

Adler, I.-D., Attia, S.M.: Nicotine is not clastogenic at doses of 1 or 2 mg/kg body weight given orally to male mice. *Mutat. Res.- Gen. Tox. Environ.* 542, 139-142 (2003)

Adler, I.-D., Gonda, H., Hrabe de Angelis, M., Jentsch, I., Otten, I.S., Speicher, M.R.: Heritable translocations by dermal exposure of male mice to acrylamide. *Cytogenet. Genome Res.* 104, 271-276 (2004)

Adolf, B.*, Bellipanni, G.*, Huber, V.*, Bally-Cuif, L.: atoh1.2 and beta3.1 are two new bHLH-encoding genes expressed in selective precursor cells of the zebrafish anterior hindbrain. *Gene Expression Patterns* 5, 35-41 (2004)

Ahituv, N.*, Erven, A.*, Fuchs, H., Guy, K.*, Ashery-Padan, R.*, Williams, T.*, Hrabe de Angelis, M., Avraham, K.B.*, Steel, K.P.*: An ENU-induced mutation in AP-2alpha leads to middle ear and ocular defects in Doarad mice. *Mamm. Genome* 15, 424-432 (2004)

Aichinger, C.*, Hansson, K.*, Eichhorn, H.*, Lessing, F.*, Mannhaupt, G., Mewes, H.W., Kahmann, R.*: Identification of plant-regulated genes in *Ustilago maydis* by enhancer-trapping mutagenesis. *Mol. Gen. Genomics* 270, 303-314 (2003)

Albrecht, B.*, Hausmann, M.*, Zitzelsberger, H., Stein, H.*, Siewert, J.R.*, Hopt, U.*, Langer, R.*, Höfler, H., Werner, M.*, Walch, A.*: Array-based comparative genomic hybridization for the detection of DNA sequence copy number changes in Barrett's adenocarcinoma. *J. Pathol.* 203, 780-788 (2004)

Ali, S.T.*, Krasowska, A.E.*, Führ, H.: Plancherel invasion as unified approach to wavelet transform and wigner functions. *Ann. Henri Poincare* 4, 1015-1050 (2003)

Al-Jundi, J.*, Werner, E., Roth, P., Höllriegl, V., Wendler, I., Schramel, P.: Thorium and uranium contents in human urine : Influence of age and residential area. *J. Environ. Radioactiv.* 71, 61-70 (2004)

Allgoewer, I., Schäffer, E.: Hornhautveränderung bei einer British-Shortair-Katze. *Tierärztl. Prax. (K)* 32, 92-95 (2004)

Andrae, J.*, Afink, G.*, Zhang, X.-Q.*, Wurst, W., Nister, M.*: Forced expression of platelet-derived growth factor B in the mouse cerebellar primordium changes cell migration during midline fusion and causes cerebellar ectopia. *Mol. Cell. Neurosci.* 26, 308-321 (2004)

Andreansky, S.*, Liu, H.*, Adler, H., Koszinowski, U.H.*, Efstathiou, S.*, Doherty, P.C.*: The limits of protection by memory" T cells in Ig -/-mice persistently infected with a gamma-herpesvirus. *Proc. Natl. Acad. Sci. USA* 101, 2017-2022 (2004)

Andreoli, C., Prokisch, H., Hörtnagel, K., Mueller, J.C., Münsterkötter, M., Scharfe, C.*, Meitinger, Th.: MitoP2, an integrated databases on mitochondrial proteins in yeast and man. *Nucleic Acids Res.* 32, 459-462 (2004)

Aneja, M.K., Sharma, S., Munch, J.C., Schlöter, M.: RNA fingerprinting - a new method to screen for differences in plant litter degrading microbial communities. *J. Microbial. Meth.* 59, 223-231 (2004)

Antonov, A.V., Tetko, I.V., Mader, M.T., Budczies, J., Mewes, H.W.: Optimization models for cancer classification : extracting gene interaction information from microarray expression data. *Bioinformatics* 20, 644-652 (2004)

Antonov, A.V., Tetko, I.V., Prokopenko, V.V.*, Kosykh, D., Mewes, H.W.: Web portal for classification of expression data using maximal margin linear programming. *Bioinformatics* 20, 3284-3285 (2004)

GSF - Publication List 2004

(* external author)

Arakawa, H., Buerstedde, J.-M.: Immunoglobulin gene conversion : Insights from bursal B cells and the DT40 cell line. *Dev. Dynam.* 229, 458-464 (2004)

Arakawa, H., Saribasak, H., Buerstedde, J.-M.: Activation-induced cytidine deaminase initiates immunoglobulin gene conversion and hypermutation by a common intermediate. *PLoS Biology* 2, 967-974 (2004)

Arenz, S.*, Rückerl, R., Koletzko, B.*, von Kries, R.*: Breast-feeding and childhood obesity - a systematic review. *Int. J. Obesity* 28, 1247-1256 (2004)

Austin, C.P.*, Wurst, W.: The Knockout Mouse Project. *Nat. Genet.* 36, 921-924 (2004)

Auwerx, J.*, Hrabé de Angelis, M., Wurst, W.: The European dimension for the mouse genome mutagenesis program. *Nat. Genet.* 36, 925-927 (2004)

Baban, A.*, Yediler, A., Ciliz, N.K.*, Kettrup, A.: Biodegradation oriented treatability studies on high strength segregated wastewater of a woolen textile dyeing plant. *Chemosphere* 57, 731-738 (2004)

Bagrintseva, K., Schwab, R., Kohl, T.M.*, Schnittger, S., Eichenlaub, S., Ellwart, J.W., Hiddemann, W., Spiekermann, K.: Mutations in the tyrosine kinase domain of FLT3 define a new molecular mechanism of acquired drug resistance to PTK inhibitors in FLT3-ITD-transformed hematopoietic cells. *Blood* 103, 2266-2275 (2004)

Bailiff, I.K., Stepanenko, V.F.*, Göksu, H.Y., Botter-Jensen, L.*, Brodski, L.*, Chumak, V.*, Correcher, V.*, Delgado, A.*, Golikov, V.*, Jungner, H.*, Khamidova, L.G.*, Kolizhenkov, T.V.*, Likhtarev, I.*, Meckbach, R., Petrov, S.A.*, Sholom, S.*: Comparison of retrospective luminescence dosimetry with computational modeling in two highly contaminated settlements downwind of the Chernobyl NPP. *Health Phys.* 86, 25-41 (2004)

Bailiff, I.K., Stepanenko, V.F.*, Göksu, H.Y., Jungner, H.*, Balmukjanov, S.B.*, Balmukhanov, T.S.*, Khamidova, L.G.*, Kisilev, V.I.*, Kolyado, I.B.*, Kolizhenkov, T.V.*, Shoikhet, Y.N.*, Tsyb, A.F.*: The application of retrospective luminescence dosimetry in areas affected by fallout from the semipalatinsk nuclear test site : An evaluation of potential. *Health Phys.* 87, 625-641 (2004)

Ballarini, F.*, Biaggi, M.*, De Biaggi, L.*, Ferrari, A.*, Ottolenghi, A.*, Panzarasa, A.*, Paretzke, H.G., Pelliccioni, M.*, Sala, P.*, Scannicchio, D.*, Zankl, M.: Role of shielding in modulating the effects of solar particle events : Monte Carlo calculation of absorbed dose and DNA complex lesions in different organs. *Adv. Space Res.* 34, 1338-1346 (2004)

