Proceedings, Vol. 25/II, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 575-578 (2009).
- Lasser, R.: **Point derivations on the L1-algebra of polynomial hypergroups.** Colloq. Math. 116 (1), 15-30 (2009).
- Lasser, R.: **Various amenability properties of the L1-algebra of polynomial hypergroups and applications.** J. Comput. Appl. Math. 233 (3), 786-792 (2009).
- Lattka, E., Eggers, S., Moeller, G., Heim, K., Weber, M., Mehta, D., Prokisch, H., Illig, T. & Adamski, J.: **A common FADS2 promoter polymorphism increases promoter activity and facilitates binding of transcription factor ELK1.** J. Lipid. Res. 51 (1), 182-191 (2010) [published online 2009].
- Lattka, E., Illig, T., Heinrich, J. & Koletzko, B.: **FADS gene cluster polymorphisms: important modulators of fatty acid levels and their impact on atopic diseases.** J. Nutrigenet. Nutrigenomics 2 (3), 119-28 (2009).
- Laumen, H. et al.: **Functional characterization of promoter variants of the adiponectin gene complemented by epidemiological data.** Diabetes 58 (4), 984-991 (2009).

- 
- Lehmann, M.H., Kastenmuller, W., Kandemir, J.D., Brandt, F., Suezer, Y. & Sutter, G.: **Modified vaccinia virus ankara triggers chemotaxis of monocytes and early respiratory immigration of leukocytes by induction of CCL2 expression.** *J. Virol.* 83 (6), 2540-2552 (2009).
- Lehrke, M. et al.: **Chemerin is associated with markers of inflammation and components of the metabolic syndrome but does not predict coronary atherosclerosis.** *Eur. J. Endocrinol.* 161 (2), 339-344 (2009).
- Leibundgut, C., Maloszewski, P. & Külls, C.: **Tracers in hydrology.** Hoboken : Wiley-VCH, 432 S. (2009).
- Leidl, R.: **Preferences, quality of life and public health.** *Eur. J. Public Health* 19 (3), 228-229 (2009).
- Lengerke, T. von: **Psychische Determinanten gesundheitsrelevanten Verhaltens: Verhaltensspezifische Kernkonstrukte und sozialepidemiologische Forschungsperspektiven.** Hallesche Beiträge zu den Gesundheits- und Pflegewissenschaften, Jg. 8 Nr. 46, "Pflegebedürftig" in der "Gesundheitsgesellschaft": Tagung vom 26.-28. März 2009 in Halle (Saale), Behrens, J. [Ed.], 39 S. (2009).
- Lenoir, D. & Ilomets, T.: **Eliteuniversität des 19. Jahrhunderts.** *Nachr. Chem.* 57 (11), 1100-1103 (2009).
- Lenoir, D., Smith, P.J. & Liebmann, J.F.: **Nonplanar alkenes.** *Strained Hydrocarbons : Beyond the van't Hoff and Le Bel hypothesis*, Dodziuk, H. [Ed.], Weinheim : Wiley-VCH Verlag, 103-112 (2009).
- Lenoir, D. & Tidwell, T.T.: **Louis Fieser: an organic chemist in peace and war.** *Eur. J. Org. Chem.* 4, 481-491 (2009).
- Leon, C., Rodriguez-Meizoso, I., Lucio, M., Garcia-Canas, V., Ibanez, E., Schmitt-Kopplin, P. & Cifuentes, A.: **Metabolomics of transgenic maize combining Fourier transform-ion cyclotron resonance-mass spectrometry, capillary electrophoresis-mass spectrometry and pressurized liquid extraction.** *J. Chromatogr. A* 1216 (43), 7314-7323 (2009).
- Leopold, K.: **Contaminations by natural radionuclides as a result of coal mining activities.** *Coal Mining: Research, Technology and Safety*, Fosdyke, G.B. [Ed.], New York, USA : Nova Science Publishers, 145-166 (2008).
- Leopold, K., Arogunjo, A.M., Giussani, A., Höllriegel, V., Oeh, U., Veronese, I. & Gerstmann, U.C.: **Inventory and geochemical host phases of natural radionuclides in tin mining materials from Nigeria.** *Appl. Radiat. Isot.* 67 (5), 926-930 (2009).
- Leopold, K. & Gerstmann, U.: **A comment on "Distribution of some natural gamma-emitting radionuclides in the soils of the coastal areas of Nigeria" by Alatise, O.O., Babalola, I.A. & Olowofela, J.A.** *Journal of Environmental Radioactivity* 99 (2008) 1746-1749. *J. Environ. Radioact.* 100 (7), 605 (2009).
- Levin, A., Hayouka, Z., Brack-Werner, R., Volsky, D.J., Friedler, A. & Loyter, A.: **Novel regulation of HIV-1 replication and pathogenicity: Rev inhibition of integration.** *Protein Eng. Des. Sel.* 22 (12), 753-763 (2009).
- Levin, A., Hayouka, Z., Helfer, M., Brack-Werner, R., Friedler, A. & Loyter, A.: **Peptides derived from HIV-1 integrase that bind Rev stimulate viral genome integration.** *PLoS ONE* 4 (1), e4155 (2009).
- Levy, W., Henkelmann, B., Pfister, G., Bernhöft, S., Kirchner, M., Jakobi, G., Bassan, R., Kräuchi, N. & Schramm, K.W.: **Long-term air monitoring of organochlorine pesticides using Semi Permeable Membrane Devices (SPMDs) in the Alps.** *Environ. Pollut.* 157 (12), 3272-3279 (2009).
- Lewis, M.A. et al.: **An ENU-induced mutation of miR-96 associated with progressive hearing loss in mice.** *Nat. Genet.* 41 (5), 614-618 (2009).

- 
- Li, W.B., Gerstmann, U.C., Höllriegl, V., Szymczak, W., Roth, P., Hoeschen, C. & Oeh, U.: **Radiation dose assessment of exposure to depleted uranium.** *J. Expo. Sci. Environ. Epidemiol.* 19 (5), 502-514 (2009).
- Li, W.B., Karpas, Z., Salonen, L., Kurttio, P., Muikku, M., Wahl, W., Höllriegl, V., Hoeschen, C. & Oeh, U.: **A compartmental model of uranium in human hair for protracted ingestion of natural uranium in drinking water.** *Health Phys.* 96 (6), 636-645 (2009).
- Liao, W.P., Uetzmann, L., Burtscher, I. & Lickert, H.: **Generation of a mouse line expressing Sox17-driven Cre recombinase with specific activity in arteries.** *Genesis* 47 (7), 476-483 (2009).
- Liebl, C., Panhuysen, M., Pütz, B., Trümbach, D., Wurst, W., Deussing, J.M., Müller, M.B. & Schmidt, M.V.: **Gene expression profiling following maternal deprivation: involvement of the brain Renin-Angiotensin system.** *Front. Mol. Neurosci.* 2, 1 (2009).
- Liger-Belair, G., Cilindre, C., Gougeon, R.D., Lucio, M., Gebefügi, I., Jeandet, P. & Schmitt-Kopplin, P.: **Unraveling different chemical fingerprints between a champagne wine and its aerosols.** *Proc. Natl. Acad. Sci. U.S.A.* 106 (39), 16545-16549 (2009).
- Lillesaar, C., Stigloher, C., Tannhäuser, B., Wullimann, M.F. & Bally-Cuif, L.: **Axonal projections originating from raphe serotonergic neurons in the developing and adult zebrafish, *Danio rerio*, using transgenics to visualize raphe-specific *pet1* expression.** *J. Comp. Neurol.* 512 (2), 158-182 (2008).
- Lin, Y.H., Kakadia, P.M., Chen, Y., Li, Y.Q., Deshpande, A.J., Buske, C., Zhang, K.L., Zhang, Y., Xu, G.L. & Bohlander, S.K.: **Global reduction of the epigenetic H3K79 methylation mark and increased chromosomal instability in CALM-AF10-positive leukemias.** *Blood* 114 (3), 651-658 (2009).
- Lindermayr, C. & Durner J.: **S-Nitrosylation in plants: Pattern and function.** *J. Proteomics* 73 (1), 1-9 (2009).
- Lindert, J., Ehrenstein, O.S. von, Priebe, S., Mielck, A. & Brähler, E.: **Depression and anxiety in labor migrants and refugees - a systematic review and meta-analysis.** *Soc. Sci. Med.* 69 (2), 246-257 (2009).
- Lindgren, C.M. et al.: **Genome-wide association scan meta-analysis identifies three Loci influencing adiposity and fat distribution.** *PLoS Genet.* 5, e1000508 (2009).
- Linsel-Nitschke, P. et al.: **Genetic variation at chromosome 1p13.3 affects sortilin mRNA expression, cellular LDL-uptake and serum LDL levels which translates to the risk of coronary artery disease.** *Atherosclerosis* 208 (1), 183-189 (2010) [published online 2009].
- Little, M.P., Heidenreich, W.F. & Li, G.Q.: **Parameter identifiability and redundancy in a general class of stochastic carcinogenesis models.** *PLoS ONE* 4 (12), e8520 (2009).
- Little, M.P., Tawn, E.J., Tzoulaki, I., Wakeford, R., Hildebrandt, G., Paris, F., Tapio, S. & Elliott, P.: **A systematic review of epidemiological associations between low and moderate doses of ionizing radiation and late cardiovascular effects, and their possible mechanisms.** *Radiat. Res.* 169 (1), 99-109 (2008).
- Little, M.P., Tawn, E.J., Tzoulaki, I., Wakeford, R., Hildebrandt, G., Tapio, S. & Elliott, P.: **Comments: The non-cancer mortality experience of male workers at British Nuclear Fuels plc, 1946-2005.** *Int. J. Epidemiol.* 38 (4), 1159-1164 (2009).

- 
- Ljungman, P. et al.: **DNA variants, plasma levels and variability of Interleukin-6 in myocardial infarction survivors: Results from the AIRGENE study.** *Thromb. Res.* 124 (1), 57-64 (2009).
- Ljungman, P. et al.: **Modification of the interleukin-6 response to air pollution by interleukin-6 and fibrinogen polymorphisms.** *Environ. Health Perspect.* 117 (9), 1373-1379 (2009).
- Loeder, S., Drensek, A., Jeremias, I., Debatin, K.M. & Fulda, S.: **Small molecule XIAP inhibitors sensitize childhood acute leukemia cells for CD95-induced apoptosis.** *Int. J. Cancer* 126 (9), 2216-2228 (2010) [published online 2009].
- Loewenstein, Y., Raimondo, D., Redfern, O.C., Watson, J., Frishman, D., Linial, M., Orengo, C., Thornton, J. & Tramontano, A.: **Protein function annotation by homology-based inference.** *Genome Biol.* 10 (2), 207 (2009).
- Lohmann, C., Muschaweckh, A., Kirschnek, S., Jennen, L., Wagner, H. & Häcker, G.: **Induction of tumor cell apoptosis or necrosis by conditional expression of cell death proteins: Analysis of cell death pathways and in vitro immune stimulatory potential.** *J. Immunol.* 182 (8), 4538-4546 (2009).
- Lu, C.M., Kwan, J., Baumgartner, A., Weier, J.F., Wang, M., Escudero, T., Munné, S., Zitzelsberger, H.F. & Weier, H.U.: **DNA probe pooling for rapid delineation of chromosomal breakpoints.** *J. Histochem. Cytochem.* 57 (6), 587-597 (2009).
- Lu, T.T. et al.: **An evaluation of the genetic-matched pair study design using genome-wide SNP data from the European population.** *Eur. J. Hum. Genet.* 17 (7), 967-975 (2009).
- Luedemann, G., Matyssek, G., Winkler, J.B. & Grams, T.E.E.: **Contrasting ozone - pathogen interaction as mediated through competition between juvenile European beech (*Fagus sylvatica*) and Norway spruce (*Picea abies*).** *Plant Soil* 323 (1-2), 47-60 (2009).
- Luotola, K. et al.: **Association of variation in the interleukin-1 gene family with diabetes and glucose homeostasis.** *J. Clin. Endocrinol. Metab.* 94 (11), 4575-4583 (2009).
- Lutter, D., Langmann, T., Ugocsai, P., Moehle, C., Seibold, E., Splettstoesser, W.D., Gruber, P., Lang, E.W. & Schmitz, G.: **Analyzing time-dependent microarray data using independent component analysis derived expression modes from human macrophages infected with *F. tularensis holarctica*.** *J. Biomed. Inform.* 42 (4), 605-611 (2009).
- Lutz, A.K. et al.: **Loss of parkin or PINK1 function increases Drp1-dependent mitochondrial fragmentation.** *J. Biol. Chem.* 284, 2108-2111 (2009).
- Luxenhofer, B., Keller, M. & Mielck, A.: **Haben die Ärzte, die in ärmeren Gemeinden arbeiten, die kränkeren Diabetes-mellitus-Typ-2-Patienten? Regionale Unterschiede bei DMP-Patienten in Bayern.** *Diabetol. Stoffwechs.* 4 (6), 374-383 (2009).
- Lyubenova, L., Nehnevajova, E., Herzig, R. & Schröder, P.: **Response of antioxidant enzymes in *Nicotiana tabacum* clones during phytoextraction of heavy metals.** *Environ. Sci. Pollut. Res.* 16 (5), 573-581 (2009).
- Ma, R., Taruttis, A., Ntziachristos, V. & Razansky, D.: **Multispectral optoacoustic tomography (MSOT) scanner for whole-body small animal imaging.** *Opt. Express* 17 (24), 21414-21426 (2009).
- Maas, R. et al.: **Polymorphisms in the promoter region of the dimethylarginine dimethylaminohydrolase 2 gene are associated with prevalence of hypertension.** *Pharmacol. Res.* 60 (6), 488-493 (2009).

- 
- Mabit, L., Kliik, A., Benmansour, M., Toloza, A., Geisler, A. & Gerstmann, U.C.: **Assessment of erosion and deposition rates within an Austrian agricultural watershed by combining <sup>137</sup>Cs, <sup>210</sup>Pb and conventional measurements.** *Geoderma* 150 (3-4), 231-239 (2009).
- Machado, R.D. et al.: **Genetics and genomics of pulmonary arterial hypertension.** *J. Am. Coll. Cardiol.* 54 (1), S32-S42 (2009).
- Madl, T. & Sattler, M.: **Adhesion dance with raver.** *Structure* 17 (6), 781-783 (2009).
- Maetzel, D.D.S.M.B.C.M.W.P.B.M.K.C.P.P.B.P.A.M.M.G.O.: **Nuclear signalling by tumour-associated antigen EpCAM.** *Nat. Cell Biol.* 11 (2), 162-171 (2009).
- Mahabir, E., Bulian, D., Needham, J. & Schmidt, J.: **Lack of transmission of mouse minute virus (MMV) from in vitro-produced embryos to recipients and pups due to the presence of cumulus cells during the in vitro fertilization process.** *Biol. Reprod.* 81 (3), 531-538 (2009).
- Mahabir, E., Reindl, K., Mysliwicz, J., Needham, J., Bulian, D., Markoullis, K., Scherb, H. & Schmidt, J.: **Impairment of germline transmission after blastocyst injection with murine embryonic stem cells cultured with mouse hepatitis virus and mouse minute virus.** *Transgenic Res.* 18 (1), 45-57 (2009).
- Maier, W. & Mielck, A.: **Environmental justice. Stand der empirischen Analyse und Ableitung von methodischen Empfehlungen.** *Präv. Gesundheitsf.* 5 (2), 115-128 (2010) [published online 2009].
- Malik, A.K., Fekete, A., Gebefügi, I., Rothballer, M. & Schmitt-Kopplin, P.: **Single drop microextraction of homoserine lactones based quorum sensing signal molecules, and the separation of their enantiomers using gas chromatography mass spectrometry in the presence of biological matrices.** *Microchim. Acta* 166, 101-107 (2009).
- Maloszewski, P., Moser, H., Stichler, W. & Trimborn, P.: **Detection of water movements, evaporation process and water regeneration using environmental isotopes <sup>2</sup>H and <sup>18</sup>O.** Long-term hazard to drinking water resources from landfills, Spillmann, P.; Dörrie, T.; Struve, M. [Eds.], London, UK : thomas telford, 73-97 (2009).
- Mancosu, P., Cantone, M.C., Veronese, I. & Giussani, A.: **Spatial distribution of beta extremity doses in nuclear medicine: A feasibility study with thin {alpha}-Al<sub>2</sub>O<sub>3</sub>:C TLDs.** *Phys. Med.* 26 (1), 44-48 (2009).
- Mannhold, R., Poda, G.I., Ostermann, C. & Tetko, I.V.: **Calculation of molecular lipophilicity: State-of-the-art and comparison of log P methods on more than 96,000 compounds.** *J. Pharm. Sci.* 98 (3), 861-893 (2009).
- Marchetti, A.A. et al.: **Fast neutrons measured in copper from the Hiroshima atomic bomb dome.** *Radiat. Res.* 171 (1), 118-122 (2009).
- Marco, R. de et al.: **Long-term outcomes in mild/moderate chronic obstructive pulmonary disease in the european community respiratory health survey.** *Am. J. Respir. Crit. Care Med.* 180 (10), 956-963 (2009).
- Mares, V., Maczka, T., Leuthold, G. & Rühm, W.: **Air crew dosimetry with a new version of EPCARD.** *Radiat. Prot. Dosim.* 136 (4), 262-266 (2009).
- Markoullis, K. et al.: **Mycoplasma contamination of murine embryonic stem cells affects cell parameters, germline transmission and chimeric progeny.** *Transgenic Res.* 18 (1), 71-87 (2009).