Baran-Marszak, F.*, Feuillard, J.*, Najjar, I.*, Le Clorennec, Ch.*, Bechét, J.-P.*, Dusanter-Fourt, I.*, Bornkamm, G.W., Raphaël, M.*, Fagard, R.*: Differential roles of STAT1alpha and STAT1beta in fludarabine-induced cell cycle arrest and apoptosis in human B cells. *Blood* 104, 2475-2483 (2004)

Barnard, R.*, Barthes, L.*, Le Roux, X.*, Harmens, H.*, Raschi, A.*, Soussana, J.-F.*, Winkler, B., Leadley, P.W.*: Atmospheric CO2 elevation has little effect on nitrifying and denitrifying enzyme activity in four European grasslands. *Global Change Biol.* 10, 488-497 (2004)

Barnett, A.G.*, Dobson, A.J.*, Löwel, H., Hörmann, A., Gostomzyk, J., Bolte, H.D., WHO MONICA Project: Estimating trends and seasonality in coronary heart disease. *Stat. Med.* 23, 3505-3523 (2004)

Barnett, A.G.*, Dobson, A.J.*, WHO Monica Project: Is the increase in coronary events on Mondays an artifact ? *Epidemiology* 15, 583-588 (2004)

- Barquinero, J.F.*, Stephan, G.*, Schmid, E.: Effect of americium-241 alpha-particles on the dose-response of chromosome aberrations in human lymphocytes analysed by fluorescence in situ hybridization. *Int. J. Radiat. Biol.* 80, 155-164 (2004)
- Barreto, S.D.*, Bhat, B.V.R.*, Liebscher, V., Skeide, M.*: Type I product systems of Hilbert modules. *J. Funct. Anal.* 212, 121-181 (2004)
- Bass, R.F.*, Gröchenig, K.: Random sampling of multivariate trigonometric polynomials. *SIAM J. Math. Anal.* 36, 773-795 (2004)
- Bathe, S.*, Lebuhn, M.*, Ellwart, J.W., Wuertz, S.*, Hausner, M.*: High phylogenetic diversity of transconjugants carrying plasmid pJP4 in an activated sludge-derived microbial community. *FEMS Microbiol. Lett.* 235, 215-219 (2004)
- Battke, F., Schramel, P., Ernst, D.: A novel method for in vitro culture of plants : Cultivation of barley in a floating hydroponic system. *Plant Mol. Biol. Rep.* 21, 405-409 (2003)
- Baumert, J., Simon, H.*, Gündel, H.*, Schmitt, C.*, Ladwig, K.-H.: The impact of event scale-revised : Evaluation of the subscales and correlations to psychophysiological startle response patterns in survivors of a life-threatening cardiac event and analysis of 129 patients with an implanted cardioverter defibrillator. *J. Affect. Disorders* 82, 29-41 (2004)
- Beckers, J., Herrmann, F.*, Drobyshev, A.L., Horsch, M., Hrabé de Angelis, M., Seliger, B.*: Identification and validation of novel ERBB2 (HER2, NEU) targets including genes involved in angiogenesis. *Int. J. Cancer* 114, 590-597 (2005)
- Behrend, C., Greß, S.*, Holle, R., Reitmeir, P., Tolksdorff, K.*, Wasem, J.*: Zur Erklärungskraft des heutigen soziodemografischen Risikostrukturausgleichsmodells. *J. Public Health* 12, 20-31 (2004)
- Behrendt, H., Lemmen, C.: Schimmelpilz-Exposition : Pathomechanismus und Krankheitsbilder. Schriftenreihe des Instituts für Medizinische Mikrobiologie und Hygiene der Universität Lübeck ; Band 8, Erfassung biogener und chemischer Schadstoffe des Innenraumes und die Bewertung umweltbezogener Gesundheitsrisiken, Keller, R. [Eds.], Lübeck : Schmidt-Römhild, 69-91 (2004)
- Beitz, R.*, Mensink, G.B.M.*, Rams, S.*, Döring, A.: Vitamin- und Mineralstoffsupplementierung in Deutschland. *Bundesgesundheitsbl. Gesundheitsforsch. Gesundheitsschutz* 47, 1057-1065 (2004)
- Beitz, R.*, Mensink, G.B.M., Henschel, Y.*, Fischer, B., Erbersdobler, H.F.*: Dietary behaviour of German adults differing in levels of sport activity. *Public Health Nutr.* 7, 45-52 (2004)
- Benes, M.*, Milanov, N., Matuschek, G., Kettrup, A., Placek, V.*, Balek, V.*: Thermal degradation of PVC cable insulation studied by simultaneous TG-FTIR and TG-EGA methods. *J. Therm. Anal. Calorim.* 78, 621-630 (2004)
- Bent-Pagès, A., Lorenz-Depiereux, B., Zischka, H., White, K.E.*, Econs, M.J.*, Strom, T.M.: FGF23 is processed by proprotein convertases but not by PHEX. *Bone* 35, 455-462 (2004)
- Bergh, F.T.*, Dayyani, F.*, Ziegler-Heitbrock, L.: Impact of type-I-interferon on monocyte subsets and their differentiation to dendritic cells : an in vivo and ex vivo study in multiple sclerosis patients treated with interferon-beta. *J. Neuroimmunol.* 146, 176-188 (2004)

Bernhardt, P., Friedland, W., Paretzke, H.G.: The role of atomic inner shell relaxations for photon-induced DNA damage. *Radiat. Environ. Bioph.* 43, 77-84 (2004)

Besta, F.*, Müller, I.*, Lorenz, M.*, Massberg, S.*, Bültmann, A.*, Cabezza, N.*, Richter, T.*, Kremmer, E., Nothdurfter, C.*, Brand, K.*, Gawaz, M.*: Reduced β^3 -endoneurin levels are associated with enhanced urokinase-type plasminogen activator receptor expression in ApoE^{-/-} mice. *Thromb. Res.* 114, 283-292 (2004)

Bibel, M.*, Richter, J.*, Schrenk, K.*, Tucker, K.L.*, Staiger, V.*, Korte, M.*, Goetz, M.: Differentiation of mouse embryonic stem cells into a defined neuronal lineage. *Nat. Neurosci.* 7, 1003-1009 (2004)

Binder, E.B.*, Salyakina, D.*, Lichtner, P., Wochnik, G.M.*, Ising, M.*, Pütz, B.*, Papiol, S.*, Seaman, S.*, Lucae, S.*, Kohli, M.A.*, Nickel, Th.*, Künzel, H.E.*, Fuchs, B.*, Majer, M.*, Pfenning, A.*, Kern, N.*, Brunner, J.*, Modell, S.*, Baghai, Th.*, Deiml, T.*, Zill, P.*, Bondy, B.*, Rupprecht, R.*, Messer, T.*, Meitinger, Th. (u.a.): Polymorphisms in FKBP5 are associated with increased recurrence of depressive episodes and rapid response to antidepressant treatment. *Nat. Genet.*, 1319-1325 (2004)

Birkmann, C., Demski, H., Engelbrecht, R., Hildebrand, C., Blobel, B. [Eds.]: *ByMedCard - Hurdle race in telemedicine. Contribution of Medical Informatics to Health: Proceedings of the European Federation for Medical Informatics. Special Topics Conference 2004, Berlin : Akadem. Verlagsgesell. mbH, 55-56 (2004)*

Birkmann, Ch., Engelbrecht, R., Demski, H., Hildebrand, C.: *Klinikarbeitsplatz mit Chipkarte für die Behandlung chronisch Kranker. Dokumentation - der Schritt ins 3. Jahrtausend: 8. DVMD-Tagung, Schweizer, B. (Hrsg.), 128-132 (2004)*