- 
- Marquard, V., Beckmann, L., Heid, I.M., Lamina, C. & Chang-Claude, J.: **Impact of genotyping errors on the type I error rate and the power of haplotype-based association methods.** BMC Genet. 10, 3 (2009).
- Marr, C. & Hutt, M.T.: **Outer-totalistic cellular automata on graphs.** Phys. Lett. A 373 (5), 546-549 (2009).
- Marrett, E., Stargardt, T., Mavros, P. & Alexander, C.M.: **Patient-reported outcomes in a survey of patients treated with oral antihyperglycaemic medications: Associations with hypoglycaemia and weight gain.** Diabetes Obes. Metab. 11 (12), 1138-1144 (2009).
- Marschall, S., Boersma, A. & Hrabé Angelis, M. de: **Sperm cryopreservation and in vitro fertilization.** Methods in Molecular Biology; Vol. 530, Gene knockout protocols., Kühn, R.; Wurst, W. [Eds.], Clifton, N.J. : Humana Press, 407-420 (2009).
- Massopust, P.: **A class of solutions to Maxwell's equations in matter and associated special functions.** Advances in Deterministic and Stochastic Analysis, Chuong, N.M.; Ciarlet, P.G.; Lax, P. [Eds.], Singapore : World Scientific Publishing Co Pte Ltd, 131-175 (2007).
- Massopust, P.: **Double Dirichlet averages and complex B-splines.** Proceedings of SampTA 2009, Forster, B.; Massopust, P. [Eds.], (2009).
- Massopust, P.: **Multiwavelets: Some approximation-theoretic properties, sampling on the interval, and translation invariance.** Harmonic, Wavelet and P-adic Analysis, Chuong, N.M.; Egorov, Y.V.; Khrennikov, A. [Eds.], 37-57 (2007).
- Massopust, P. & Forster, B.: **Multivariate complex B-splines and Dirichlet averages.** J. Approx. Theory 162 (2), 252-269 (2010) [published online 2009].
- Massopust, P. & Forster, B.: **Some remarks about the connection between fractional divided differences, fractional B-splines, and the Hermite-Genocchi formula.** Int. J. Wavelets. Multi 6 (2), 279-290 (2008).
- Mayer, V., Schön, U., Holinski-Feder, E., Koehler, U. & Thalhammer, S.: **Single cell analysis of mutations in the APC gene.** Fetal Diagn. Ther. 26 (3), 148-156 (2009).
- Mayer, K.F. et al.: **Gene content and virtual gene order of barley chromosome 1H.** Plant Physiol. 151 (2), 496-505 (2009).
- McKelvie, J.R., Hyman, M.R., Elsner, M., Smith, C., Aslett, D.M., Lacrampe-Couloume, G. & Lollar, B.S.: **Isotopic fractionation of methyl tert-butyl ether suggests different initial reaction mechanisms during aerobic biodegradation.** Environ. Sci. Technol. 43 (8), 2793-2799 (2009).
- Meier, M., Möller, G. & Adamski, J.: **Perspectives in understanding the role of human 17beta-hydroxysteroid dehydrogenases in health and disease.** Ann. N.Y. Acad. Sci. 1155 (2), 15-24 (2009).
- Meisenberg, O. & Tschiersch, J.: **Online measurement of unattached and total radon and thoron decay products.** Appl. Radiat. Isot. 67 (5), 843-848 (2009).
- Meisinger, C.: **Krankheiten des Herz-Kreislauf-Systems.** Angewandte Sozialmedizin. Handbuch für Weiterbildung und Praxis; 14. Erg.Lfg. 5/09, Gostomyk, J.G. [Ed.], Landsberg a.L. : ecomed Medizin, 1-24 (2009).
- Meisinger, C., Kandler, U. & Ladwig, K.H.: **Living alone is associated with an increased risk of type 2 diabetes mellitus in men but not women from the general population: The MONICA/KORA Augsburg cohort study.** Psychosom. Med. 71 (7), 784-788 (2009).

- 
- Meisinger, C. et al.: **A genome-wide association study identifies three loci associated with mean platelet volume.** *Am. J. Hum. Genet.* 84 (1), 66-71 (2009).
- Memon, A.R. & Schröder, P.: **Implications of metal accumulation mechanisms to phytoremediation.** *Environ. Sci. Pollut. Res.* 16 (2), 162-175 (2009).
- Mench, M., Schwitzguébel, J.P., Schröder, P., Bert, V., Gawronski, S. & Gupta, S.: **Assessment of successful experiments and limitations of phytotechnologies: Contaminant uptake, detoxification and sequestration, and consequences for food safety.** *Environ. Sci. Pollut. Res.* 16 (7), 876-900 (2009).
- Menn, P. & Holle, R.: **Comparing three software tools for implementing markov models for health economic evaluations.** *Pharmacoeconomics* 27 (9), 745-753 (2009).
- Merkel, O.M., Beyerle, A., Librizzi, D., Pfestroff, A., Behr, T.M., Sproat, B., Barth, P.J. & Kissel, T.: **Nonviral siRNA delivery to the lung: Investigation of PEG-PEI polyplexes and their in vivo performance.** *Mol. Pharm.* 6 (4), 1246-1260 (2009).
- Messerli, S.M., Kasinathan, R.S., Morgan, W., Spranger, S. & Greenberg, R.M.: **Schistosoma mansoni P-glycoprotein levels increase in response to praziquantel exposure and correlate with reduced praziquantel susceptibility.** *Mol. Biochem. Parasitol.* 167 (1), 54-59 (2009).
- Metzeler, K.H. et al.: **ERG expression is an independent prognostic factor and allows refined risk stratification in cytogenetically normal acute myeloid leukemia: A comprehensive analysis of ERG, MN1, and BAALC transcript levels using oligonucleotide microarrays.** *J. Clin. Oncol.* 27 (30), 5031-5038 (2009).
- Meyer, A.H., Penning, H. & Elsner, M.: **C and N isotope fractionation suggests similar mechanisms of microbial atrazine transformation despite involvement of different enzymes (AtzA and TrzN).** *Environ. Sci. Technol.* 43 (21), 8079-8085 (2009).
- Meyer, D. et al.: **CD96 interaction with CD155 via its first Ig-like domain is modulated by alternative splicing or mutations in distal Ig-like domains.** *J. Biol. Chem.* 284 (4), 2235-2244 (2009).
- Michalke, B.: **Perspective on element speciation.** *J. Environ. Monit.* 11 (10), 1754-1756 (2009).
- Michalke, B., Grill, P. & Berthele, A.: **A method for low volume and low Se concentration samples and application to paired cerebrospinal fluid and serum samples.** *J. Trace Elem. Med. Biol.* 23 (4), 243-250 (2009).
- Michalke, B., Halbach, S. & Nischwitz, V.: **JEM spotlight: metal speciation related to neurotoxicity in humans.** *J. Environ. Monit.* 11 (5), 939-954 (2009).
- Michiels, P.J., Ludwig, C., Stephans, M., Fischer, C., Möller, G., Adamski, J., Messinger, J., van Dongen, M., Thole, H. & Günther, U.L.: **Ligand-based NMR spectra demonstrate an additional phytoestrogen binding site for 17[beta]-hydroxysteroid dehydrogenase type 1.** *J. Steroid Biochem. Mol. Biol.* 117 (4-5), 93-98 (2009).
- Mielck, A.: **Arbeitslosigkeit und Armut: Soziale Bedingungen der notfallmedizinischen Versorgung.** *Akutmedizin - Die ersten 24 Stunden*, Madler et al. [Eds.], München : Urban & Fischer, 1067-1076 (2009).
- Mielck, A.: **Soziale Ungleichheit und Gesundheit.** *Angewandte Sozialmedizin. Handbuch für Weiterbildung und Praxis*; 15. Erg. Lfg. 12/09, Gostomzyk, J.G. [Ed.], Landsberg a.L. : ecomed Verlagsgesellschaft, 1-28 (2009).

- 
- Mielck, A., Altgeld, T., Reisig, V. & Kümpers, S.: **Quantitative Zielvorgaben zur Verringerung der gesundheitlichen Ungleichheit. Lernen von England und anderen westeuropäischen Staaten.** Gesundheitliche Ungleichheit - Grundlagen, Probleme, Perspektiven, Richter, M.; Hurrelmann, K. [Eds.], Wiesbaden : VS Verlag für Sozialwissenschaften, 459-477 (2009).
- Mielck, A., Kiess, R., dem Kneesebeck, O. von, Stirbu, I. & Kunst, A.E.: **Association between forgone care and household income among the elderly in five Western European countries - analyses based on survey data from the SHARE-study.** BMC Health Serv. Res. 9, 52 (2009).
- Mielck, A., Koller, D., Bayerl, B. & Spies, G.: **Luftverschmutzung und Lärmbelastung: Soziale Ungleichheiten in einer wohlhabenden Stadt wie München.** Sozialer Fortschritt 58 (2-3), 43-48 (2009).
- Mielck, A., Vogelmann, M., Schweikert, B. & Leidl, R.: **Gesundheitszustand bei Erwachsenen in Deutschland: Ergebnisse einer repräsentativen Befragung mit dem EuroQol 5D (EQ-5D).** Gesundheitswesen , DOI:10.1055/s-0029-1239508 (2009).
- Mielck, A.: **Umwelt-Gerechtigkeit: Plädoyer für die Weiterentwicklung der empirischen Methoden und Ergebnisse aus der Münchner APUG-Region.** Umweltgerechtigkeit - die soziale Verteilung von gesundheitsrelevanten Umweltbelastungen, Hornberg, C.; Pauli, A. [Eds.], Bielefeld : Arbeitsgruppe 7 Umwelt und Gesundheit, Fakultät für Gesundheitswissenschaften, Universität Bielefeld, 99-110 (2009).
- Mihaljevic, A.L., Calzada-Wack, J., Hölzlwimmer, G., Tost, M. & Esposito, I.: **Histopathological features of autoimmune pancreatitis.** Minerva Gastroenterol. Dietol. 54 (4), 365-374 (2008).
- Mihaljevic, A.L., Esposito, I., Michalski, C.W., Kleeff, J. & Friess, H.: **Defining new pancreatic tumour entities by molecular analysis.** Pancreatology 9 (4), 334-339 (2009).
- Milan, D.J. et al.: **Drug-sensitized zebrafish screen identifies multiple genes, including GINS3, as regulators of myocardial repolarization.** Circulation 120 (7), 553-559 (2009).
- Milani, V., Lorenz, M., Weinkauff, M., Rieken, M., Pastore, A., Dreyling, M. & Issels, R.: **Combination of hyperthermia and bortezomib results in additive killing in mantle cell lymphoma cells.** Int. J. Hyperthermia 25 (4), 262-272 (2009).
- Milani, V., Stangl, S., Issels, R., Gehrmann, M., Wagner, B., Hube, K., Mayr, D., Hiddemann, W., Molls, M. & Multhoff, G.: **Anti-tumor activity of patient-derived NK cells after cell-based immunotherapy - a case report.** J. Transl. Med. 7, 50 (2009).
- Milosevic, J., Bulau, P., Mortz, E. & Eickelberg, O.: **Subcellular fractionation of TGF- $\beta$  1-stimulated lung epithelial cells: A novel proteomic approach for identifying signaling intermediates.** Proteomics 9 (5), 1230-1240 (2009).
- Mindnich, R. & Adamski, J.: **Zebrafish 17 $\beta$ -hydroxysteroid dehydrogenases: An evolutionary perspective.** Mol. Cell. Endocrinol. 301 (1-2), 20-26 (2009).
- Möller, G. & Adamski, J.: **Integrated view on 17 $\beta$ -hydroxysteroid dehydrogenases.** Mol. Cell. Endocrinol. 301 (1-2), 7-19 (2009).
- Möller, G., Deluca, D., Gege, C., Rosinus, A., Kowalik, D., Peters, O., Droescher, P., Elger, W., Adamski, J. & Hillisch, A.: **Structure-based design, synthesis and in vitro characterization of potent 17  $\beta$ -hydroxysteroid dehydrogenase type 1 inhibitors based on 2-substitutions of estrone and d-homo-estrone.** Bioorg. Med. Chem. Lett. 19 (23), 6740-6744 (2009).