Bitterle, E., Hofer, T., Karg, E., Ferron, G.A., Schroepel, A., Tippe, A., Geffers, R.*, Kreyling, W.G., Maier, K.L., Heyder, J.: A new in-vitro device for exposure of epithelial cells to airborne ultrafine elemental carbon particles at the air-liquid interface. *J. Aerosol. Sci.* 35 (Suppl.2), 1111-1112 (2004)

Blobel, B., Hildebrand, C., Engelbrecht, R.: *Contribution of Medical Informatics to Health : Integrated Clinical Data and Knowledge to Support Primary, Secondary, Tertiary Home Care. , Blobel, B. et al., Berlin : Akadem. Verlagsges., 131 S. (2004)*

Bolte, G., Elvers, H.-D.*: *Soziale Ungleichheit bei der Belastung mit verkehrsabhängigen Luftschadstoffen : Ergebnisse der Kinderkohortenstudie LISA. Umweltgerechtigkeit: Die soziale Verteilung von Umweltbelastungen, Bolte, G. ; Mielck, A. [Hrsg.], Weinheim : Juventa Verl., 175-198 (2004)*

Bolte, G., Mielck, A.: *Umweltgerechtigkeit : Die soziale Verteilung von Umweltbelastungen. , Bolte, G. ; Mielck, A. [Hrsg.], Weinheim : Juventa, 279 S. (2004)*

Bolz, J.*, Uziel, D.*, Mühlfriedel, S.*, Güllmar, A.*, Peuckert, C.*, Zarbalis, K., Wurst, W., Torii, M.*, Levitt, P.*: Multiple roles of ephrins during the formation of thalamocortical projections : maps and more. *J. Neurobiol.* 59, 82-94 (2004)

Borkovich, K.A.*, Mannhaupt, G.: Lessons from the genome sequence of *Neurospora crassa* : Tracing the Path from genomic blueprint to multicellular organism. *Microbiol. Mol. Biol. Rev.* 68, 1-108 (2004)

Borm, P.J.A.*, Kreyling, W.: Toxicological Hazards of Inhaled Nanoparticles-Potential Implications for Drug Delivery. *J. Nanosci. Nanotechnol.* 4, 521-531 (2004)

Bors, W., Michel, C., Stettmaier, K.*, Lu, Y.*, Foo, Y.*: Antioxidant mechanisms of polyphenolic caffeic acid oligomers, constituents of *Salvia officinalis*. *Biol. Res.* 37, 301-311 (2004)

Bourbon, H.-M.*, Meisterernst, M.: A unified nomenclature for protein subunits of mediator complexes linking transcriptional regulators to RNA polymerase II. *Mol. Cell.* 14, 553-557 (2004)

Brahushi, F., Dörfler, U., Schroll, R., Munch, J.C.: Stimulation of reductive dechlorination of hexachlorobenzene in soil by inducing the native microbial activity. *Chemosphere* 55, 1477-1484 (2004)

Brennan, P.*, Buffler, P.A.*, Reynolds, P.*, Wu, A.H.*, Wichmann, H.-E., Agudo, A.*, Pershagen, G.*, Jöckel, K.-H.*, Benhamou, S.*, Greenberg, R.S.*, Merletti, F.*, Winck, C.*, Fonham, E.T.H.*, Kreuzer, M., Darby, S.C.*, Forastiere, F.*, Simonato, L.*, Boffetta, P.*: Secondhand smoke exposure in adulthood and risk of lung cancer among never smokers: A pooled analysis of two large studies. *Int. J. Cancer* 109, 125-131 (2004)

Brodski, C., Vogt Weisenhorn, D.M.V., Signore, M.*, Sillaber, I.*, Oesterheld, M.*, Broccoli, V.*, Acampora, D.*, Simeone, A.*, Wurst, W.: Localization and size of dopaminergic and serotonergic cell populations are controlled by the position of the midbrain-hindbrain organizer. *J. Neurosci.* 23, 4199-4207 (2003)

Brühl, H.*, Cihak, J.*, Schneider, M.A.*, Plachy, J.*, Rupp, T.*, Wenzel, I.*, Shakarami, M.*, Milz, S.*, Ellwart, J.W., Stangassinger, M.*, Schlöndorff, D.*, Mack, M.*: Dual role of CCR2 during initiation and progression of collagen-induced arthritis : Evidence for regulatory activity of CCR2+ T cells. *J. Immunol.* 172, 890-898 (2004)

Brüske-Hohlfeld, I., Cyrus, J., Peters, A., Dockery, D.W.*: Auswirkungen der Luftverschmutzung auf die Gesundheit : Ergebnisse epidemiologischer Studien. *Haus der Technik Fachbuch ; 36, Minimierung der Partikelemissionen von Verbrennungsmotoren*, Mayer, A. [Hrsg.], Renningen : expert-Verl., 58-71 (2004)

Buschmann, H., Fabri, C.O., Hauptmann, M., Hutzler, P., Laux, Th.*, Lloyd, C.W.*, Schäffner, A.R.: Helical growth of the Arabidopsis mutant *tortifolia1* reveals a plant-specific microtubule-associated protein. *Curr. Biol.* 14, 1515-1521 (2004)

Butkovic, V.*, Klasinc, L.*, Bors, W.: Kinetic study of flavonoid reactions with stable radicals. *J. Agr. Food Chem.* 52, 2816-2820 (2004)

Cabeza, N.*, Li, Z.*, Schulz, C.*, Kremmer, E., Massberg, S.*, Bültmann, A.*, Gawaz, M.*: Surface expression of collagen receptor Fc receptor-gamma/glycoprotein VI is enhanced on platelets in type 2 diabetes and mediates release of CD40 ligand and activation of endothelial cells. *Diabetes* 53, 2117-2121 (2004)

Caldwell, R.B., Kierzek, A.M.*, Arakawa, H., Bezzubov, Y., Zaim, J.*, Fiedler, P., Kutter, S., Blagodatski, A., Kostovska, D., Koter, M., Plachy, J.*, Carninci, P.*, Hayashizaki, Y.*, Buerstedde, J.-M.: Full-length cDNAs from chicken bursal lymphocytes to facilitate gene function analysis. *Genome Biol.* 6, 6-6.9 (2004)

Cataldi, T.R.I.*, Bianco, G.*, Frommberger, M., Schmitt-Kopplin, Ph.: Direct analysis of selected N-acryl-l-homoserine lactones by gas chromatography/mass spectrometry. *Rapid Commun. Mass Spectrom.* 18, 1341-1344 (2004)

Chahbane, N., Schramm, K.-W., Kettrup, A.: An in vitro model for screening estrogen activity of environmental samples after metabolism. *Organohalogen Compounds ; Vol. 66*, 711-714 (2004)

Chapman, R.D., Palancade, B.*, Lang, A., Bensaude, O.*, Eick, D.: The last CTD repeat of the mammalian RNA polymerase II large subunit is important for its stability. *Nucleic Acids Res.* 32, 35-44 (2004)

Chen, J., Xue, X., Schramm, K.-W., Quan, X.*, Yang, F.*, Kettrup, A.: Quantitative structure-property relationships for octanol-air partition coefficients of polychlorinated naphthalenes, chlorobenzenes and p,p'-DDT. *Comput. Biol. Chem.* 27, 165-171 (2003)

Chen, J.W.*, Harner, T.*, Schramm, K.-W., Quan, X.*, Xue, X.Y., Kettrup, A.: Quantitative relationships between molecular structures, environmental temperatures and octanol-air partition coefficients of polychlorinated biphenyls. *Comput. Biol. Chem.* 27, 405-421 (2003)

Chen, J.W.*, Harner, T.*, Yang, P.*, Quan, X.*, Chen, S.*, Schramm, K.-W., Kettrup, A.: Quantitative predictive models for octanol-air partition coefficients of polybrominated diphenyl ethers at different temperatures. *Chemosphere* 51, 577-584 (2003)