- 
- Möller, W., Felten, K., Meyer, G., Meyer, P., Seitz, J. & Kreyling, W.G.: **Corrections in dose assessment of <sup>99m</sup>Tc radiolabeled aerosol particles targeted to central human airways using planar gamma camera imaging.** *J. Aerosol Med. Pulm. Drug Deliv.* 22 (1), 45-54 (2009).
- Möller, W., Kreyling, W.G., Schmid, O., Semmler-Benke, M. & Schulz, H.: **Deposition, retention and clearance, and translocation of inhaled fine and nano-sized particles in the respiratory tract.** *Lung Biology in Health and Disease*, Vol. 241, Particle-Lung Interactions, Second Edition, Gehr, P. et al. [Eds.], London : Informa Healthcare, 79-107 (2009).
- Möller, W., Meyer, G., Scheuch, G., Kreyling, W.G. & Bennett, W.D.: **Left-to-right asymmetry of aerosol deposition after shallow bolus inhalation depends on lung ventilation.** *J. Aerosol Med. Pulm. Drug Deliv.* 22 (4), 333-339 (2009).
- Möller, W., Schuschnig, U., Meyer, G., Haussinger, K., Keller, M., Junge-Hülsing, B. & Mentzel, H.: **Ventilation and aerosolized drug delivery to the paranasal sinuses using pulsating airflow: A preliminary study.** *Rhinology* 47 (4), 405-412 (2009).
- Morais, V. et al.: **Parkinson's disease mutations in PINK1 result in decreased Complex I activity and deficient synaptic function.** *EMBO Mol. Med.* 1 (2), 99-111 (2009).
- Morales-Cid, G., Gebefügi, I., Kanawati, B., Harir, M., Hertkorn, N., Rosselló-Mora, R. & Schmitt-Kopplin, P.: **Automated microextraction sample preparation coupled on-line to FT-ICR-MS: application to desalting and concentration of river and marine dissolved organic matter.** *Anal. Bioanal. Chem.* 395 (3), 797-807 (2009).
- Morty, R.E., Königshoff, M. & Eickelberg, O.: **Transforming growth factor-beta signaling across ages: From distorted lung development to chronic obstructive pulmonary disease.** *Proc. Am. Thorac. Soc.* 6 (7), 607-613 (2009).
- Mueller, C.W., Brüggemann, N., Pritsch, K., Stoelken, G., Gayler, S., Winkler, J.B. & Kögel-Knabner, I.: **Initial differentiation of vertical soil organic matter distribution and composition under juvenile beech (*Fagus sylvatica* L.) trees.** *Plant Soil* 323 (1-2), 111-123 (2009).
- Mueller, M.T. et al.: **Combined targeted treatment to eliminate tumorigenic cancer stem cells in human pancreatic cancer.** *Gastroenterology* 137 (3), 1102-1113 (2009).
- Mullenders, L., Atkinson, M., Paretzke, H., Sabatier, L. & Bouffler, S.: **Assessing cancer risks of low-dose radiation.** *Nat. Rev. Cancer* 9 (8), 596-604 (2009).
- Müller, L.A. et al.: **A snapshot of the emerging tomato genome sequence.** *The Plant Genome* 2 (1), 78-92 (2009).
- Müller, M., Richter, K., Heuck, A., Kremmer, E., Buchner, J., Jansen, R.P. & Niessing, D.: **Formation of She2p tetramers is required for mRNA binding, mRNP assembly, and localization.** *RNA* 15 (11), 2002-2012 (2009).
- Müller, M., Ruf, E., Weinauer, F., Martin, S., Becker, C., Illig, T., Döring, A., Wichmann, H.E. & Rapp, S.: **The BSD Health Study: A pilot study to examine the comparability of Bavarian blood donors with the Bavarian general population by a comparison with KORA S4.** *Gesundheitswesen* 71 (8-9), 481-488 (2009).
- Multhoff, G.: **Activation of natural killer cells by heat shock protein 70.** *Int. J. Hyperthermia* 25 (3), 169-175 (2009).
- Mylius, V., Gerstner, A., Peters, M., Prokisch, H., Leonhardt, A., Hellwig, D. & Rosenow, F.: **Low-frequency rTMS of the premotor cortex reduces complex movement patterns in a patient with pantothenate kinase-associated neurodegenerative disease (PKAN).** *Neurophysiol. Clin.* 39 (1), 27-30 (2009).

- 
- Nappi, T.C., Salerno, P., Zitzelsberger, H., Carlomagno, F., Salvatore, G. & Santoro, M.: **Identification of Polo-like kinase 1 as a potential therapeutic target in anaplastic thyroid carcinoma.** *Cancer Res.* 69 (5), 1916-1923 (2009).
- Nassimi, M. et al.: **Low cytotoxicity of solid lipid nanoparticles in in vitro and ex vivo lung models.** *Inhal. Toxicol.* 21, 104-109 (2009).
- Neher, R.A., Mitkovski, M., Kirchhoff, F., Neher, E., Theis, F.J. & Zeug, A.: **Blind source separation techniques for the decomposition of multiply labeled fluorescence images.** *Biophys. J.* 96 (9), 3791-3800 (2009).
- Nelis, M. et al.: **Genetic structure of Europeans: a view from the North-East.** *PLoS ONE* 4, e5472 (2009).
- Neubauer, S., Holle, R., Menn, P. & Grässel, E.: **A valid instrument for measuring informal care time for people with dementia.** *Int. J. Geriatr. Psychiatr.* 24 (3), 275-282 (2009).
- Neufeld, C. et al.: **Structural basis for competitive interactions of Pex14 with the import receptors Pex5 and Pex19.** *EMBO J.* 28 (6), 745-754 (2009).
- Neumann, M. et al.: **Phosphorylation of S409/410 of TDP-43 is a consistent feature in all sporadic and familial forms of TDP-43 proteinopathies.** *Acta Neuropathol.* 117 (2), 137-149 (2009).
- Newton-Cheh, C. et al.: **Genome-wide association study identifies eight loci associated with blood pressure.** *Nat. Genet.* 41 (6), 666-676 (2009).
- Niedre M. & Ntziachristos, V.: **Complete angle small animal fluorescence imaging with early-arriving photons.** *Conf. Proc. IEEE Eng. Med. Biol. Soc.*, 6331-6334 (2009).
- Nikolaou, N., Watanabe-Asaka, T., Gerety, S., Distel, M., Köster, R.W. & Wilkinson, D.G.: **Lunatic fringe promotes the lateral inhibition of neurogenesis.** *Development* 136 (15), 2523-2533 (2009).
- Nischwitz, V. & Michalke, B.: **4th international conference on trace element speciation in biomedical, nutritional and environmental sciences.** *Anal. Bioanal. Chem.* 393 (2), 415-418 (2009).
- Nischwitz, V. & Michalke, B.: **Electrospray ionisation with selected reaction monitoring for the determination of Mn-citrate, Fe-citrate, Cu-citrate and Zn-citrate.** *Rapid Commun. Mass Spectrom.* 23, 2338-2346 (2009).
- Nitz, B., Heim, R., Schneppat, U.E., Hyman, I. & Haszprunar, G.: **Towards a new standard in slug species descriptions: the case of *Limax sarnensis* Heim & Nitz n. sp (Pulmonata: Limacidae) from the Western Central Alps.** *J. Molluscan Stud.* 75, 279-294 (2009).
- Noll, S., Hampp, G., Bausbacher, H., Pellegata, N.S. & Kranz, H.: **Site-directed mutagenesis of multi-copy-number plasmids: Red/ET recombination and unique restriction site elimination.** *Biotechniques* 46 (7), 527-533 (2009).
- Nolte, I.M. et al.: **Common genetic variation near the phospholamban gene is associated with cardiac repolarisation: Meta-analysis of three genome-wide association studies.** *PLoS ONE* 4 (7), e6138 (2009).
- Nordmann, S. et al.: **Atmospheric aerosol measurements in the German Ultrafine Aerosol Network (GUAN) - part 2: Comparison of measurements techniques for graphitic, light-absorbing, and elemental carbon, and non-volatile particle volume under field conditions.** *Gefahrst. Reinhalt. Luft* 69 (11/12), 469-474 (2009).

- 
- Noyes, H.A. et al.: **Mechanisms controlling anaemia in Trypanosoma congolense infected mice.** PLoS ONE 4 (4), e5170 (2009).
- Ntziachristos, V.: **Optical imaging of molecular signatures in pulmonary inflammation.** Proc. Am. Thorac. Soc., 416-418 (2009).
- Oeh, U., Li, B.W., Gerstmann, U., Giussani, A. & Paretzke, H.G.: **Background information about polonium-210 - considerations on its biokinetics and internal dosimetry.** Kerntechnik 74 (4), 196-200 (2009).
- Offenthaler, I. et al.: **PCDD/F and PCB in spruce forests of the Alps.** Environ. Pollut. 157 (12), 3280-3289 (2009).
- Offenthaler, I. et al.: **Novel sampling methods for atmospheric semi-volatile organic compounds (SOCs) in a high altitude alpine environment.** Environ. Pollut. 157 (12), 3290-3297 (2009).
- Offenthaler, I., Schröder, P. & Weiss, P.: **Phytochelatine und enzymatische Reaktionen in den Nadeln ausgesuchter Standorte.** Bioindikation durch Blatt- und Nadelanalysen von Bäumen im Raum Linz. REP-0110, Offenthaler, I. et al. [Eds.], Wien : Umweltbundesamt, 260-278 (2009).
- Ohnmacht, C., Pullner, A., King, S.B.S., Drexler, I., Meier, S., Brocker, T. & Voehringer, D.: **Constitutive ablation of dendritic cells breaks self-tolerance of CD4 T cells and results in spontaneous fatal autoimmunity.** J. Exp. Med. 206 (3), 549-559 (2009).
- Okamoto, N., Okamoto, M., Araki, S., Arakawa, H., Mizuta, R. & Kitamura, D.: **Possible contribution of DNase (gamma) to immunoglobulin V gene diversification.** Immunol. Lett. 125 (1), 22-30 (2009).
- Okay, O.S., Karacik, B., Basak, S., Henkelmann, B., Bernhöft, S. & Schramm, K.W.: **PCB and PCDD/F in sediments and mussels of the Istanbul strait (Turkey).** Chemosphere 76 (2), 159-166 (2009).
- Olbrich, M., Gerstner, E., Welzl, G., Winkler, J.B. & Ernst, D.: **Transcript responses in leaves of ozone-treated beech saplings seasons at an outdoor free air model fumigation site over two growing seasons.** Plant Soil 323 (1-2), 61-74 (2009).
- Olbrich, M., Welzl, G., Winkler, J.B., Häberle, K.-H. & Ernst, D.: **Transkriptlevel-Bestimmung in der Buche.** BIOSpektrum 15 (7), 747-749 (2009).
- Oliveira, A.L.M., Stoffels, M., Schmid, M., Reis, V.M., Baldani, J.I. & Hartmann, A.: **Colonization of sugarcane plantlets by mixed inoculations with diazotrophic bacteria.** Eur. J. Soil Biol. 45 (1), 106-113 (2009).
- Ongeri, D., Lalah, J., Wandiga, S., Schramm, K.W. & Michalke, B.: **Levels of toxic metals in multisectoral samples from Winam Gulf of Lake Victoria.** Bull. Environ. Contam. Toxicol. 82 (1), 64-69 (2009).
- Ongeri, D.M.K., Lalah, J.O., Wandiga, S.O., Schramm, K.W. & Michalke, B.: **Trace metals in Lates niloticus and Rastrineobola argentea samples for human consumption at Winam Gulf of Lake Victoria.** Toxicol. Environ. Chem. 91 (2), 233-240 (2009).
- Org, E. et al.: **Genome-wide scan identifies CDH13 as a novel susceptibility locus contributing to blood pressure determination in two European populations.** Hum. Mol. Genet. 18 (12), 2288-2296 (2009).
- Pairan, A. & Bruss, V.: **Functional surfaces of the hepatitis B virus capsid.** J. Virol. 83 (22), 11616-11623 (2009).

- 
- Panagiotakos, D.B. et al.: **Mediterranean diet and inflammatory response in myocardial infarction survivors.** *Int. J. Epidemiol.* 38 (3), 856-866 (2009).
- Pandelova, M.E., Levy Lopez, W., Kasham, S., Leclercq, C., Piccinelli, R. & Schramm, K.W.: **Assessment of energy intake of infants exclusively fed with infant formulae available on the European market.** *Int. J. Food Sci. Nutr.* 60, 212-219 (2009).
- Pandelova, M., Stanev, I., Henkelmann, B., Lenoir, D. & Schramm, K.W.: **Correlation of PCDD/F and PCB at combustion experiments using wood and hospital waste. Influence of (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> as additive on PCDD/F and PCB emissions.** *Chemosphere* 75 (5), 685-691 (2009).
- Pandya, M.J., Bendz, H., Manzenrieder, F., Noessner, E., Kessler, H., Buchner, J. & Issels, R.D.: **Interaction of human heat shock protein 70 with tumor-associated peptides.** *Biol. Chem.* 390 (4), 304-312 (2009).
- Paquet, D. et al.: **A zebrafish model of tauopathy allows in vivo imaging of neuronal cell death and drug evaluation.** *J. Clin. Invest.* 119 (5), 1382-1395 (2009).
- Paquet-Durand, F., Hauck, S.M., van Veen, T., Ueffing, M. & Ekström, P.: **PKG activity causes photoreceptor cell death in two retinitis pigmentosa models.** *J. Neurochem.* 108 (3), 796-810 (2009).
- Parry, D.A. et al.: **Loss of the metalloprotease ADAM9 leads to cone-rod dystrophy in humans and retinal degeneration in mice.** *Am. J. Hum. Genet.* 84 (5), 683-691 (2009).
- Paterson, A.H. et al.: **The Sorghum bicolor genome and the diversification of grasses.** *Nature* 457 (7229), 551-556 (2009).
- Pattaro, C. et al.: **Genome-wide linkage analysis of serum creatinine in three isolated European populations.** *Kidney Int.* 76 (3), 297-306 (2009).
- Perez-Balaguer, A., Puellas, E., Wurst, W. & Martinez, S.: **Shh dependent and independent maintenance of basal midbrain.** *Mech. Dev.* 126 (5-6), 301-313 (2009).
- Pérez-de-Mora, A., Schulz, S. & Schlöter, M.: **MPN- and real-time-based PCR methods for the quantification of alkane monooxygenase homologous genes (alkB) in environmental samples.** *Methods in Molecular Biology*; Vol. 599, *Bioremediation: Methods and Protocols*, Cummings, S.P. [Ed.], New York : Humana Press, 59-68 (2009).
- Peters, A.: **Air quality and cardiovascular health: Smoke and pollution matter.** *Circulation* 120 (11), 924-927 (2009).
- Peters, A., Breitner, S., Cyrys, J., Stölzel, M., Pitz, M., Wölke, G., Heinrich, J., Kreyling, W., Küchenhoff, H. & Wichmann, H.E.: **The influence of improved air quality on mortality risks in Erfurt, Germany.** HEI Research Report 137, Boston, MA : Health Effects Institute, 94 S. (2009).
- Peters, A. et al.: **Fibrinogen genes modify the fibrinogen response to ambient particulate matter.** *Am. J. Respir. Crit. Care Med.* 179 (6), 484-491 (2009).
- Peters, D.D., Lepikhov, K., Rodenacker, K., Marschall, S., Boersma, A., Hutzler, P., Scherb, H., Walter, J. & Hrabé Angelis, M. de: **Effect of IVF and laser zona dissection on DNA methylation pattern of mouse zygotes.** *Mamm. Genome* 20 (9-10), 664-673 (2009).