Chen, J.W.*, Yang, P.*, Chen, S.*, Quan, X.*, Yuan, X.*, Schramm, K.-W., Kettrup, A.: Quantitative structure-property relationships for vapor pressures of polybrominated diphenyl ethers. *SAR QSAR Environ. Res.*, 97-111 (2003)

Chen, Y.*, Bender, R.A.*, Brunson, K.L.*, Pomper, J.K.*, Grigoriadis, D.E.*, Wurst, W., Baram, T.Z.*: Modulation of dendritic differentiation by corticotropin-releasing factor in the developing hippocampus. *Proc. Natl. Acad. Sci. USA* 101, 15782-15787 (2004)

Chi, C.L.*, Martinez, S.*, Wurst, W., Martin, G.R.*: The isthmus organizer signal FGF8 is required for cell survival in the prospective midbrain and cerebellum. *Development* 130, 2633-2644 (2003)

Chiappe, C., Lenoir, D., Pomelli, C.S.*, Bianchini, R.*: Influence of alkene structure on the stability of alkene-Br₂ complexes: Effect of chlorine substitution. *Phys. Chem. Chem. Phys.* 6, 3235-3240 (2004)

Chinn, S., Jarvis, D.*, Burney, P.*, Luczynska, C.*, Ackermann-Liebrich, U.*, Antó, J.M.*, de Marco, R.*, Gislason, T.*, Heinrich, J., Janson, C.*, Künzli, N.*, Leynaert, B.*, Neukirch, F.*, Schouten, J.*, Sunyer, J.*, Svanes, C.*, Vermeire, P.*, Wjst, M.: Increase in diagnosed asthma but not in symptoms in the European community respiratory health survey. *Thorax* 59, 646-651 (2004)

Cichon, S.*, Klopp, N., Illig, T.: Lack of support for a genetic association of the XBP1 promoter polymorphism with bipolar disorder in probands of European origin. *Nat. Genet.* 36, 783-785 (2004)

Clauss, M.*, Lendl, Ch.*, Schramel, P., Streich, W.J.*: Skin lesions in alpacas and llamas with low zinc and copper status - a preliminary report. *Vet. J.* 167, 302-305 (2004)

Cohet, C.*, Borel, S.*, Nyberg, F.*, Mukeria, A.*, Bröske-Hohlfeld, I., Constantinescu, V.*, Benhamou, S.*, Brennan, P.*, Hall, J.*, Boffetta, P.*: Exon 5 polymorphisms in the O6-alkylguanine DNA alkyltransferase gene and lung cancer risk in non-smokers exposed to second-hand smoke. *Cancer Epidemiol. Biomarkers Prev.* 13, 320-323 (2004)

Conrad, M., Jakupoglu, C., Moreno, S.G., Lippl, S., Banjac, A., Schneider, M., Beck, H., Hatzopoulos, A.K., Just, U., Sinowatz, F.*, Schmahl, W.*, Chien, K.R.*, Wurst, W., Bornkamm, G.W., Brielmeier, M.: Essential role for mitochondrial thioredoxin reductase in hematopoiesis, heart development and heart function. *Mol. Cell. Biol.* 24, 9414-9423 (2004)

Cordero, E.*, Gröchenig, K.: Localization of frames II. *Appl. Comput. Harmon. Anal.* 17, 29-47 (2004)

Corradi, A.*, Croci, L.*, Broccoli, V.*, Zecchini, S.*, Previtali, S.*, Wurst, W., Amadio, S.*, Maggi, R.*, Quattrini, A.*, Consalez, G.G.*: Hypogonadotropic hypogonadism and peripheral neuropathy in Ebf2-null mice. *Development* 130, 401-410 (2003)

Corzillius, M.*, Mühlberger, N., Sroczynski, G.*, Jaeger, H.*, Wasem, J.*, Siebert, U.*: Cost effectiveness analysis of routine use of genotypic antiretroviral resistance testing after failure of antiretroviral treatment for HIV. *Antivir. Ther.* 9, 27-36 (2004)

- Cosma, A., Bühler, S.*, Nagaraj, R., Staib, C.*, Hammarin, A.-L.*, Wahren, B.*, Goebel, F.D.*, Erfle, V., Sutter, G.: Neutralization assay using a modified vaccinia virus Ankara vector expressing the green fluorescent protein is a high-throughput method to monitor the humoral immune response against vaccinia virus. *Clin. Diagn. Lab. Immun.* 11, 406-410 (2004)
- Cox, L., Fernandes, M.C.*, Zsolnay, A., Hermosin, M.C.*, Cornejo, J.*: Changes in dissolved organic carbon of soil amendments with aging : Effect on pesticide adsorption behavior. *J. Agr. Food Chem.* 52, 5635-5642 (2004)
- Crass, T.*, Gailus-Durner, V., Grote, K., O'Keeffe, S.O., Mewes, H.-W., Mokrejs, M., Schneider, R., Thoppae, G., Warfsmann, J., Werner, T.: The Helmholtz network for bioinformatics : an integrative web portal bioinformatics resources. *Bioinformatics* 20, 268-270 (2004)
- Crispo, A.*, Brennan, P.*, Köckel, K.-H.*, Schaffrath-Rosario A., Wichmann, H.-E., Nyberg, F.*, Simonato, L.*, Merletti, F.*, Forastiere, F.*, Boffetta, P.*, Darby, S.*: The cumulative risk of lung cancer among current, ex- and never-smokers in European men. *Brit. J. Cancer* 91, 1280-1286 (2004)
- Cukurcam, S.*, Sun, F.*, Betzendahl, I.*, Adler, I.-D., Eichenlaub-Ritter, U.*: Trichlorfon predisposes to aneuploidy and interferes with spindle formation in in vitro maturing mouse oocytes. *Mutat. Res. -Gen. Tox. Env. Mutat.* 564, 165-178 (2004)
- Cyrys, J., Pitz, M.*, Bischof, W.*, Wichmann, H.-E., Heinrich, J.: Relationship between indoor and outdoor levels of fine particle mass, particle number concentrations and black smoke under different ventilation conditions. *J. Expo. Anal. Env. Epid.* 14, 275-283 (2004)
- Dalke, C., Löster, J., Fuchs, H., Gailus-Durner, V., Soewarto, D., Favor, J., Neuhäuser-Klaus, A., Pretsch, W., Gekeler, F.*, Shinoda, K.*, Zrenner, E.*, Meitinger, Th., Hrabe de Angelis, M., Graw, J.: Electroretinography as a screening method for mutations causing retinal dysfunction in mice. *Invest. Ophth. Vis. Sci.* 45, 601-609 (2004)
- Danielopol, D.L.*, Gibert, J.*, Griebler, C., Gunatilaka, A.*, Hahn, H.J.*, Messana, G.*, Notenboom, J.*, Sket, B.*: Incorporating ecological perspectives in European groundwater management policy. *Environ. Conserv.* 31, 185-189 (2004)
- Darsow, U., Laifaoui, J.*, Kerschenlohr, K.*, Wollenberg, A.*, Przybilla, B.*, Wüthrich, B.*, Borelli, S. Jr.*, Giusti, F.*, Seidenari, S.*, Drzimalla, K.*, Simon, D.*, Disch, R.*, Borelli, S.*, Devillers, A.C.A.*, Ring, J. (u.a.): The prevalence of positive reactions in the atopy patch test with aeroallergens and food allergens in subjects with atopic eczema : A European multicenter study. *Allergy* 59, 1318-1325 (2004)
- Dat, J.F.*, Pellinen, R.*, Beeckman, T.*, van de Cotte, B.*, Langebartels, Ch., Kangasjärvi, J.*, Inze, D.*, van Breusegem, F.*: Changes in hydrogen peroxide homeostasis trigger an active cell death process in tobacco. *Plant J.* 33, 621-632 (2003)
- Dayyani, F.*, Joeinig, A.*, Ziegler-Heitbrock, L., Schmidmaier, R.*, Straka, C.*, Emmerich, B.*, Meinhardt, G.*: Autologous stem-cell transplantation restores the functional properties of CD14+CD16+ monocytes in patients with myeloma and lymphoma. *J. Leukocyte Biol.* 75, 207-213 (2004)
- Demski, H., Hildebrand, C., Engelbrecht, R., Birkmann, C.: DIABCARD, the portable patient record - pursuing routine use. *Contribution of Medical Informatics to Health: Integrated Clinical Data and Knowledge to Support Primary, Secondary, Tertiary Home Care. Proceedings of the European Federation for Medical Informatics Special Topics Conference 2004, Berlin : Akadem. Verlagsges., 122-123 (2004)*
- Dickey, C.A.*, Heal, K.V.*, Stidson, R.T.*, Koren, R.*, Schröder, P., Cape, J.N.*, Heal, M.R.*: Trichloroacetic acid cycling in Sitka spruce saplings and effects on sapling health following long term exposure. *Environ. Pollut.* 130, 165-176 (2004)
- Diekmann, F., Nepovim, A.*, Schröder, P.: Influence of *Serratia liquefaciens* and a xenobiotic glutathione on the detoxification enzymes in a hairy root culture of Horseradish (*Armoracia rusticana*). *J. Appl. Bot. - Angew. Bot.* 78, 64-67 (2004)