- 
- Petoussi-Henss, N., Schlattl, H., Zankl, M., Becker, J., Saito, K. & Endo, A.: **Organ doses from environmental exposures calculated using the ICRP Reference Male and Reference Female voxel phantoms.** Strengthening Radiation Protection Worldwide, IRPA 12 - 12th International Congress of the International Radiation Protection Association; 19-24 October 2008; Buenos Aires, 1-10 (2009).
- Petoussi-Henss, N., Zankl, M., Schlattl, H., Li, W.B. & Hoeschen, C.: **Simulation of beta-emitters for radiopharmaceutical dosimetry using voxel phantoms and Monte Carlo calculations.** IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], 280-283 (2009).
- Petrásek, J. et al.: **Do common genetic variants in endotoxin signaling pathway contribute to predisposition to alcoholic liver cirrhosis?** Clin. Chem. Lab. Med. 47 (4), 398-404 (2009).
- Pfeufer, A. et al.: **Common variants at ten loci modulate the QT interval duration in the QTSCD Study.** Nat. Genet. 41 (4), 407-414 (2009).
- Pham, T.T. et al.: **DJ-1-deficient mice show less TH-positive neurons in the ventral tegmental area and exhibit non-motoric behavioural impairments.** Genes Brain Behav. 9 (3), 305-317 (2010) [published online 2009].
- Picciotto, S., Forastiere, F., Pistelli, R., Koenig, W., Lanki, T., Ljungman, P., Pitsavos, C., Ruckerl, R., Sunyer, J. & Peters, A.: **Determinants of plasma interleukin-6 levels among survivors of myocardial infarction.** Eur. J. Cardiovasc. Prev. Rehabil. 15 (6), 631-638 (2008).
- Pinkenburg, O. et al.: **Recombinant adeno-associated virus-based gene transfer of cathelicidin induces therapeutic neovascularization preferentially via potent collateral growth.** Hum. Gene Ther. 20 (2), 159-167 (2009).
- Pinto, L.A., Depner, M., Steudemann, L., Klopp, N., Illig, T., Mutius, E. von & Kabesch, M.: **IL 15 gene variants are not associated with asthma and atopy.** Allergy 64 (4), 643-646 (2009).
- Pinto, L. et al.: **AP2gamma regulates basal progenitor fate in a region- and layer-specific manner in the developing cortex.** Nat. Neurosci. 12 (10), 1229-1237 (2009).
- Pirngruber, J., Shchebet, A., Schreiber, L., Shema, E., Minsky, N., Chapman, R.D., Eick, D., Aylon, Y., Oren, M. & Johnsen, S.A.: **CDK9 directs H2B monoubiquitination and controls replication-dependent histone mRNA 3'-end processing.** EMBO Rep. 10 (8), 894-900 (2009).
- Pockley, A.G., Calderwood, S.K. & Multhoff, G.: **The atheroprotective properties of Hsp70: A role for Hsp70-endothelial interactions?** Cell Stress Chaperones 14 (6), 545-553 (2009).
- Pogány, M., Rad, U. von, Grün, S., Dongó, A., Pintye, A., Simoneau, P., Bahnweg, G., Kiss, L., Barna, B. & Durner, J.: **Dual roles of reactive oxygen species and NADPH oxidase RBOHD in an Arabidopsis-Alternaria pathosystem.** Plant Physiol. 151 (3), 1459-1475 (2009).
- Porzolt, F. & Schreyögg, J.: **Scientific evidence and the cost of innovations in the health-care system. Die wissenschaftliche Evidenz und der Preis für Innovationen im Gesundheitssystem.** Med. Klin. 104 (8), 622-630 (2009).
- Prakash, N. et al.: **Nkx6-1 controls the identity and fate of red nucleus and oculomotor neurons in the mouse midbrain.** Development 136 (15), 2545-2555 (2009).

- 
- Prehn, C., Möller, G. & Adamski, J.: **Recent advances in 17{beta}-hydroxysteroid dehydrogenases**. *J. Steroid Biochem. Mol. Biol.* 114 (1-2), 72-77 (2009).
- Pretsch, W.: **Triosephosphate isomerase activity-deficient mice show haemolytic anaemia in homozygous condition**. *Genet. Res.* 91 (1), 1-4 (2009).
- Priesack, E. & Gayler, S.: **Agricultural crop models: Concepts of resource acquisition and assimilate partitioning**. *Progress in Botany* 70, Lüttge, U. et al. [Eds.], Berlin : Springer, 195-222 (2009).
- Prigarin, S.M., Hahn, K. & Winkler, G.: **Variational dimension of random sequences and its application**. *Numer. Anal. Appl.* 2 (4), 352-363 (2009).
- Prigarin, S.M., Kempe, A. & Winkler, G.: **Numerical characteristics of randomness for binary samples**. *Bull. Nov. Comp. Center* 14, 41-56 (2009).
- Prinzen, C., Trümbach, D., Wurst, W., Endres, K., Postina, R. & Fahrenholz, F.: **Differential gene expression in ADAM10 and mutant ADAM10 transgenic mice**. *BMC Genomics* 10, 66 (2008).
- Pritsch, K., Esperschütz, J., Haesler, F., Raidl, S., Winkler, B. & Schloter, M.: **Structure and activities of ectomycorrhizal and microbial communities in the rhizosphere of *Fagus sylvatica* under ozone and pathogen stress in a lysimeter study**. *Plant Soil* 323 (1-2), 97-109 (2009).
- Pröhl, G.: **Interception of dry and wet deposited radionuclides by vegetation**. *J. Environ. Radioact.* 100 (9), 675-682 (2009).
- Pröhl, G. & Ulanovsky, A.: **On the calculation of external radiation doses from 137Cs to frog phantoms in a wetland area**. *Radiat. Environ. Biophys.* 48 (2), 243-244 (2009).
- Prokopenko, I. et al.: **Variants in MTNR1B influence fasting glucose levels**. *Nat. Genet.* 41 (1), 77-81 (2009).
- Prommer, H., Anneser, B., Rolle, M., Einsiedl, F. & Griebler, C.: **Biogeochemical and isotopic gradients in a BTEX/PAH contaminant plume: Model-based interpretation of a high-resolution field data set**. *Environ. Sci. Technol.* 43 (21), 8206-8212 (2009).
- Puk, O., Dalke, C., Calzada-Wack, J., Ahmad, N., Klaften, M., Wagner, S., Hrabé Angelis, M. de & Graw, J.: **Reduced corneal thickness and enlarged anterior chamber in a novel *ColVIIIa2(G257D)* mutant mouse**. *Invest. Ophthalmol. Vis. Sci.* 50 (12), 5653-5661 (2009).
- Puk, O. et al.: **A new *Fgf10* mutation in the mouse leads to atrophy of the harderian gland and slit-eye phenotype in heterozygotes: a novel model for dry-eye disease?** *Invest. Ophthalmol. Vis. Sci.* 50 (9), 4311-4318 (2009).
- Raffegerst, S.H., Hoelzlwimmer, G., Kunder, S., Mysliwietz, J., Quintanilla-Martinez, L. & Schendel, D.J.: **Diverse hematological malignancies including hodgkin-like lymphomas develop in chimeric MHC class II transgenic mice**. *PLoS ONE* 4 (12), e8539 (2009).
- Rasche, F., Lüders, T., Schloter, M., Schaefer, S., Buegger, F., Gattinger, A., Hood-Nowotny, R.C. & Sessitsch, A.: **DNA-based stable isotope probing enables the identification of active bacterial endophytes in potatoes**. *New Phytol.* 181 (4), 802-807 (2009).

- 
- Rasiah, K.K. et al.: **HSD17B4 overexpression, an independent biomarker of poor patient outcome in prostate cancer.** *Mol. Cell. Endocrinol.* 301 (1-2), 89-96 (2009).
- Rathkolb, B. et al.: **Clinical chemistry of congenic mice with quantitative trait loci for predicted responses to *Trypanosoma congolense* infection.** *Infect. Immun.* 77 (9), 3948-3957 (2009).
- Rathmann, W., Strassburger, K., Heier, M., Holle, R., Thorand, B., Giani, G. & Meisinger, C.: **Incidence of Type 2 diabetes in the elderly German population and the effect of clinical and lifestyle risk factors: KORA S4/F4 cohort study.** *Diabetic Med.* 26 (12), 1212-1219 (2009).
- Ratzka, T., Schegerer, A.A., Leinert, C., Abraham, P., Henning, T., Herbst, T.M., Köhler, R., Wolf, S. & Zinnecker, H.: **Spatially resolved mid-infrared observations of the triple system T Tauri.** *Astron. Astrophys.* 502 (2), 623-646 (2009).
- Rausser, S., Höfler, H. & Walch, A.: **In-situ-Proteomanalyse von Geweben.** *Der Pathologe* 30, 140-145 (2009).
- Razansky, D., Baeten, J. & Ntziachristos, V.: **Sensitivity of molecular target detection by multispectral optoacoustic tomography (MSOT).** *Med. Phys.* 36 (3), 939-945 (2009).
- Razansky, D., Distel, M., Vinegoni, C., Ma, R., Perrimon, N., Köster, R.W. & Ntziachristos, V.: **Multispectral opto-acoustic tomography of deep-seated fluorescent proteins in vivo.** *Nat. Photonics* 3 (7), 412-417 (2009).
- Razansky, D., Vinegoni, C. & Ntziachristos, V.: **Deep tissue optoacoustic imaging of polarized structures.** *Proceedings of SPIE; Vol. 7177, Photons Plus Ultrasound: Imaging and Sensing 2009*, Alexander, A. et al. [Eds.], 71770M-71770M-5 (2009).
- Razansky, D., Vinegoni, C. & Ntziachristos, V.: **Imaging of mesoscopic-scale organisms using selective-plane optoacoustic tomography.** *Phys. Med. Biol.* 54 (9), 2769-2777 (2009).
- Razansky, D., Vinegoni, C. & Ntziachristos, V.: **Mesoscopic imaging of fluorescent proteins using multi-spectral optoacoustic tomography (MSOT).** *Proceedings of SPIE; Vol. 7177, Photons Plus Ultrasound: Imaging and Sensing 2009*, Alexander, A. et al. [Eds.], 71770D-71770D-6 (2009).
- Razansky, D., Vinegoni, C. & Ntziachristos, V.: **Unprecedented in vivo views at the mesoscopic scale.** *BioOptics World* 2 (4), 22-25 (2009).
- Reers, C., Erbel, S., Esposito, I., Schmied, B., Büchler, M.W., Nawroth, P.P. & Ritzel, R.A.: **Impaired islet turnover in human donor pancreata with aging.** *Eur. J. Endocrinol.* 160 (2), 185-191 (2009).
- Regulla, D.: **Alanine dosimetry - a versatile dosimetric tool.** *IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany*, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 478-481 (2009).
- Regulla, D., Wahl, W. & Hoeschen, C.: **Current radiation exposure of man - a comparison between digital imaging and environmental, workplace and accidental radiation burden.** *Strengthening Radiation Protection Worldwide, IRPA 12 - 12th International Congress of the International Radiation Protection Association; 19-24 October 2008; Buenos Aires*, 1-10 (2009).

- 
- Reincke, M. et al.: **Risk factors associated with a low glomerular filtration rate in primary aldosteronism.** J. Clin. Endocrinol. Metab. 94 (3), 869-875 (2009).
- Reindl, C. et al.: **CBL exon 8/9 mutants activate the FLT3 pathway and cluster in core binding factor/11q deletion acute myeloid leukemia/myelodysplastic syndrome subtypes.** Clin. Cancer Res. 15 (7), 2238-2247 (2009).
- Renström, J. et al.: **Secreted frizzled-related protein 1 extrinsically regulates cycling activity and maintenance of hematopoietic stem cells.** Cell Stem Cell 5 (2), 157-167 (2009).
- Reth, S., Graf, W., Reichstein, M. & Munch, J.C.: **Sustained stimulation of soil respiration after 10 years of experimental warming.** Environ. Res. Lett. 4 (2), 024005 (2009).
- Richards, J.B. et al.: **A genome-wide association study reveals variants in ARL15 that influence adiponectin levels.** PLoS Genet. 5 (12), e1000768 (2009).
- Richter, G.H.S. et al.: **EZH2 is a mediator of EWS/FLI1 driven tumor growth and metastasis blocking endothelial and neuro-ectodermal differentiation.** Proc. Natl. Acad. Sci. U.S.A. 106 (13), 5324-5329 (2009).
- Rieger, M.A., Hoppe, P.S., Smejkal, B.M., Eitelhuber, A.C. & Schroeder, T.: **Hematopoietic cytokines can instruct lineage choice.** Science 325 (5937), 217-218 (2009).
- Rieger, M.A. & Schroeder, T.: **Analyzing cell fate control by cytokines through continuous single cell biochemistry.** J. Cell. Biochem. 108 (2), 343-352 (2009).
- Rieger, M.A. & Schroeder, T.: **Instruction of lineage choice by hematopoietic cytokines.** Cell Cycle 8 (24), 4019-4020 (2009).
- Rieger, S., Senghaas, N., Walch, A. & Köster, R.W.: **Cadherin-2 controls directional chain migration of cerebellar granule neurons.** PLoS Biol. 7 (11), e1000240 (2009).
- Rieger, M.A., Smejkal, B.M. & Schroeder, T.: **Improved prospective identification of megakaryocyte-erythrocyte progenitor cells.** Br. J. Haematol. 144 (3), 448-451 (2009).
- Riepe, M.W., Mittendorf, T., Förstl, H., Frölich, L., Haupt, M., Leidl, R., Vauth, C. & Schulenburg, M.G. von der: **Quality of life as an outcome in Alzheimer's disease and other dementias - obstacles and goals.** BMC. Neurol. 9, 47 (2009).
- Risbrough, V.B., Geyer, M.A., Hauger, R.L., Coste, S., Stenzel-Poore, M., Wurst, W. & Holsboer, F.: **CRF1 and CRF2 receptors are required for potentiated startle to contextual but not discrete cues.** Neuropsychopharmacology 34 (6), 1494-1503 (2009).
- Rivera, F.J. et al.: **Mesenchymal stem cells promote oligodendroglial differentiation in hippocampal slice cultures.** Cell. Physiol. Biochem. 24 (3-4), 317-324 (2009).
- Robel, S., Mori, T., Zoubaa, S., Schlegel, J., Sirko, S., Faissner, A., Goebbels, S., Dimou, L. & Götz, M.: **Conditional deletion of  $\beta$ 1-integrin in astroglia causes partial reactive gliosis.** Glia 57 (15), 1630-1647 (2009).
- Rochat, M.K. et al.: **Maternal vitamin D intake during pregnancy increases gene expression of ILT3 and ILT4 in cord blood.** Clin. Exp. Allergy 40 (5), 789-794 (2010) [published online 2009].

- 
- Rodriguez, E., Baurecht, H., Herberich, E., Wagenpfeil, S., Brown, S.J., Cordell, H.J., Irvine, A.D. & Weidinger, S.: **Meta-analysis of filaggrin polymorphisms in eczema and asthma: robust risk factors in atopic disease.** *J. Allergy Clin. Immunol.* 123 (6), 1361-1370 (2009).
- Roelfstra, L., Deeg, C.A., Hauck, S.M., Buse, C., Membrez, M., Betschart, B. & Pfister, K.: **Protein expression profile of *Gasterophilus intestinalis* larvae causing horse gastric myiasis and characterization of horse immune reaction.** *Parasit. Vectors* 2, 6 (2009).
- Rogowski, W.H.: **The cost-effectiveness of screening for hereditary hemochromatosis in Germany: a remodeling study.** *Med. Decis. Making* 29 (2), 224-238 (2009).
- Rogowski, W., Burch, J., Palmer, S., Craigs, C., Golder, S. & Woolacott, N.: **The effect of different treatment durations of clopidogrel in patients with non-ST-segment elevation acute coronary syndromes: a systematic review and value of information analysis.** *Health Technol. Assess.* 13 (31), iii-iv (2009).
- Rogowski, W.H., Grosse, S.D. & Khoury, M.J.: **Challenges of translating genetic tests into clinical and public health practice.** *Nat. Rev. Genet.* 10 (7), 489-495 (2009).
- Rogowski, W.H., Landauer, M. & John, J.: **Decision-analytical modelling of costs per QALY in the context of the German Social Law.** *Gesundheitswesen* 71 (11), 739-750 (2009).
- Rogowski, W. & Langer, A.: **Gentests und deren Einsatz für Reihenuntersuchungen aus gesundheitsökonomischer Perspektive.** *Gendiagnostik in Deutschland. Problemerkundung und Status quo. Supplement zum Gentechnologiebericht. Interdisziplinäre Arbeitsgruppen - Forschungsberichte; Band 18, Schmidtke, J. et al. [Eds.], Berlin : Berlin-Brandenburgische Akademie der Wissenschaften.*
- Roselli, F., Hutzler, P., Wegerich, Y., Livrea, P. & Almeida, O.F.: **Disassembly of shank and homer synaptic clusters is driven by soluble beta-amyloid(1-40) through divergent NMDAR-dependent signalling pathways.** *PLoS ONE* 4 (6), e6011 (2009).
- Rosemann, M. et al.: **Microphthalmia, parkinsonism, and enhanced nociception in *Pitx3* (416insG) mice.** *Mamm. Genome* 21 (1-2), 13-27 (2010) [published online 2009].
- Rosenberg, K., Bertaux, J., Krome, K., Hartmann, A., Scheu, S. & Bonkowski, M.: **Soil amoebae rapidly change bacterial community composition in the rhizosphere of *Arabidopsis thaliana*.** *ISME J.* 3 (6), 675-684 (2009).
- Rosenthal A., Razansky D. & Ntziachristos V.: **Quantitative optoacoustic signal extraction using sparse signal representation.** *IEEE Trans. Med. Imaging* 28 (12), 1997-2006 (2009).
- Røsland, G.V. et al.: **Long-term cultures of bone marrow-derived human mesenchymal stem cells frequently undergo spontaneous malignant transformation.** *Cancer Res.* 69 (13), 5331-5339 (2009).
- Rothballer, M., Schmid, M. & Hartmann, A.: **Diazotrophic bacterial endophytes in gramineae and other plants.** *Microbiology Monographs; Vol 8, Prokaryotic Symbionts in Plants, Pawlowski, K. [Ed.], Heidelberg : Springer, 273-302 (2009).*
- Roy, B., Shukla, S., Stoermann, B., Kremmer, E., Düber, S. & Weiss, S.: **Loss of  $\lambda$ 2(315) transgene copy numbers influences the development of B1 cells.** *Mol. Immunol.* 46 (7), 1542-1550 (2009).