Dilly, O., Bloem, J.*, Vos, A.*, Munch, J.C.: Bacterial diversity in agricultural soils during litter decomposition. *Appl. Environ. Microbiol.* 70, 468-474 (2004)

Donaldson, K.*, Stone, V.*, Tran, C.L.*, Kreyling, W., Borm, P.J.A.*: Nanotoxicology. *Occup. Environ. Med.* 61, 727-728 (2004)

Dorfner, R., Ferge, Th., Yeretzyan, C.*, Kettrup, A., Zimmermann, R.: Laser Mass Spectrometry as On-line Sensor for Industrial Process Analysis : Process Control of Coffee Roasting. *Anal. Chem.* 76, 1386-1402 (2004)

Döring, A., Fröhlich, M.*, Löwel, H., Koenig, W.*: Third generation oral contraceptive use and cardiovascular risk factors. *Atherosclerosis* 172, 281-286 (2004)

Dörmer, P., Spitzer, E., Frankenberger, M., Kremmer, E.: Erythroid differentiation regulator (EDR), a novel, highly conserved factor I. induction of haemoglobin synthesis in erythroleukaemic cells. *Cytokine* 26, 231-242 (2004)

Dörmer, P., Spitzer, E., Möller, W.: EDR is a stress-related survival factor from stroma and other tissues acting on early haematopoietic progenitors (E-Mix). *Cytokine* 27, 47-57 (2004)

Drexler, G.A., Rogge, S., Beisker, W., Eckardt-Schupp, F., Zdzienicka, M.Z.*, Fritz, E.: Spontaneous homologous recombination is decreased in Rad51C-deficient hamster cells. *DNA Repair* 3, 1335-1343 (2004)

Drexler, G.A., Wilde, S., Beisker, W., Ellwart, J., Eckardt-Schupp, F., Fritz, E.: The rate of extrachromosomal homologous recombination within a novel reporter plasmid is elevated in cells lacking functional ATM protein. *DNA Repair* 3, 1345-1353 (2004)

Drexler, I., Staib, C.*, Sutter, G.: Modified vaccinia virus Ankara as antigen delivery system : how can we best use its potential. *Curr. Opin. Biotech.* 15, 506-512 (2004)

Eberlein-König, B., Darsow, U., Ring, J., Behrendt, H.: Einfluss von Bioaerosolen auf das Hautorgan. *Schriftenreihe des Instituts für medizinische Mikrobiologie und Hygiene der Universität zu Lübeck ; Band 8, Erfassung biogener und chemischer Schadstoffe des Innenraumes und die Bewertung umweltbezogener Gesundheitsrisiken*, Keller, R. [Eds.], Lübeck : Schmidt-Römhild, 113-135 (2004)

Eberlein-König, B., Rakoski, J.*, Behrendt, H., Ring, J.*: Use of CD63 expression as marker of in vitro basophil activation in identifying the culprit in insect venom allergy. *J. Invest. Allerg. Clin. Immunol.* 14, 10-16 (2004)

Eberlein-König, B., Ring, J.*: Diagnosis of IgE-mediated hymenoptera venom anaphylaxis in patients with negative skin tests and negative RAST using cellular in vitro tests. *J. Allergy Clin. Immunol.* 113, S.1223 (2004)

Eberlein-König, B., Wessner, D.*, Jessberger, B.*, Rakoski, J.*, Ring, J.*: Immunohistochemical investigation of late-phase cutaneous reactions to insect sting challenges during venom immunotherapy. *Allergo J.* 12, 388-392 (2003)

Ebert, R.*, Jovanovic, M.*, Ulmer, M.*, Schneider, D.*, Meissner-Weigl, J.*, Adamski, J., Jakob, F.*: Down-regulation by nuclear factor κ B of human 25-hydroxyvitamin D3 1 α -hydroxylase promoter. *Mol. Endocrinol.* 18, 2440-2450 (2004)

Ebinger, M.*, Leidl, R., Thomas, S.*, von Tirpitz, Ch.*, Reinshagen, M.*, Adler, G.*, König, H.-H.*: Cost of outpatient care in patients with inflammatory bowel disease in a German University Hospital. *J. Gastroent. Hepatol.* 19, 192-199 (2004)

Eckardt-Schupp, F., Mörtl, S., Fritz, E.: The network of radiation responses and genomic stability. *Life Sciences and Radiation : Accomplishments and Future Directions*, Kiefer, J. [Ed.], Berlin : Springer, 59-67 (2004)

Eichhorn, M.E.*, Becker, S.*, Strieth, S.*, Werner, A.*, Michaelis, U.*, Ruhstorfer, H., Griebel, J.*, Brix, G.*, Jauch, K.-W.*, Dellian, M.*: Dynamische Magnetresonanztomographie zum Monitoring der Effektivität einer antivaskulären Tumortherapie durch Paclitaxel enkapsuliert in kationische Lipidkomplexe. *Chirurgisches Forum ;* 33, Berlin : Springer, 39-41 (2004)

El-Faramawy, N.A., Göksu, H.Y., Panzer, W.: Thermoluminescence dosimetric properties of a new thin beta detector (LiF:Mg, Cu, P; GR-200F) in comparison with highly sensitive Al₂O₃:C beta dosimeters. *J. Radiol. Prot.* 24, 273-282 (2004)

Eller, M., Holle, R., Reitmeir, P., John, J., Nagl, H., Mielck, A.: Die Härtefallregelungen innerhalb der Gesetzlichen Krankenversicherung - wie viele Versicherte sind anspruchsberechtigt?. *Soz. Fortschr.* 53, 1-7 (2004)

Eller, M., Langer, B.*, Pfaff, A.*, Mielck, A.: Härtefallregelungen innerhalb der GKV. Gleicher Anspruch, aber ungleiche Inanspruchnahme - was sind die Ursachen?. *Entstaatlichung und Soziale Sicherheit. Verhandlungen des 31. Kongresses der Deutschen Gesellschaft für Soziologie*, Allmendinger, J. (Hrsg.), Leipzig : Leske & Budrich, CD-ROM (2004)

Elders, H.-D.*, Bolte, G., Borte, M.*, Bolte, G. ; Mielck, A. [Hrsg.]: Einflüsse der sozialen Lage auf die Wohnumwelt von Neugeborenen - Ergebnisse einer epidemiologischen Studie zu Renovierungsaktivitäten im Innenraum. *Umweltgerechtigkeit: Die soziale Lage von Umweltbelastungen*, Weinheim : Juventa Verl., 117-138 (2004)

Engelbrecht, R., Demski, H., Hildebrand, C., Weigel, A.*, Kunder, J.*: Patientenchipkarte für die Kommunikation medizinischer Daten in der Diabetologie. *Med. Dokum. - Med. Inform. [MDI]* 1, 19-21 (2004)

Engelbrecht, R., Ingenerf, J.*, Reiner, J.: Educational standards - terminologies used. *Global Health Informatics Education*, Hovenga, E.J.S. ; Mantas, J. [Eds.], : IOS press, 95-113 (2004)

Engelbrecht, R.: Interoperability and Cards in Health Care. *J. Qual. Life Res.* 2, 38-40 (2004)

Engelbrecht, R.: Versorgungsprozesse der Zukunft : Informationstechnologie und Telematik und ihre Bedeutung für Versorgungsprozesse der Zukunft. *Jahrbuch der medizinischen Innovationen*, : Schattauer Verl., 106-113 (2004)

Engelbrecht, C.C., Schoof, H., Böhm, S.*: Conservation, diversification and expansion of C2H2 zinc finger proteins in the Arabidopsis thaliana genome. *BMC Genomics* 5, 1-17 (2004)

Engelhard, K.*, Werner, C.*, Eberspächer, E.*, Pape, M.*, Blobner, M.*, Hutzler, P., Kochs, E.*: Sevoflurane and Propofol influence the expression of apoptosis-regulating proteins after cerebral ischaemia and reperfusion in rats. *Eur. J. Anesth.* 21, 530-537 (2004)

Engelbrecht, C.C., Han, M., Mader, M.T., Osanger, A., Mayer, K.D.X.: Curated databases and their role in clinical bioinformatics. *Yearbook of Medical Informatics 2004*, 153-168 (2004)

- Englmeier, K.-H., Kettembeil, S.: Sprich mit mir - Virtuelle Realität : So heisst der Schlüssel zu einer besseren Kommunikation zwischen Medizinern und Computer. Jahresheft der HGF 2004, Berlin : Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszentren e.V., 53-58 (2004)
- Englmeier, K.-H., Schmid, K., Hildebrand, C., Bichler, S., Porta, M.*, Maurino, M.*, Bek, T.*: Early detection of diabetes retinopathy by new algorithms for automatic recognition of vascular changes. *Eur. J. Med. Res.* 9, 473-478 (2004)
- Erazo, N.*, Baumert, J., Ladwig, K.-H.: Sex-specific time patterns of suicidal acts on the German railway system. An analysis of 4003 cases. *J. Affect. Disorders* 83, 1-9 (2004)
- Ernst, D., Götz, M., Heidenreich, B., Heller, W., Krins, A., Seidlitz, H.K.: Spektrale Abhängigkeit der Regulation von pflanzlichen Schutzpigmenten. *Rundgespräche der Kommission für Ökologie ; Bd. 27, Erhöhte UV-Strahlung : Folgen und Maßnahmen*, München : Verl. Dr. Friedrich Pfeil, 81-87 (2004)
- Evdokimov, I.V.*, Ruser, R., Buegger, F., Marx, M., Goerke, K., Schneider, D., Munch, J.-C.: Respiration of rhizosphere and nonrhizosphere soil in a Greenhouse experiment with oat plants (*Avena sativa* L.). *Eurasian Soil Sci.* 37 (Suppl.1), 70-73 (2004)
- Fauth, C.*, O'Hare, M.J.*, Lederer, G.*, Jat, P.S.*, Speicher, M.R.: Order of genetic events is critical determinant of aberrations in chromosome count and structure. *Gene Chromosome Cancer* 40, 298-306 (2004)
- Feederle, R., Delecluse, H.J.*, Rouault, J.P.*, Schepers, A., Hammerschmidt, W.: Efficient somatic gene targeting in the lymphoid human cell line DG75. *Gene* 343, 91-97 (2004)
- Felix, K., Gerstmeier, S.*, Kyriakopoulos, A.*, Dong, H.-F.*, Eckhaus, M.*, Behne, D.*, Bornkamm, G.W., Janz, S.*: Selenium deficiency abrogates inflammation-dependent plasma cell tumors in mice. *Cancer Res.* 64, 2910-2917 (2004)
- Felix, K., Polack, A., Pretsch, W., Jackson, S.H.*, Feigenbaum, L.*, Bornkamm, G.-W., Janz, S.*: Moderate Hypermutability of a Transgenic lacZ Reporter Gene in Myc-Dependent Inflammation-Induced Plasma Cell Tumors in Mice. *Cancer Res.* 64, 530-537 (2004)
- Ferge, Th., Maguhn, J., Felber, H.*, Zimmermann, R.: Particle Collection Efficiency and Particle Re-entrainment of an Electrostatic Precipitator in a Sewage Sludge Incineration Plant. *Environ. Sci. Technol.* 38, 1545-1553 (2004)
- Fermin, M.L.*, Gaitán, S.*, Fragío, C.*, León, L.G.*, Ostronoff, L.K.*, Kremmer, E., Kolb, H.J., Tejero, C.*: Canine long-term bone marrow culture neutrophil production and functionality. *Acta Haematol.-Basel* 111, 196-204 (2004)
- Ferron, G.A., Roth, Ch., Heyder, J.: Drug targeting in the human respiratory tract. *J. Aerosol. Sci.* 35 (Suppl.2), 1265-1266 (2004)
- Fiedler, I., Voigt, G., Lochard, J.*, Croûail, P.*, Nisbet, A.*, Mercer, J.*, Green, N.*, Wilkens, B.*: Review of Infrastructures and Preparedness Systems in France, Germany and United Kingdom for Potential Releases of Radioactivity into the Environment. *GSF-Bericht 05/04*, Neuherberg : GSF-Forschungszentrum mbH, 67 S. (2004)
- Fiegl, M.*, Schlemmer, M., Wendtner, C.-M.*, Abdel-Rahman, S.*, Fahn, W.*, Issels, R.D.: Ifosfamide, carboplatin and etoposide (ICE) as second-line regimen alone and in combination with regional hyperthermia is active in chemo-pre-treated advanced soft tissue sarcoma of adults. *Int. J. Hyperther.* 20, 661-670 (2004)

Fill, U.A., Zankl, M., Petoussi-Henss, N., Siebert, M., Regulla, D.: Adult female voxel models of different stature and photon conversion coefficients for radiation protection. *Health Phys.* 86, 253-272 (2004)

Filser, J.G., Kessler, W., Csanády, G.A.: The Tuebingen Desiccator system, a tool to study oxidative stress in vivo and inhalation toxicokinetics. *Drug Metab. Rev.* 36, 787-803 (2004)

Filser, J.G.: Toxikokinetische Modelle. *Regulatorische Toxikologie: Gesundheitsschutz, Umweltschutz, Verbraucherschutz*, Reichl, F.-X. ; Schwenk, M. [Hrsg.], Berlin : Springer, 216-223 (2004)