- 
- Rubio-Aliaga, I. et al.: **Dll1 haploinsufficiency in adult mice leads to a complex phenotype affecting metabolic and immunological processes.** PLoS ONE 4 (6), e6054 (2009).
- Rückerl, R. et al.: **Determinants of the acute-phase protein C-reactive protein in myocardial infarction survivors: The role of comorbidities and environmental factors.** Clin. Chem. 55 (2), 322-335 (2009).
- Ruehr, N.K., Offermann, C.A., Gessler, A., Winkler, J.B., Ferrio, J.P., Buchmann, N. & Barnard, R.L.: **Drought effects on allocation of recent carbon: From beech leaves to soil CO<sub>2</sub> efflux.** New Phytol. 184 (4), 950-961 (2009).
- Rühm, W., Mares, V., Pioch, C., Simmer, G. & Weitzenegger, E.: **Continuous measurement of secondary neutrons from cosmic radiation at mountain altitudes and close to the north pole - a discussion in terms of H\*(10).** Radiat. Prot. Dosim. 136 (4), 256-261 (2009).
- Rühm, W., Mares, V., Pioch, C., Weitzenegger, E., Vockenroth, R. & Paretzke, H.G.: **Measurements of secondary neutrons from cosmic radiation with a Bonner sphere spectrometer at 79A degrees N.** Radiat. Environ. Biophys. 48 (2), 125-133 (2009).
- Rutsch F. et al.: **Hypophosphatemia, hyperphosphaturia, and bisphosphonate treatment are associated with survival beyond infancy in generalized arterial calcification of infancy.** Circ. Cardiovasc. Genet. 1 (2), 133-40 (2008).
- Rybak, A., Fuchs, H., Hadian, K., Smirnova, L., Wulczyn, E.A., Michel, G., Nitsch, R., Krappmann, D. & Wulczyn, F.G.: **The let-7 target gene mouse lin-41 is a stem cell specific E3 ubiquitin ligase for the miRNA pathway protein Ago2.** Nat. Cell. Biol. 11 (12), 1411-1420 (2009).
- Rzehak, P., Heinrich, J., Klopp, N., Schaeffer, L., Hoff, S., Wolfram, G., Illig, T. & Linseisen, J.: **Evidence for an association between genetic variants of the fatty acid desaturase 1 fatty acid desaturase 2 ( FADS1 FADS2) gene cluster and the fatty acid composition of erythrocyte membranes.** Br. J. Nutr. 101 (1), 20-26 (2009).
- Rzehak, P. et al.: **Period-specific growth, overweight and modification by breastfeeding in the GINI and LISA birth cohorts up to age 6 years.** Eur. J. Epidemiol. 24 (8), 449-467 (2009).
- Rzehak, P. et al.: **Short- and long-term effects of feeding hydrolyzed protein infant formulas on growth at ≤ 6 y of age: results from the German Infant Nutritional Intervention Study.** Am. J. Clin. Nutr. 89 (6), 1846-1856 (2009).
- Sadauskas, E., Jacobsen, N.R., Danscher, G., Stoltenberg, M., Vogel, U., Larsen, A., Kreyling, W. & Wallin, H.: **Biodistribution of gold nanoparticles in mouse lung following intratracheal instillation.** Chem. Cent. J. 3, 16 (2009).
- Sagan, D., Müller, R., Kröger, C., Hematulin, A., Mörtl, S. & Eckardt-Schupp, F.: **The DNA repair protein NBS1 influences the base excision repair pathway.** Carcinogenesis 30 (3), 408-415 (2009).
- Sahoo, S.K., Muramatsu, Y., Yoshida, S., Matsuzaki, H. & Rühm, W.: **Determination of I-129 and I-127 concentration in soil samples from the Chernobyl 30-km zone by AMS and ICP-MS.** J. Radiat. Res. 50 (4), 325-332 (2009).
- Salanti, G. et al.: **Underlying genetic models of inheritance in established type 2 diabetes associations.** Am. J. Epidemiol. 170 (5), 537-545 (2009).

- 
- Sato, T., Endo, A., Zankl, M., Petoussi-Henss, N. & Niita, K.: **Fluence-to-dose conversion coefficients for neutrons and protons calculated using the PHITS code and ICRP/ICRU adult reference computational phantoms.** Phys. Med. Biol. 54 (7), 1997-2014 (2009).
- Sausenthaler, S., Rzehak, P., Wichmann, H.E. & Heinrich, J.: **Lack of relation between bitter taste receptor TAS2R38 and BMI in adults.** Obesity 17 (5), 937-938 (2009).
- Sausenthaler, S. et al.: **Stress-related maternal factors during pregnancy in relation to childhood eczema: results from the LISA study.** J. Invest. Allerg. Clin. Immunol. 19 (6), 481-487 (2009).
- Schaefer, A., Unterberger, C., Frankenberger, M., Lohrum, M., Staples, K.J., Werner, T., Stunnenberg, H. & Ziegler-Heitbrock, L.: **Mechanism of interferon-gamma mediated down-regulation of interleukin-10 gene expression.** Mol. Immunol. 46 (7), 1351-1359 (2009).
- Schäfer, T., Merkl, J., Klemm, E., Wichmann, H.E. & Ring, J.: **We and our pets: allergic together?** Acta. Vet. Hung. 56 (2), 153-161 (2009).
- Scharf, A.N., Meier, K., Seitz, V., Kremmer, E., Brehm, A. & Imhof, A.: **Monomethylation of lysine 20 on histone H4 facilitates chromatin maturation.** Mol. Cell. Biol. 29 (1), 57-67 (2009).
- Schauss, K. et al.: **Analysis, fate and effects of the antibiotic sulfadiazine in soil ecosystems.** Trends Analyt. Chem. 28 (5), 2077-2081 (2009).
- Schauss, K. et al.: **Dynamics and functional relevance of ammonia-oxidizing archaea in two agricultural soils.** Environ. Microbiol. 11 (2), 446-456 (2009).
- Schedel, M., Frei, R., Bieli, C., Cameron, L., Adamski, J., Lauener, R. & Kabesch, M.: **An IgE-associated polymorphism in STAT6 alters NF- $\kappa$ B binding, STAT6 promoter activity, and mRNA expression.** J. Allergy Clin. Immunol. 124 (3), 583-589 (2009).
- Schegerer, A.A., Brunner, C., Schlattl, H., Renger, B., Dietz, W. & Hoeschen, C.: **Innovative method for objective evaluations of the quality of CT systems.** IFMBE Proceedings, Vol. 25/II, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 421-424 (2009).
- Schegerer, A.A., Wolf, S., Hummel, C.A., Quanz, S.P. & Richichi, A.: **Tracing the potential planet-forming regions around seven pre-main-sequence stars.** Astron. Astrophys. 502 (1), 367-383 (2009).
- Scheller, H., Tobollik, S., Kutzera, A., Eder, M., Unterlehberg, J., Pfeil, I. & Jungnickel, B.: **c-Myc overexpression promotes a germinal center-like program in Burkitt's lymphoma.** Oncogene 29 (6), 888-897 (2010) [published online 2009].
- Schiller, C., Nitschke, M.J.E., Seidl, A., Kremmer, E. & Weiss, E.H.: **Rat monoclonal antibodies specific for LST1 proteins.** Hybridoma 28 (4), 281-286 (2009).
- Schilling, D., Gehrmann, M., Steinem, C., Maio, A. de, Pockley, A.G., Abend, M., Molls, M. & Multhoff, G.: **Binding of heat shock protein 70 to extracellular phosphatidylserine promotes killing of normoxic and hypoxic tumor cells.** FASEB J. 23 (8), 2467-2477 (2009).

- Schlachter, K. et al.: **A splice site variant in the sodium channel gene SCN1A confers risk of febrile seizures.** *Neurology* 72 (11), 974-978 (2009).
- Schlattl, H., Zankl, M. & Hoeschen, C.: **Implementation of tube current modulation in CT dose computations with voxel models.** IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 329-332 (2009).
- Schlöter, M.: **Bedeutung der Mikroflora für die Bodenqualität. Ableitung einer Monitoringstrategie zur Erfassung von Effekten genetisch veränderter Pflanzen auf Böden.** *Gefahrst. Reinhalt. Luft* 69 (10), 395-399 (2009).
- Schlöter, M.: **Mikrobielle Prozesse als Basis für die Emission klimarelevanter Spurengase aus landwirtschaftlich genutzten Böden.** *Rundgespräche der Kommission für Ökologie*, Bd.35, Humus in Böden, München : Pfeil, 69-76 (2009).
- Schlöter, M. & Matyssek, R.: **Tuning growth versus defence-belowground interactions and plant resource allocation.** *Plant Soil* 323 (1-2), 1-5 (2009).
- Schmid, D.: **Scattered data approximation on the rotation group and generalizations.** Aachen : Shaker Verlag, 130 S. (2009).
- Schmid, O., Chand, D., Karg, E., Guyon, P., Frank, G.P., Swietlicki, E. & Andreae, M.O.: **Derivation of the density and refractive index of organic matter and elemental carbon from closure between physical and chemical aerosol properties.** *Environ. Sci. Technol.* 43 (4), 1166-1172 (2009).
- Schmid, M., Iversen, C., Gontia, I., Stephan, R., Hofmann, A., Hartmann, A., Jha, B., Eberl, L., Riedel, K. & Lehner, A.: **Evidence for a plant-associated natural habitat for Cronobacter spp.** *Res. Microbiol.* 160 (8), 608-614 (2009).
- Schmid, O., Möller, W., Semmler-Behnke, M., Ferron, G.A., Karg, E., Lipka, J., Schulz, H., Kreyling, W.G. & Stöger, T.: **Dosimetry and toxicology of inhaled ultrafine particles.** *Biomarkers* 14, 67-73 (2009).
- Schmidt, T., Mewes, H.W. & Stümpflen, V.: **A novel putative miRNA target enhancer signal.** *PLoS ONE* 4 (7), e6473 (2009).
- Schmitt-Kopplin, P.: **CE-MS 2009.** *Electrophoresis* 30 (10), 1609 (2009).
- Schnabel, E. et al.: **Burden of otitis media and pneumonia in children up to 6 years of age: Results of the LISA birth cohort.** *Eur. J. Pediatr.* 168 (10), 1251-1257 (2009).
- Schnabel, E., Sausenthaler, S., Liese, J., Herbarth, O., Borte, M., Schaaf, B., Kramer, U., Berg, A. von, Wichmann, H.E. & Heinrich, J.: **Hospital admission in children up to the age of 2 years.** *Eur. J. Pediatr.* 168 (8), 925-931 (2009).
- Schnappinger, M., Sausenthaler, S., Linseisen, J., Hauner, H. & Heinrich, J.: **Fish consumption, allergic sensitisation and allergic diseases in adults.** *Ann. Nutr. Metab.* 54 (1), 67-74 (2009).
- Schneider, M. et al.: **Mitochondrial glutathione peroxidase 4 disruption causes male infertility.** *FASEB J.* 23 (9), 3233-3242 (2009).
- Schneider, F. et al.: **NPM1 but not FLT3-ITD mutations predict early blast cell clearance and CR rate in patients with normal karyotype AML (NK-AML) or high-risk myelodysplastic syndrome (MDS).** *Blood* 113 (21), 5250-5253 (2009).

- 
- Schöfer, F.H. & Hoeschen, C.: **Quality assurance in digital volume tomography**. IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 66-69 (2009).
- Schofield, P.N. et al.: **Post-publication sharing of data and tools**. Nature 461 (7261), 171-173 (2009).
- Scholz, S.W. et al.: **SNCA variants are associated with increased risk for multiple system atrophy**. Ann. Neurol. 65 (5), 610-614 (2009).
- Schön, U., Diem, O., Leitner, L., Günzburg, W.H., Mager, D.L., Salmons, B. & Leib-Mösch, C.: **Human endogenous retroviral long terminal repeat sequences as cell type-specific promoters in retroviral vectors**. J. Virol. 83 (23), 12643-12650 (2009).
- Schramm, E. et al.: **Trace detection of organic compounds in complex sample matrixes by single photon ionization ion trap mass spectrometry: real-time detection of security-relevant compounds and online analysis of the coffee-roasting process**. Anal. Chem. 81 (11), 4456-4467 (2009).
- Schreyögg, J., Bäuml, M. & Busse, R.: **Balancing adoption and affordability of medical devices in Europe**. Health Policy 92 (2-3), 218-224 (2009).
- Schreyögg, J. & Grabka, M.M.: **Copayments for ambulatory care in Germany: A natural experiment using a difference-in-difference approach**. Eur. J. Health. Econ. 11 (3), 331-341 (2009) [published online 2009].
- Schröder, P., Lyubanova, L. & Huber, C.: **Do heavy metals and metalloids influence the detoxification of organic xenobiotics in plants?** Environ. Sci. Pollut. Res. 16 (7), 795-804 (2009).
- Schrödl, S.J.: **Operator-valued reproducing kernels and their application in approximation and statistical learning**. Aachen : Shaker Verlag, 122 S. (2009).
- Schuhmacher-Wolz, U., Dieter, H.H., Klein, D. & Schneider, K.: **Oral exposure to inorganic arsenic: evaluation of its carcinogenic and non-carcinogenic effects**. Crit. Rev. Toxicol. 39 (4), 271-298 (2009).
- Schulz, D.M., Böllner, C., Thomas, G., Atkinson, M., Esposito, I., Höfler, H. & Aubele, M.: **Identification of differentially expressed proteins in triple-negative breast carcinomas using DIGE and mass spectrometry**. J. Proteome Res. 8 (7), 3430-3438 (2009).
- Schunk, M., Schweikert, B., Gapp, O., Reitmeir, P., Meisinger, C., Mielck, A. & Holle, R.: **Time trends in type 2 diabetes patients' disease management and outcomes: evidence from two KORA surveys in Germany**. Exp. Clin. Endocrinol. Diabet. 117 (2), 88-94 (2009).
- Schweikert, B., Hunger, M., Meisinger, C., König, H.H., Gapp, O. & Holle, R.: **Quality of life several years after myocardial infarction: comparing the MONICA/KORA registry to the general population**. Eur. Heart J. 30 (4), 436-443 (2009).
- Schwientek, M., Maloszewski, P. & Einsiedl, F.: **Effect of the unsaturated zone thickness on the distribution of water mean transit times in a porous aquifer**. J. Hydrol. 373 (3-4), 516-526 (2009).
- Schwitzguébel, J.P. & Schröder, P.: **Phytotechnologies to promote sustainable land use and improve food safety: Outcomes and outlook from the European COST Action 859**. Environ. Sci. Pollut. Res. 16 (7), 743-744 (2009).