Fischer, M., Lieb, W.*, Marold, D.*, Berthold, M.*, Baessler, A.*, Löwel, H., Hense, H.-W.*, Hengstenberg, C.*, Holmer, S.*, Schunkert, H.*, Erdmann, J.*: Lack of association of a 9 bp insertion/deletion polymorphism within the bradykinin 2 receptor gene with myocardial infarction. *Clin. Sci.* 107, 505-511 (2004)

Fleischer, K.*, Schmidt, B.*, Kastenmüller, W.*, Busch, D., Drexler, I., Sutter, G., Heike, M.*, Peschel, C.*, Bernhard, H.*: Melanoma-reactive class I-restricted cytotoxic T cell clones are stimulated by dendritic cells loaded with synthetic peptides, but fail to respond to dendritic cells pulsed with melanoma-derived heat shock proteins in vitro. *J. Immunol.* 172, 162-169 (2004)

Forczek, S.T.*, Uhlirova, H.*, Gryndler, M.*, Albrechtova, J.*, Fuksova, K.*, Vagner, M.*, Schröder, P., Matucha, M.*: Trichloroacetic acid and Norway Spruce. *Environmentalica* 17, 15-27 (2003)

Frankenberger, M., Menzel, M., Betz, R., Kaßner, G., Weber, N., Kohlhäufel, M., Häußinger, K., Ziegler-Heitbrock, L.: Characterization of a population of small macrophages in induced sputum of patients with chronic obstructive pulmonary disease and healthy volunteers. *Clin. Exp. Immunol.* 138, 507-516 (2004)

Frauscher, B.*, Högl, B.*, Maret, S.*, Wolf, E.*, Brandauer, E.*, Wenning, G.K.*, Kronenberg, M.F.*, Kronenberg, F., Tafti, M.*, Poewe, W.*: Association of daytime sleepiness with COMT polymorphism in patients with Parkinson disease : A pilot study. *Sleep* 27, 733-736 (2004)

Frommberger, M., Schmitt-Kopplin, Ph., Hartmann, A., Kettrup, A.: Analytik bakterieller Signalstoffe in komplexen mikrobiologischen Proben. *GIT Labor-Fachzeitschrift* 4, 325-329 (2004)

Frommberger, M., Schmitt-Kopplin, Ph., Ping, G.*, Frisch, H., Schmid, M., Zhang, Y.*, Hartmann, A., Kettrup, A.: A simple and robust set-up for on-column sample preconcentration - nano-liquid chromatography - electrospray ionization mass spectrometry for the analysis of N-acylhomoserine lactones. *Anal. Bioanal. Chem.* 378, 1014-1020 (2004)

Fuchs, M.*, Hutzler, P., Handschuh, G.*, Hermannstädter, C.*, Brunner, I., Höfler, H., Lubber, B.*: Dynamics of cell adhesion and motility in living cells is altered by single amino acid change in E-cadherin fused to enhanced green fluorescent protein. *Cell Motil. Cytoskel.* 59, 50-61 (2004)

Führ, H., Treiber, O., Wanninger, F.: Cluster-oriented detection of microcalcifications in simulated low-dose mammography. *Informatik aktuell, Bildverarbeitung für die Medizin 2003: Algorithmen, Systeme, Anwendungen*, Berlin : Springer, 96-100 (2003)

Fukuda, A.*, Nakadai, T.*, Shimada, M.*, Tsukui, T.*, Matsumoto, M.*, Nogi, Y.*, Meisterernst, M., Hisatake, K.*: Transcriptional coactivator PC4 stimulates promoter escape and facilitates transcriptional synergy by GAL4-VP16. *Mol. Cell. Biol.* 24, 6525-6535 (2004)

Gamboa-Dominguez, A.*, Dominguez-Fonseca, C.*, Quintanilla-Martinez, L., Reyes-Gutierrez, E.*, Green, D.*, Angeles-Angeles, A.*, Busch, R.*, Hermannstädter, Ch.*, Nährig, J.*, Becker, K.-F., Becker, I.*, Höfler, H., Fend, F.*, Lubber, B.*: Epidermal growth factor receptor expression correlates with poor survival in gastric adenocarcinoma from Mexican patients : A multivariate analysis using a standardized immunohistochemical detection system. *Modern Pathol.* 17, 579-587 (2004)

Gangnus, R.* , Langer, S., Breit, E.* , Pantel, K.* , Speicher, M.R.: Genomic profiling of viable and proliferative micrometastatic cells from early-stage breast cancer patients. *Clin. Cancer Res.* 10 (2004)

García, J.R.G.* , Bohlander, S.K., Angulo, M.G.* , Flores, M.A.E.* , Cárdenas, V.J.P.* , Espinoza, J.P.M.* , de la Luz Ayala Madrigal, M.* , Rivera, H.* : A t(1;9)(q23.~q25;q34) affecting the ABL1 gene in a biphenotypic leukemia. *Cancer Genet. Cytogen.* 152, 81-83 (2004)

Garger, E.K.* , Sazhenjuk, A.D.* , Odintsov, A.A.* , Roth, P., Tschiersch, J.: Estimation of rate constant for dissolution of radioactive fuel particles (in vitro). *Radiazionnaya Biologia Radioecologia* 44, 229-235 (2004)

Garger, E.K.* , Sazhenyuk, A.D.* , Odintzov, A.A.* , Paretzke, H.G., Roth, P., Tschiersch, J.: Solubility of airborne radioactive fuel particles from the Chernobyl reactor and implication to dose. *Radiat. Environ. Bioph.* 43, 43-49 (2004)

Gastpar, R.* , Gross, C.* , Rossbacher, L.* , Ellwart, J., Riegger, J.* , Multhoff, G.* : The cell surface-localized heat shock protein 70 epitope TKD induces migration and cytolytic activity selectively in human NK cells. *J. Immunol.* 172, 972-980 (2004)

Gattinger, A., Bausenwein, U., Bruns, Ch.* : Microbial biomass and activity in composts of different composition and age. *J. Plant Nutr. Soil Sci.* 167, 1-6 (2004)

Gavrilin, Y.* , Khrouch, V.* , Bouville, A.* : Individual thyroid dose estimation for a case-control study of Chernobyl related thyroid cancer among children of Belarus-Part I: 131I, short-lived radioiodines (132I, 133I, 135I) and short-lived radiotelluriums (131MTe and 132Te). *Health Phys.* 86, 565-585 (2004)

Gebert, J.* , Gröngröft, A.* , Schloter, M., Gattinger, A.: Community structure in a methanotroph biofilter as revealed by phospholipid fatty acid analysis. *FEMS Microbiol. Lett.* 240, 61-68 (2004)

Gehring, U., Bischof, W.* , Borte, M.* , Herbarth, O.* , Wichmann, H.-E., Heinrich, J.: Levels and predictors of endotoxin in matters dust samples from East and West German homes. *Indoor Air* 14, 284-292 (2004)

Gehring, U., Bischof, W.* , Schlenvoigt, G.* , Richter, K.* , Fahlbusch, B.* , Wichmann, H.-E., Heinrich, J.: Exposure to house dust endotoxin and allergic sensitization in adults. *Allergy* 59, 946-952 (2004)

Gehring, U., Triche, E.* , van Strien, R.T.* , Belanger, K.* , Holford, T.* , Gold, D.R.* , Jankun, T.* , Ren, P.* , McSharry, J.-E.* , Beckett, W.S.* , Platts-Mills, T.A.E.* , Chapman, M.D.* , Bracken, M.B.* , Leaderer, B.P.* : Prediction of residential pet and cockroach allergen levels using questionnaire information. *Environ. Health Persp.* 112, 834-839 (2004)