- 
- Seidenbusch, M.C., Regulla, D. & Schneider, K.: **Radiation exposure of children in pediatric radiology. Part 3: Conversion coefficients for reconstruction of organ doses achieved during chest X-ray examinations.** *RöFo* 180 (12), 1061-1081 (2008).
- Seidenbusch, M.C., Regulla, D. & Schneider, K.: **Radiation exposure of children in pediatric radiology. Part 6: Conversion factors for reconstruction of organ dose in abdominal radiography.** *RoFo* 181 (10), 945-961 (2009).
- Selesi, D. & Meckenstock, R.U.: **Anaerobic degradation of the aromatic hydrocarbon biphenyl by a sulfate-reducing enrichment culture.** *FEMS Microbiol. Ecol.* 68 (1), 86-93 (2009).
- Senghaas, N. & Köster, R.W.: **Culturing and transfecting zebrafish PAC2 fibroblast cells.** *Cold. Spring. Harb. Protoc.* 4 (6), 1-7 (2009).
- Seppelt, R., Kühn, I., Klotz, S., Frank, K., Schloter, M., Auge, H., Kabisch, S., Görg, C. & Jax, K.: **Land use options - strategies and adaptation to global change: terrestrial environmental research.** *GAIA* 18 (1), 77-80 (2009).
- Seth, S., Georgoudaki, A.M., Chambers, B.J., Qiu, Q., Kremmer, E., Maier, M.K., Czeloth, N., Ravens, I., Foerster, R. & Bernhardt, G.: **Heterogeneous expression of the adhesion receptor CD226 on murine NK and T cells and its function in NK-mediated killing of immature dendritic cells.** *J. Leukoc. Biol.* 86 (1), 91-101 (2009).
- Seth, S., Ravens, I., Kremmer, E., Maier, M.K., Hadis, U., Hardtke, S., Förster, R. & Bernhardt, G.: **Abundance of follicular helper T cells in Peyer's patches is modulated by CD155.** *Eur. J. Immunol.* 39 (11), 3160-3170 (2009).
- Sharma, M., Lichtner, P., Kruger, R., Berg, D., Schulte, C., Illig, T., Riess, O. & Gasser, T.: **Further delineation of the association signal on chromosome 5 from the first whole genome association study in Parkinson's disease.** *Neurobiol. Aging* 30 (10), 1706-1709 (2009).
- Shen, H., Henkelmann, B., Levy, W., Zsolnay, A., Weiss, P., Jakobi, G., Kirchner, M., Moche, W., Braun, K. & Schramm, K.W.: **Altitudinal and chiral signature of persistent organochlorine pesticides in air, soil, and spruce needles (*Picea abies*) of the Alps.** *Environ. Sci. Technol.* 43 (7), 2450-2455 (2009).
- Shershakov, V., Fesenko, S., Kryshev, I. & Semioshkina, N.: **Decision-aiding tools for remediation strategies.** *Radioactivity in the Environment, Vol. 14, Remediation of Contaminated Environments*, Oxford, UK : Elsevier Ltd., 121-175 (2009).
- Shyla, A. et al.: **Allelic loss of chromosomes 8 and 19 in MENX-associated rat pheochromocytoma.** *Int. J. Cancer* 126 (10), 2362-2372 (2010) [published online 2009].
- Sigurdardottir, A.G., Arnórsdóttir, J., Thorbjarnardóttir, S.H., Eggertsson, G., Suhre, K. & Kristjánsson, M.M.: **Characteristics of mutants designed to incorporate a new ion pair into the structure of a cold adapted subtilisin-like serine proteinase.** *BBA - Proteins Proteomics* 1794 (3), 512-518 (2009).
- Silari, M. et al.: **Intercomparison of radiation protection devices in a high-energy stray neutron field. Part III: Instrument response.** *Radiat. Meas.* 44 (7-8), 673-691 (2009).
- Silberstein, S., Vogl, A.M., Refojo, D., Senin, S.A., Wurst, W., Holsboer, F., Deussing, J.M. & Arzt, E.: **Amygdaloid pERK1/2 in corticotropin-releasing hormone overexpressing mice under basal and acute stress conditions.** *Neuroscience* 159 (2), 610-617 (2009).

- 
- Silberstein, S., Vogl, A.M., Bonfiglio, J.J., Wurst, W., Holsboer, F., Arzt, E., Deussing, J.M. & Refojo, D.: **Immunology, signal transduction, and behavior in hypothalamic-pituitary-adrenal axis-related genetic mouse models.** *Ann. N.Y. Acad. Sci.* 1153, 120-130 (2009).
- Simon-Sanchez, J. et al.: **Genome-wide association study reveals genetic risk underlying Parkinson's disease.** *Nat. Genet.* 41 (12), 1308-1314 (2009).
- Sinner, M.F. et al.: **Spontaneous Brugada electrocardiogram patterns are rare in the German general population: Results from the KORA study.** *Europace* 11 (10), 1338-1344 (2009).
- Slama, R., Cyrys, J., Herbarth, O., Wichmann, H.E. & Heinrich, J.: **A further plea for rigorous science and explicit disclosure of potential conflicts of interest.** *Arch. Toxicol.* 83 (4), 293-295 (2009).
- Slama, R. et al.: **Maternal personal exposure to airborne benzene and intrauterine growth.** *Environ. Health Perspect.* 117 (8), 1313-1321 (2009).
- Smialowski, P., Frishman, D. & Kramer, S.: **Pitfalls of supervised feature selection.** *Bioinformatics* 26 (3), 440-443 (2010) [published online 2009].
- Smolders, R., Schramm, K.W., Nickmilder, M. & Schoeters, G.: **Applicability of non-invasively collected matrices for human biomonitoring.** *Environ. Health* 8, 8 (2009).
- Snappyan, M. et al.: **Vasculature guides migrating neuronal precursors in the adult mammalian forebrain via brain-derived neurotrophic factor signaling.** *J. Neurosci.* 29 (13), 4172-4188 (2009).
- Söber, S. et al.: **Targeting 160 candidate genes for blood pressure regulation with a genome-wide genotyping array.** *PLoS ONE* 4 (6), e6034 (2009).
- Soehn A.S. et al.: **Periphilin is a novel interactor of synphilin-1, a protein implicated in Parkinson's disease.** *Neurogenetics* 11 (2), 203-215 (2010) [published online 2009].
- Soehn, A.S., Pham, T.T., Schaeferhoff, K., Floss, T., Weisenhorn, D.M., Wurst, W., Bonin, M. & Riess, O.: **Periphilin is strongly expressed in the murine nervous system and is indispensable for murine development.** *Genesis* 47 (10), 697-707 (2009).
- Soewarto, D., Klafren, M. & Rubio-Aliaga, I.: **Features and strategies of ENU mouse mutagenesis.** *Curr. Pharm. Biotechnol.* 10 (2), 198-213 (2009).
- Sölder, E., Kremser, C., Rohr, I., Hutzler, P. & Debbage, P.: **Molecular mapping deep within a living human organ: analysis of microvessel function on the timescale of seconds and with sub-micrometre spatial resolution.** *Histochem. Cell Biol.* 131 (5), 537-551 (2009).
- Sölder, E., Rohr, I., Kremser, C., Hutzler, P. & Debbage, P.L.: **Imaging of placental transport mechanisms: a review.** *Eur. J. Obstet. Gynecol. Reprod. Biol.* 144, S114-S120 (2009).
- Soranzo, N. et al.: **A novel variant on chromosome 7q22.3 associated with mean platelet volume, counts, and function.** *Blood* 113 (16), 3831-3837 (2009).
- Soranzo, N. et al.: **A genome-wide meta-analysis identifies 22 loci associated with eight hematological parameters in the HaemGen consortium.** *Nat. Genet.* 41 (11), 1182-1190 (2009).

- 
- Spyroglou, A., Manolopoulou, J., Wagner, S., Bidlingmaier, M., Reincke, M. & Beuschlein, F.: **Short term regulation of aldosterone secretion after stimulation and suppression experiments in mice.** *J. Mol. Endocrinol.* 42, 407-413 (2009).
- Stahl, S., Sacher, T., Bechtold, A., Protzer, U., Ganss, R., Hämmerling, G.J., Arnold, B. & Garbi, N.: **Tumor agonist peptides break tolerance and elicit effective CTL responses in an inducible mouse model of hepatocellular carcinoma.** *Immunol. Lett.* 123 (1), 31-37 (2009).
825. Stahl, R., Wang, T.T., Lindner, L.H., Abdel-Rahman, S., Santl, M., Reiser, M.F. & Issels, R.D.: **Comparison of radiological and pathohistological response to neoadjuvant chemotherapy combined with regional hyperthermia (RHT) and study of response dependence on the applied thermal parameters in patients with soft tissue sarcomas (STS).** *Int. J. Hyperthermia* 25 (4), 289-298 (2009).
- Stargardt, T., Gonder-Frederick, L., Krobot, K.J. & Alexander, C.M.: **Fear of hypoglycaemia: Defining a minimum clinically important difference in patients with type 2 diabetes.** *Health Qual. Life Outcomes* 7, 91 (2009).
- Stark, K., Reinhard, W., Grassl, M., Erdmann, J., Schunkert, H., Illig, T. & Hengstenberg, C.: **Common polymorphisms influencing serum uric acid levels contribute to susceptibility to gout, but not to coronary artery disease.** *PLoS ONE* 4 (11), e7729 (2009).
- Stark, R., Schunk, M., Leidl, R., Meisinger, C. & Holle, R.: **Prozeßevaluation von Disease Management Programmen bei Typ 2 Diabetes auf Basis einer bevölkerungsrepräsentativen Studie in der Region Augsburg (KORA).** *BFuP* 61 (3), 283-302 (2009).
- Stemberger, C., Neuenhahn, M., Buchholz, V.R. & Busch, D.H.: **Origin of CD8+ effector and memory T cell subsets.** *Cell. Mol. Immunol.* 4 (6), 399-405 (2007).
- Stemberger, C., Neuenhahn, M., Gebhardt, F.E., Schiemann, M., Buchholz, V.R. & Busch, D.H.: **Stem cell-like plasticity of naïve and distinct memory CD8+ T cell subsets.** *Semin. Immunol.* 21 (2), 62-68 (2009).
- Stephan, H., Concannon, C., Kremmer, E., Carty, M.P. & Nasheuer, H.P.: **Ionizing radiation-dependent and independent phosphorylation of the 32-kDa subunit of replication protein A during mitosis.** *Nucleic Acids Res.* 37 (18), 6028-6041 (2009).
- Steube, C., Richter, S. & Griebler, C.: **First attempts towards an integrative concept for the ecological assessment of groundwater ecosystems.** *Hydrogeol. J.* 17 (1), 23-35 (2009).
- Steuernagel, B. et al.: **De novo 454 sequencing of barcoded BAC pools for comprehensive gene survey and genome analysis in the complex genome of barley.** *BMC Genomics* 10, 547 (2009).
- Stoeger, T. & Schmid, O.: **Dose-response relationships.** *Particle-Lung Interactions. Second Edition, Vol. 241,* Gehr, P. et al. [Eds.], New York : Informa healthcare, 288-303 (2009).
- Stoeger, T., Takenaka, S., Frankenberger, B., Ritter, B., Karg, E., Maier, K., Schulz, H. & Schmid, O.: **Deducing in vivo toxicity of combustion-derived nanoparticles from a cell-free oxidative potency assay and metabolic activation of organic compounds.** *Environ. Health Perspect.* 117 (1), 54-60 (2009).
- Stollenwerk, B. & Brunner, H.: **Weiterführende Methoden.** *Gesundheitsökonomie: Lehrbuch für Mediziner und andere Gesundheitsberufe; 2. Auflage 2009,* Lauterbach, K.W.; Stock, S.; Brunner, H. [Eds.], Bern : Verlag Hans Huber, Hogrefe AG, 315-336 (2009).

- 
- Stollenwerk, B., Gerber, A., Lauterbach, K.W. & Siebert, U.: **The german coronary artery disease risk screening model: Development, validation, and application of a decision-analytic model for coronary artery disease prevention with statins.** Med. Decis. Making 29 (5), 619-633 (2009).
- Stollenwerk, B., Stock, S., Siebert, U., Lauterbach, K.W. & Holle, R.: **Uncertainty assessment of input parameters for economic evaluation: Gauss's error propagation, an alternative to established methods.** Med. Decis. Making 30 (3), 304-313 (2010) [published online 2009].
- Streibel, T., Fendt, A., Geissler, R., Kaisersberger, E., Denner, T. & Zimmermann, R.: **Thermal analysis/mass spectrometry using soft photo-ionisation for the investigation of biomass and mineral oils.** J. Therm. Anal. Calorim. 97 (2), 615-619 (2009).
- Streibel, T., Geißler, R., Saraji-Bozorgzad, M., Sklorz, M., Kaisersberger, E., Denner, T. & Zimmermann, R.: **Evolved gas analysis (EGA) in TG and DSC with single photon ionisation mass spectrometry (SPI-MS): molecular organic signatures from pyrolysis of soft and hard wood, coal, crude oil and ABS polymer.** J. Therm. Anal. Calorim. 96 (3), 795-804 (2009).
- Stritzke, J. et al.: **Association between degenerative aortic valve disease and long-term exposure to cardiovascular risk factors: Results of the longitudinal population-based KORA/MONICA survey.** Eur. Heart J. 30 (16), 2044-2053 (2009).
- Stritzke, J., Markus, M.R., Duderstadt, S., Lieb, W., Luchner, A., Doering, A., Keil, U., Hense, H.W. & Schunkert, H.: **The aging process of the heart: Obesity is the main risk factor for left atrial enlargement during aging the MONICA/KORA (monitoring of trends and determinations in cardiovascular disease/cooperative research in the region of Augsburg) study.** J. Am. Coll. Cardiol. 54 (21), 1982-1989 (2009).
- Struelens, L., Bacher, K. & Zankl, M.: **Dose-Area-Product to effective dose in interventional cardiology and radiology.** IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 181-184 (2009).
- Stumpf, M. et al.: **Intraepithelial CD8-positive T lymphocytes predict survival for patients with serous stage III ovarian carcinomas: Relevance of clonal selection of T lymphocytes.** Br. J. Cancer 101 (9), 1513-1521 (2009).
- Stumpp, C., Engelhardt, S., Hofmann, M. & Huwe, B.: **Evaluation of pedotransfer functions for estimating soil hydraulic properties of prevalent soils in a catchment of the Bavarian Alps.** Eur. J. For. Res. 128 (6), 609-620 (2009).
- Stumpp, C., Maloszewski, P., Stichler, W. & Fank, J.: **Environmental isotope ( $\delta$  O-18) and hydrological data to assess water flow in unsaturated soils planted with different crops: Case study lysimeter station "Wagna" (Austria).** J. Hydrol. 369 (1-2), 198-208 (2009).
- Stumpp, C., Nützmann, G., Maciejewski, S. & Maloszewski, P.: **A comparative modeling study of a dual tracer experiment in a large lysimeter under atmospheric conditions.** J. Hydrol. 375 (3-4), 566-577 (2009).
- Stumpp, C., Stichler, W. & Maloszewski, P.: **Application of the environmental isotope  $\delta$  O-18 to study water flow in unsaturated soils planted with different crops: Case study of a weighable lysimeter from the research field in Neuherberg, Germany.** J. Hydrol. 368 (1-4), 68-78 (2009).
- Suhre, K. & Gieger, C.: **Eine genomweite Assoziationsstudie mit Stoffwechselprodukten.** BIoSpektrum 15 (03), 263-265 (2009).

- 
- Sunyer, J. et al.: **Interaction between smoking and the interleukin-6 gene affects systemic levels of inflammatory biomarkers.** *Nicotine Tob. Res.* 11 (11), 1347-1353 (2009).
- Suttner, K., Depner, M., Klopp, N., Illig, T., Vogelberg, C., Adamski, J., Mutius, E. von & Kabesch, M.: **Genetic variants in the GATA3 gene are not associated with asthma and atopic diseases in German children.** *J. Allergy Clin. Immunol.* 123 (5), 1179-1181 (2009).
- Suttner, K. et al.: **TBX21 gene variants increase childhood asthma risk in combination with HLX1 variants.** *J. Allergy Clin. Immunol.* 123 (5), 1062-1068 (2009).
- Sweeney, L.M. et al.: **Derivation of inhalation toxicity reference values for propylene oxide using mode of action analysis: Example of a threshold carcinogen.** *Crit. Rev. Toxicol.* 39 (6), 462-486 (2009).
- Taeger, D., Johnen, G., Wiethage, T., Tapio, S., Möhner, M., Wesch, H., Tannapfel, A., Müller, K.M., Brüning, T. & Pesch, B.: **Major histopathological patterns of lung cancer related to arsenic exposure in German uranium miners.** *Int. Arch. Occup. Environ. Health* 82 (7), 867-875 (2009).
- Tapio, S. & Atkinson, M.J.: **Molecular information obtained from radiobiological tissue archives: achievements of the past and visions of the future.** *Radiat. Environ. Biophys.* 133, 211-228 (2008).
- Tencer, Y. et al.: **Establishment of a constructed wetland in extreme dryland.** *Environ. Sci. Pollut. Res.* 16 (7), 862-875 (2009).
- Tetko, I.V., Poda, G.I., Ostermann, C. & Mannhold, R.: **Accurate in silico log P predictions: One can't embrace the unembraceable.** *QSAR Comb. Sci.* 28 (8), 845-849 (2009).
- Tetko, I.V., Poda, G.I., Ostermann, C. & Mannhold, R.: **Large-scale evaluation of log P predictors: Local corrections may compensate insufficient accuracy and need of experimentally testing every other compound.** *Chem. Biodivers.* 6 (11), 1837-1844 (2009).
- Thalhammer, S.: **Programmable lab-on-a-chip system for single cell analysis.** *Proc. SPIE* 7364, 73640B (2009).
- Thalhammer, P., Schneider, M.F. & Wixforth, A.: **Integrated lab-on-a-chip system in life sciences.** *NanoScience and Technology, Nanoscale Phenomena. Fundamentals and Applications.*, Hahn, H. et al. [eds.], Berlin : Springer, 161-190 (2009).
- Theis, F.J., Cason, T.P. & Absil, P.A.: **Soft dimension reduction for ICA by joint diagonalization on the Stiefel manifold.** *Lecture Notes in Computer Science; Vol. 5441, Independent Component Analysis and Signal Separation*, Adali T. et al. [Eds.], Berlin / Heidelberg : Springer, 354-361 (2009).
- Theis, F.J., Neher, R. & Zeug, A.: **Blind decomposition of spectral imaging microscopy: a study on artificial and real test data.** *Lecture Notes in Computer Science; Vol. 5441, Independent Component Analysis and Signal Separation*, Adali T. et al. [Eds.], Berlin / Heidelberg : Springer-Verlag, 548-556 (2009).
- Themelis, G. & Ntziachristos, V.: **High-resolution sensors capture application-defined spectral bands in real time.** *Laser Focus World* 44 (12), 72-75 (2008).

- 
- Thevenot, M., Dousset, S., Hertkorn, N., Schmitt-Kopplin, P. & Andreux, F.: **Interactions of diuron with dissolved organic matter from organic amendments.** *Sci. Total Environ.* 407 (14), 4297-4302 (2009).
- Thiadens, A.A.H.J. et al.: **Homozygosity mapping reveals PDE6C mutations in patients with early-onset cone photoreceptor disorders.** *Am. J. Hum. Genet.* 85 (2), 240-247 (2009).
- Thiessen, K.M. et al.: **Modelling the long-term consequences of a hypothetical dispersal of radioactivity in an urban area including remediation alternatives.** *J. Environ. Radioact.* 100 (6), 445-455 (2009).
- Thoene, S. et al.: **The homeobox gene CDX2 is aberrantly expressed and associated with an inferior prognosis in patients with acute lymphoblastic leukemia.** *Leukemia* 23 (4), 649-655 (2009).
- Tian, F., Prina-Mello, A., Estrada, G.G., Beyerle, A., Kreyling, W. & Stoeger, T.: **Cell shape imaging analysis: A fast and reliable technique for the investigation of internalised carbon nanotubes in flat macrophages.** *J. Phys.: Conf. Ser.* 151, 012033 (2009).
- Tian, F., Prina-Mello, A., Estrada, G., Beyerle, A., Möller, W., Schulz, H., Kreyling, W. & Stöger, T.: **Macrophage cellular adaptation, localization and imaging of different size polystyrene particles.** *Nano Biomed. Eng.* 1 (1), 19-38 (2009).
- Tian, F., Razansky, D., Estrada, G.G., Semmler-Behnke, M., Beyerle, A., Kreyling, W. & Ntziachristos, V.S.T.: **Surface modification and size dependence in particle translocation during early embryonic development.** *Inhal. Toxicol.* 21, 92-96 (2009).
- Timmer, A.: **Umweltfaktoren bei der Entstehung der CED.** *DCCV-Journal Bauchredner; Risiko- und Umweltfaktoren bei der Krankheitsentstehung* 98 (3), 12-22 (2009).
- Timmer, A., Kemptner, D., Taksas, A., Klebl, F. & Jockel, K.H.: **A survey-based index was validated for measuring disease activity in inflammatory bowel disease: An evaluation study.** *J. Clin. Epidemiol.* 62 (7), 771-778 (2009).
- Timmer, A. & Obermeier, F.: **Reduced risk of ulcerative colitis after appendectomy.** *Br. Med. J.* 338, b225 (2009).
- Timofeeva, M., Jäger, B., Rosenberger, A., Sauter, W., Wichmann, H.E., Bickeböller, H. & Risch, A.: **A multiplex real-time PCR method for detection of GSTM1 and GSTT1 copy numbers.** *Clin. Biochem.* 42 (6), 500-509 (2009).
- Timofeeva, M.N. et al.: **CYP450 polymorphisms as risk factors for early-onset lung cancer: Gender-specific differences.** *Carcinogenesis* 30 (7), 1161-1169 (2009).
- Tirsch, W.S.: **Biomedizinische Relevanz der quantitativen EEG-Analyse.** *Berichte aus der Medizinischen Informatik und Bioinformatik, Aachen : Shaker, 239 S.* (2009).
- Tischenko, O., Xu, Y., Goetzfried, T., Bogner, L. & Hoeschen, C.: **Reduction of aliasing artifacts in tomographic images.** *Proceedings of SPIE; Vol. 7258, Medical Imaging 2009: Physics of Medical Imaging, Samei, E.; Hsieh, J. [Eds.], 72583F* (2009).
- Trégouët, D.A. et al.: **Genome-wide haplotype association study identifies the SLC22A3-LPAL2-LPA gene cluster as a risk locus for coronary artery disease.** *Nat. Genet.* 41 (3), 283-285 (2009).
- Tschiersch, J., Shinonaga, T. & Heuberger, H.: **Dry deposition of gaseous radioiodine and particulate radiocaesium onto leafy vegetables.** *Sci. Total Environ.* 407 (21), 5685-5693 (2009).

- 
- Ulbricht, S., Baumeister, S.E., Meyer, C., Schmidt, C.O., Schumann, A., Rumpf, H.J. & John, U.: **Does the smoking status of general practitioners affect the efficacy of smoking cessation counselling?** *Patient Educ. Couns.* 74 (1), 23-28 (2009).
- Unger, K. et al.: **Novel gene rearrangements in transformed breast cells identified by high-resolution breakpoint analysis of chromosomal aberrations.** *Endocr. Relat. Cancer* 17 (1), 87-98 (2010) [published online 2009].
- van Es, M.A. et al.: **Genome-wide association study identifies 19p13.3 (UNC13A) and 9p21.2 as susceptibility loci for sporadic amyotrophic lateral sclerosis.** *Nat. Genet.* 41 (10), 1083-1087 (2009).
- van Wieringen, W.N., Kun, D., Hampel, R. & Boulesteix, A.L.: **Survival prediction using gene expression data: A review and comparison.** *Comput. Stat. Data Anal.* 53 (5), 1590-1603 (2009).
- Varnek, A., Gaudin, C., Marcou, G., Baskin, I., Pandey, A.K. & Tetko, I.V.: **Inductive transfer of knowledge: Application of multi-task learning and feature net approaches to model tissue-air partition coefficients.** *J. Chem. Inf. Model.* 49 (1), 133-144 (2009).
- Vasan, R.S. et al.: **Genetic variants associated with cardiac structure and function: A meta-analysis and replication of genome-wide association data.** *JAMA* 302 (2), 168-178 (2009).
- Verkleij, J.A.C., Golan-Goldhirsh, A., Antosiewicz, D.M., Schwitzguébel, J.P. & Schröder, P.: **Dualities in plant tolerance to pollutants and their uptake and translocation to the upper plant parts.** *Environ. Exp. Botany* 67 (1), 10-22 (2009).
- Videmsek, U., Hagn, A., Suhadolc, M., Radl, V., Knicker, H., Schloter, M. & Vodnik, D.: **Abundance and diversity of CO<sub>2</sub>-fixing bacteria in grassland soils close to natural carbon dioxide springs.** *Microb. Ecol.* 58 (1), 1-9 (2009).
- Vinegoni, C., Razansky, D., Figueiredo, J.L., Fexon, L., Pivovarov, M., Nahrendorf, M., Ntziachristos, V. & Weissleder, R.: **Born normalization for fluorescence optical projection tomography for whole heart imaging.** *J. Vis. Exp.* 28, 1389 (2009).
- Vinegoni, C., Razansky, D., Pitsouli, C., Perrimon, N., Ntziachristos, V. & Weissleder, R.: **Mesosopic fluorescence tomography for in-vivo imaging of developing Drosophila.** *J. Vis. Exp.* 30, nihpa141458 (2009).
- Vinegoni, C., Razansky, D., Figueiredo, J.L., Nahrendorf, M., Ntziachristos, V. & Weissleder, R.: **Normalized Born ratio for fluorescence optical projection tomography.** *Opt. Lett.* 34 (3), 319-321 (2009).
- Vlot, A.C., Dempsey, D.A. & Klessig, D.F.: **Salicylic acid, a multifaceted hormone to combat disease.** *Annu. Rev. Phytopathol.* 47, 177-206 (2009).
- Vogel, C.I. et al.: **Non-replication of an association of CTNBL1 polymorphisms and obesity in a population of Central European ancestry.** *BMC Med. Genet.* 10, 14 (2009).
- Vogel, C.I.G. et al.: **Gastric inhibitory polypeptide receptor: association analyses for obesity of several polymorphisms in large study groups.** *BMC Med. Genet.* 10, 19 (2009).
- Voigt, K.: **Networking environmental informatics in Europe with respect to sustainability.** Proceedings of the European conference of the Czech Presidency of the Council of the EU. TOWARDS eENVIRONMENT. Opportunities of SEIS and SISE: Integrating Environmental Knowledge in Europe; March 25-27 2009; Prag, Hř ebič ek, J. et al. [Eds.], 519-533 (2009).

- 
- Voigt K.: **Green Chemistry / Green Engineering / Sustainable Information Technology: Common concepts and differences.** Environmental Informatics and Industrial Environmental protection: Concepts, Methods and Tools, 23rd International Conference on Informatics for Environmental Protection, Sept 09-11, 2009, HTW Berlin, Wohlgemuth, V.; Page B.; Voigt K. [Eds.], Aachen : Sha.
- Voigt, K. & Scherb, H.: **Sustainable chemistry, sustainable pharmacy: vital topics in the sustainability debate.** Empa Materials Science and Technology, R' 09 Twin World Congress and World Resources Forum September 2009, Davos, Switzerland, Hilty, L.M., Itoh, H., Hayashi, K., Edelman, X. [Eds.], St. Gallen : Empa Materials Science and Technology, 1-6 (2009).
- Vollmeister, E., Haag, C., Zarnack, K., Baumann, S., König, J., Mannhaupt, G. & Feldbrügge, M.: **Tandem KH domains of Khd4 recognize AUACCC and are essential for regulation of morphology as well as pathogenicity in Ustilago maydis.** RNA 15 (12), 2206-2218 (2009).
- Völzke, H., Stritzke, J., Kuch, B., Schmidt, C.O., Lüdemann, J., Döring, A., Schunkert, H. & Hense, H.W.: **Regional differences in the prevalence of left ventricular hypertrophy within Germany.** Eur. J. Cardiovasc. Prev. Rehabil. 16 (3), 392-400 (2009).
899. Waak, J. et al.: **Regulation of astrocyte inflammatory responses by the Parkinson's disease-associated gene DJ-1.** FASEB J. 23 (8), 1244-1248 (2009).
- Walsh, L., Jacob, P. & Eidemüller, M.: **Mechanistic models for carcinogenesis with radiation induced cell inactivation: Application to all solid tumours in the Japanese atomic-bomb survivors.** Biologische Wirkungen niedriger Dosen ionisierender Strahlung, Klausurtagung der Strahlenschutzkommission am 08./09. November 2007, Band 63, 131-134 (2009).
- Walsh, L., Jacob, P. & Kaiser, J.C.: **Radiation risk modeling of thyroid cancer with special emphasis on the Chernobyl epidemiological data.** Radiat. Res. 174 (4), 509--518 (2009).
- Walter, M.C. et al.: **PEDANT covers all complete RefSeq genomes.** Nucleic Acids Res. 37 (Database Issue), D408-D411 (2009).
- Wang, J., Bi, Y., Pfister, G., Henkelmann, B., Zhu, K. & Schramm, K.W.: **Determination of PAH, PCB, and OCP in water from the Three Gorges Reservoir accumulated by semipermeable membrane devices (SPMD).** Chemosphere 75 (8), 1119-1127 (2009).
- Wang, X., Haberer, G. & Mayer, K.F.: **Discovery of cis-elements between sorghum and rice using co-expression and evolutionary conservation.** BMC Genomics 10, 284 (2009).
- Ward, R.J. et al.: **Effects of marginal iron overload on iron homeostasis and immune function in alveolar macrophages isolated from pregnant and normal rats.** Biometals 22 (2), 211-223 (2009).
- Webb, K.J. et al.: **Zebrafish reward mutants reveal novel transcripts mediating the behavioral effects of amphetamine.** Genome Biol. 10 (7), R81 (2009).
- Weckbach, S., Findeisen, H.M., Schoenberg, S.O., Kramer, H., Stark, R., Clevert, D.A., Reiser, M.F. & Parhofer, K.G.: **Systemic cardiovascular complications in patients with long-standing diabetes mellitus: comprehensive assessment with whole-body magnetic resonance imaging/magnetic resonance angiography.** Invest. Radiol. 44 (4), 242-250 (2009).

- 
- Weier, H.U., Kwan, J., Lu, C.M., Ito, Y., Wang, M., Baumgartner, A., Hayward, S.W., Weier, J.F. & Zitzelsberger, H.F.: **Kinase expression and chromosomal rearrangements in papillary thyroid cancer tissues: Investigations at the molecular and microscopic levels.** J. Physiol. Pharmacol. 60, 47-55 (2009).
- Weinbauer, M.G., Arrieta, J.M., Griebler, C. & Herndl, G.J.: **Enhanced viral production and infection of bacterioplankton during an iron-induced phytoplankton bloom in the Southern Ocean.** Limnol. Oceanogr. 54 (3), 774-784 (2009).
- Weinert, N., Meincke, R., Schloter, M., Berg, G. & Smalla, K.: **Effect on soil microbial communities of genetically modified plants.** Environmental Microbiology, Mitchell, R.; Ji-Dong, G. [Eds.], Hoboken : Wiley, 241-264 (2009).
- Weinert, N., Meincke, R., Gottwald, C., Heuer, H., Gomes, N.C.M., Schloter, M., Berg, G. & Smalla, K.: **Rhizosphere communities of genetically modified zeaxanthin-accumulating potato plants and their parent cultivar differ less than those of different potato cultivars.** Appl. Environ. Microbiol. 75 (12), 3859-3865 (2009).
- Weinmann, L., Höck, J., Ivacevic, T., Ohrt, T., Mütze, J., Schwill, P., Kremmer, E., Benes, V., Urlaub, H. & Meister, G.: **Importin 8 is a gene silencing factor that targets argonaute proteins to distinct mRNAs.** Cell 136 (3), 496-507 (2009).
- Welteke, V., Eitelhuber, A., Düwel, M., Schweitzer, K., Naumann, M. & Krappmann, D.: **COP9 signalosome controls the Carma1-Bcl10-Malt1 complex upon T-cell stimulation.** EMBO Rep. 10 (6), 642-648 (2009).
- Welzl, G. & Hense, B.A.: **Statistische Bewertungsverfahren im biologischen Kontext: Teil III: Hauptkomponentenanalyse (Principal Component Analysis -PCA).** DGL Deutsche Gesellschaft für Limnologie: Mitteilungen I/2009, DGL Deutsche Gesellschaft für Limnologie e.V., 67-80 (2009).
- Wenig, C.M., Schmidt, C.O., Kohlmann, T. & Schweikert, B.: **Costs of back pain in Germany.** Eur. J. Pain 13 (3), 280-286 (2009).
- Wermter, A.K. et al.: **Procolipase gene: no association with early-onset obesity or fat intake.** Obes. Facts 2 (1), 40-44 (2009).
- Werner, T., Hoermannsperger, G., Schuemann, K., Hoelzlwimmer, G., Tsuji, S. & Haller, D.: **Intestinal epithelial cell proteome from wild-type and TNF{Delta}ARE/WT mice: Effect of iron on the development of chronic ileitis.** J. Proteome Res. 8 (7), 3252-3264 (2009).
- Wichmann, H.E.: **WHO-Kollaborationszentrum zum Thema 'Umwelt und Gesundheit' in Deutschland.** ecomed, Handbuch der Umweltmedizin, 41. Ergänzungslieferung, 7/09, ecomed Medizin, München, Band 1, Kapitel III-2.7, Wichmann, E. et al. [Eds.], München, Düsseldorf, Berlin : Ecomed Verl.-Ges., 1 (2009).
- Wichmann, H.E., Gerken, M. & Kreenbrock, L.: **Radon.** Handbuch der Umweltmedizin. Kap. VII - 2.4., 39. Erg. Lfg. 8/08, Wichmann; Schlippkötter; Füllgraff [Eds.], Landsberg : ecomed, 1-26 (2008).
- Wiczinski, E., Döring, A., John, J., Lengerke, T. von & KORA Study Group: **Obesity and health-related quality of life: does social support moderate existing associations?** Br. J. Health. Psychol. 14, 717-34 (2009).
- Wie, X., Wu, S.C., Nie, X.P., Yediler, A. & Wong, M.H.: **The effects of residual tetracycline on soil enzymatic activities and plant growth.** J. Environ. Sci. Health B 44 (5), 461-471 (2009).

- 
- Wiegel, B. et al.: **Intercomparison of radiation protection devices in a high-energy stray neutron field, Part II: Bonner sphere spectrometry.** Radiat. Meas. 44 (7-8), 660-672 (2009).
- Wilde, S.,Sommermeyer, D.,Frankenberger, B.,Schiemann, M.,Milosevic, S.,Spranger, S.,Pohla, H.,Uckert, W.,Busch, D.H. & Schendel, D.J.: **Dendritic cells pulsed with RNA encoding allogeneic MHC and antigen induce T cells with superior antitumor activity and higher TCR functional avidity.** Blood 114 (10), 2131-2139 (2009).
- Willenbrock, K.,Renne, C.,Rottenkolber, M.,Klapper, W.,Dreyling, M.,Engelhard, M.,Kuppers, R.,Hansmann, M.L. & Jungnickel, B.: **The expression of activation induced cytidine deaminase in follicular lymphoma is independent of prognosis and stage.** Histopathology 54 (4), 509-512 (2009).
- Willer, C.J. et al.: **Six new loci associated with body mass index highlight a neuronal influence on body weight regulation.** Nat. Genet. 41 (1), 25-34 (2009).
- Winkler, J.B.,Fleischmann, F.,Gayler, S.,Scherb, H.,Matyssek, R. & Grams, T.E.E.: **Do chronic aboveground O3 exposure and belowground pathogen stress affect growth and belowground biomass partitioning of juvenile beech trees (Fagus sylvatica L.)?** Plant Soil 332 (1-2), 31-44 (2009).
- Winkler, C.,Illig, T.,Koczwara, K.,Bonifacio, E. & Ziegler, A.G.: **HHEX-IDE polymorphism is associated with low birth weight in offspring with a family history of type 1 diabetes.** J. Clin. Endocrinol. Metab. 94 (10), 4113-4115 (2009).
- Winkler, J.B.,Lang, H.,Graf, W.,Reth, S. & Munch, J.C.: **Experimental setup of field lysimeters for studying effects of elevated ozone and below-ground pathogen infection on a plant-soil-system of juvenile beech (Fagus sylvatica L.).** Plant Soil 323 (1-2), 7-19 (2009).
- Winner, B.,Vogt-Weisenhorn, D.M.,Lie, C.D.,Blümcke, I. & Winkler, J.: **Cellular repair strategies in Parkinson's disease.** Ther. Adv. Neurol. Disord. 2 (1), 51-60 (2009).
- Wirth, E.K. et al.: **Neuronal 3',3,5-triiodothyronine (T3) uptake and behavioral phenotype of mice deficient in Mct8, the neuronal T3 transporter mutated in Allan-Herndon-Dudley syndrome.** J. Neurosci. 29 (30), 9439-9449 (2009).
- Wittmaack, K.: **Gas-phase ionisation of sputtered rare gas atoms.** Int. J. Mass. Spectrom. 269 (1-2), 24-33 (2008).
- Wittmaack, K.: **In situ observation of gas reemission and blister rupture during helium implantation in silicon.** Appl. Phys. Lett. 52, 1836-1841 (2009).
- Wittmaack, K.: **Rapid-relocation model for describing high-fluence retention of rare gases implanted in solids.** Nucl. Instrum. Methods Phys. Res. B 267 (17), 2846-2857 (2009).
- Wittmaack, K.: **SIMS analysis of xenon and krypton in uranium dioxide: a comparison of two models of gas-phase ionisation.** Nucl. Instrum. Methods Phys. Res. B 266 (24), 5151-5158 (2008).
- Wittmann, D.M.,Blöchl, F.,Trümbach, D.,Wurst, W.,Prakash, N. & Theis, F.J.: **Spatial analysis of expression patterns predicts genetic interactions at the mid-hindbrain boundary.** PLoS Comput. Biol. 5 (11), e1000569 (2009).
- Wittmann, D.M.,Krumisiek, J.,Saez-Rodriguez, J.,Lauffenburger, D.A.,Klamt, S. & Theis, F.J.: **Transforming Boolean models to continuous models: methodology and application to T-cell receptor signaling.** BMC Syst. Biol. 3 (1), 98 (2009).

- 
- Wittmann, D.M., Schmidl, D., Blochl, F. & Theis, F.J.: **Reconstruction of graphs based on random walks.** Theor. Comput. Sci. 410 (38-40), 3826-3838 (2009).
- Wizenmann, A. et al.: **Extracellular engrailed participates in the topographic guidance of retinal axons in vivo.** Neuron 64 (3), 355-366 (2009).
- Woda, C., Jacob, P., Ulanovsky, A., Fiedler, I., Mokrov, Y. & Rovny, S.: **Evaluation of external exposures of the population of Ozyorsk, Russia, with luminescence measurements of bricks.** Radiat. Environ. Biophys. 48 (4), 405-417 (2009).
- Woda, C. & Spöttl, T.: **On the use of OSL of wire-bond chip card modules for retrospective and accident dosimetry.** Radiat. Meas. 44 (5-6), 548-553 (2009).
- Woide, D., Mayer, V., Wachtmeister, T., Hoehn, N., Zink, A., Koehler, U. & Thalhammer, S.: **Single particle adsorbing transfer system.** Biomed. Microdevices 11 (3), 609-614 (2009).
- Wolf, M., Kappler, A., Jiang, J. & Meckenstock, R.U.: **Effects of humic substances and quinones at low concentrations on ferrihydrite reduction by Geobacter metallireducens.** Environ. Sci. Technol. 43 (15), 5679-5685 (2009).
- Wolf, K., Schneider, A., Breitner, S., Klot, S. von, Meisinger, C., Cyrys, J., Hymer, H., Wichmann, H.E. & Peters, A.: **Air temperature and the occurrence of myocardial infarction in Augsburg, Germany.** Circulation 120 (9), 735-742 (2009).
- Worden, A.Z. et al.: **Green evolution and dynamic adaptations revealed by genomes of the marine picoeukaryotes Micromonas.** Science 324 (5924), 268-272 (2009).
- Wright, A.K.A., Rao, S., Range, S., Eder, C., Hofer, T.P.J., Frankenberger, M., Kobzik, L., Brightling, C., Grigg, J. & Ziegler-Heitbrock, L.: **Pivotal Advance: Expansion of small sputum macrophages in CF: Failure to express MARCO and mannose receptors.** J. Leukoc. Biol. 86 (3), 479-489 (2009).
- Xing, X. et al.: **Hematopoietically expressed homeobox is a target gene of farnesoid X receptor in chenodeoxycholic acid-induced liver hypertrophy.** Hepatology 49 (3), 979-988 (2009).
- Xu, Y., Tischenko, O. & Hoeschen, C.: **Fast implementation of the image reconstruction algorithm OPED.** Proceedings of SPIE; Vol. 7258, Medical Imaging 2009: Physics of Medical Imaging, Samei, E.; Hsieh, J. [Eds.], 72585F (2009).
- Yassine, M.M., Dabek-Zlotorzynska, E. & Schmitt-Kopplin, P.: **CE-MS: A useful tool for the identification of water-soluble polar organics in air and vehicular emitted particulate matter.** Electrophoresis 30 (10), 1756-1765 (2009).
- Zacchetti, A., Coliva, A., Luison, E., Seregini, E., Bombardieri, E., Giussani, A., Figini, M. & Canevari, S.: **(177)Lu-labeled MOv18 as compared to (131)I- or (90)Y-labeled MOv18 has the better therapeutic effect in eradication of alpha folate receptor-expressing tumor xenografts.** Nucl. Med. Biol. 36 (7), 759-770 (2009).
- Zakrzewicz, D. & Eickelberg, O.: **From arginine methylation to ADMA: a novel mechanism with therapeutic potential in chronic lung diseases.** BMC Pulm. Med. 9, 5 (2009).
- Zankl, M., Becke, J., Petoussi-Hens, N., Schlattl, H., Bolch, W.E., Eckerman, K.F., Menzel, H.G. & Hoeschen, C.: **The reference computational phantoms adopted by ICRP and ICRU.** IFMBE Proceedings, Vol. 25/III, World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany, Dössel, O.; Schlegel, W.C. [Eds.], Berlin : Springer, 185-188 (2009).

- 
- Zankl, M., Becker J., Schlattl, H., Petoussi-Henss, N., Eckermann, K.F., Bolch, W.E. & Hoeschen, C.: **Computational phantoms of the ICRP Reference Male and Reference Female.** Strengthening Radiation Protection Worldwide, IRPA 12 - 12th International Congress of the International Radiation Protection Association; 19-24 October 2008; Buenos Aires, 1-9 (2009).
- Zareba, W., Couderc, J.P., Oberdörster, G., Chalupa, D., Cox, C., Huang, L.S., Peters, A., Utell, M.J. & Frampton, M.W.: **ECG parameters and exposure to carbon ultrafine particles in young healthy subjects.** *Inhal. Toxicol.* 21 (3), 223-233 (2009).
- Zeilinger, S., Pinto, L.A., Nockher, W.A., Depner, M., Klopp, N., Illig, T., Mutius, E. von, Renz, H. & Kabesch, M.: **The effect of BDNF gene variants on asthma in German children.** *Allergy* 64 (12), 1790-1794 (2009).
- Zhang, J. et al.: **A novel GGA-binding site is required for intracellular sorting mediated by stabilin-1.** *Mol. Cell. Biol.* 29 (22), 6097-6105 (2009).
- Zhang, L.M., Lichtmannegger, J., Summer, K.H., Webb, S., Pickering, I.J. & George, G.N.: **Tracing copper-thiomolybdate complexes in a prospective treatment for Wilson's disease.** *Biochemistry* 48 (5), 891-897 (2009).
- Ziegler, A., Heidenreich, R., Braumüller, H., Wolburg, H., Weidemann, S., Mocikat, R. & Röcken, M.: **EpCAM, a human tumor-associated antigen promotes Th2 development and tumor immune evasion.** *Blood* 113 (15), 3494-3502 (2009).
- Ziegler, D., Rathmann, W., Dickhaus, T., Meisinger, C. & Mielck, A.: **Neuropathic pain in diabetes, prediabetes and normal glucose tolerance: The MONICA/KORA Augsburg Surveys S2 and S3.** *Pain Med.* 10 (2), 393-400 (2009).
- Ziegler, D., Rathmann, W., Meisinger, C., Dickhaus, T., Mielck, A. & KORA Study Group: **Prevalence and risk factors of neuropathic pain in survivors of myocardial infarction with pre-diabetes and diabetes. The KORA Myocardial Infarction Registry.** *Eur. J. Pain* 13 (6), 582-587 (2009).
- Zipplies, J.K., Hauck, S.M., Schoeffmann, S., Amann, B., van der Meijden, C.H., Stangassinger, M., Ueffing, M. & Deeg, C.A.: **Kininogen in autoimmune uveitis: Decrease in peripheral blood stream versus increase in target tissue.** *Invest. Ophthalmol. Vis. Sci.* 51 (1), 375-382 (2010) [published online 2009].
- Zipplies, J.K., Hauck, S.M., Schoeffmann, S., Amann, B., Stangassinger, M., Ueffing, M. & Deeg, C.A.: **Serum PEDF levels are decreased in a spontaneous animal model for human autoimmune uveitis.** *J. Proteome Res.* 8 (2), 992-998 (2009).
- Zitzelsberger, H., Bauer, V., Thomas, G. & Unger, K.: **Molecular rearrangements in papillary thyroid carcinomas.** *Clin. Chim. Acta* 411 (5-6), 301-308 (2010) [published online 2009].
- Zitzelsberger, H., Thomas, G. & Unger, K.: **Chromosomal aberrations in thyroid follicular-cell neoplasia: In the search of novel oncogenes and tumour suppressor genes.** *Mol. Cell. Endocrinol.* 321 (1), 57-66 (2010) [published online 2009].
- Zock, J.P. et al.: **Domestic use of hypochlorite bleach, atopic sensitization, and respiratory symptoms in adults.** *J. Allergy Clin. Immunol.* 124 (4), 731-738 (2009).
- Zorn, J., Herber, M., Schwamberger, S., Panzer, W., Adler, H. & Kolb, H.J.: **Tolerance in DLA-haploidentical canine littermates following CD6-depleted marrow transplantation and donor lymphocyte transfusion.** *Exp. Hematol.* 37 (8), 998-1006 (2009).