Gehrmann, M.* , Brunner, M.* , Pfister, K.* , Reichle, A.* , Kremmer, E., Multhoff, G.* : Differential up-regulation of cytosolic and membrane-bound heat shock protein 70 in tumor cells by anti-inflammatory drugs. *Clin. Cancer Res.* 10, 3354-3364 (2004)

Geigl, J.B., Langer, S.* , Barwisch, S.* , Pfleghaar, K.* , Lederer, G.* , Speicher, M.R.: Analysis of gene expression patterns and chromosomal associated with aging. *Cancer Res.* 64, 8550-8557 (2004)

Geling, A.* , Plessy, C.* , Rastegar, S.* , Strähle, U.* , Bally-Cuif, L.: Her5 acts as a prepattern factor that blocks neurogenin1 and coe2 expression upstream of notch to inhibit neurogenesis at the midbrain-hindbrain boundary. *Development* 131, 1993-2006 (2004)

Geller, F.*, Reichwald, K.*, Dempfle, A.*, Illig, T., Vollmert, C., Herpertz, S.*, Siffert, W.*, Platzer, M.*, Hess, C.*, Gudermann, T.*, Biebermann, H.*, Wichmann, H.-E., Schäfer, H.*, Hinney, A.*, Hebebrand, J.*: Melanocortin-4 receptor gene variant I103 is negatively associated with obesity. *Am. J. Hum. Genet.* 74, 572-581 (2004)

Gerber, G.B., Wick, R.R.: The European radiobiology archives (ERA), present state and future developments. *Radiat. Prot. Dosim.* 112, 529-530 (2004)

Gerber, I.B.*, Zeidler, D., Durner, J., Dubery, I.A.*: Early perception responses of *Nicotiana tabacum* cells in response to lipopolysaccharides from *Burkholderia cepacia*. *Planta* 218, 647-657 (2004)

Gering, F., Richter, K., Müller, H.: Combination of measurements and model predictions after a release of radionuclides. *Kerntechnik* 69, 243-247 (2004)

Gering, F., Weiss, W.*, Wirth, E.*, Stapel, R.*, Jacob, P., Müller, H., Pröhl, G.: Assessment and evaluation of the radiological situation in the late phase of a nuclear accident. *Radiat. Prot. Dosim.* 109, 25-29 (2004)

Gerstmann, U.C., Rosner, G., Schramel, P.: Bioavailability of ²³⁹⁺²⁴⁰Pu and ¹³⁷Cs in aerosols and deposited dusts : a comparative study by fractional extraction. *Radiat. Environ. Bioph.* 43, 111-117 (2004)

Getenga, Z.M.*, Dorfler, U., Reiner, S., Sabine, K.: Determination of a suitable sterilization method for soil in isoproturon biodegradation studies. *B. Environ. Contam. Tox.* 72, 415-421 (2004)

Geyer, H.J., Schramm, K.-W., Darnerud, P.O.*, Aune, M.*, Feicht, E.A., Fried, K.W., Henkelmann, B., Lenoir, D., Schmid, P.*, McDonald, T.A.*: Terminal elimination half-lives of the brominated flame retardants TBBPA, HBCD and lower brominated PBDEs in humans. *Organohalogen Compounds ; Vol. 66*, 3867-3872 (2004)

Giehl, K.*, Eckstein, G.N., Benet-Pagès, A., Tosti, A.*, de Berker, D.A.R.*, Meitinger, Th., Müller-Myhsok, B.*, Strom, T.M.: A gene locus responsible for the familial hair shaft abnormality pili annulati maps to chromosome 12q24.32-24.33. *J. Invest. Dermatol.* 123, 1073-1077 (2004)

Gilmour, P.S.*, Ziesenis, A., Morrison, E.R.*, Vickers, M.A.*, Drost, E.M.*, Ford, I.*, Karg, E., Mossa, C., Schroepel, A., Ferron, G.A., Heyder, J., Greaves, M.*, MacNee, W.*, Donaldson, K.*: Pulmonary and systematic effects of short-term inhalation exposure to ultrafine carbon black particles. *Toxicol. Appl. Pharm.* 195, 35-44 (2004)

Gires, O., Eskofier, S.*, Lang, S.*, Zeidler, R.*, Münz, M.: Cloning and characterisation of a 1.1kb fragment of the carcinoma-associated epithelial cell adhesion molecule promoter. *Anticancer Res.* 23, 3255-3262 (2003)

Gires, O., Münz, M.*, Schaffrik, M.*, Kieu, C.*, Rauch, J.*, Ahlemann, M.*, Eberle, D.*, Mack, B.*, Wollenberg, B.*, Lang, S.*, Hofmann, T.*, Hammerschmidt, W., Zeidler, R.*: Profile identification of disease-associated humoral antigens using AMIDA, a novel proteomics-based technology. *Cell. Mol. Life Sci.* 61, 1198-1207 (2004)

Gläser, B.*, Shirneshan, K.*, Bink, K., Wirth, J.*, Kehrer-Sawatzki, H.*, Bartz, U.*, Zoll, B.*, Bohlander, S.K.: Molecular cytogenetic analysis of a de novo balanced X;autosome translocation : Evidence for predominant inactivation of the derivative X chromosome in a girl with multiple malformations. *Am. J. Med. Genet. A* 126A, 229-236 (2004)

Glombitza, S., Dubuis, P.-H.*, Thulke, O., Welzl, G., Bovet, L.*, Götz, M., Affenzeller, M., Geist, B., Hehn, A.*, Asnaghi, C.*, Ernst, D., Seidlitz, H.K., Gundlach, H., Mayer, K.F., Martinoia, E.*, Werck-Reichhart, D.*, Mauch, F.*, Schäffner, A.R.: Crosstalk and differential response to abiotic and biotic stressors reflected at the transcriptional level of effector genes from secondary metabolism. *Plant Mol. Biol.* 54, 817-835 (2004)

Gohlke, H., Illig, T., Bahnweg, M., Klopp, N., André, E., Altmüller, J., Herbon, N., Werner, M., Knapp, M.*, Pescollenderung, L.*, Boner, A.*, Malerba, G.*, Pignatti, P.*, Wjst, M.: Association of the Interleukin-1 Receptor Antagonist Gene with Asthma. *Am. J. Respir. Crit. Care Med.* 169, 1217-1223 (2004)

Gómez-Ros, J.M.*, Pröhl, G., Taranenko, V.*: Estimation of internal and external exposures of terrestrial reference organisms to natural radionuclides in the environment. *J. Radiol. Prot.* 24, 79-88 (2004)

Gordadze, A.V.*, Onunwor, C.W.*, Peng, R.S.*, Poston, D.*, Kremmer, E., Ling, P.D.*: EBNA2 amino acids 3 to 30 are required for induction of LMP-1 and immortalization maintenance. *J. Virol.* 78, 3919-3929 (2004)

Gostynski, M.*, Gutzwiller, F.*, Kuulasmaa, K.*, Döring, A., Ferrario, M.*, Grafnetter, D.*, Pajak, A.*: Analysis of the relationship between total cholesterol, age, body mass index among males and females in the WHO MONICA Project. *Int. J. Obesity* 28, 1082-1090 (2004)

Göttlicher, M.: Valproic acid : An old drug newly discovered as inhibitor of histone deacetylases. *Ann. Hematol.* 83 (Suppl.1), 91-92 (2004)

Graichen, H., von Eisenhart-Rothe, R.*, Vogl, Th.*, Englmeier, K.-H., Eckstein, F.*: Quantitative assessment of cartilage status in osteoarthritis by quantitative magnetic resonance imaging : technical validation for use in analysis of cartilage volume and further morphologic parameters. *Arth. Rheumat.* 50, 811-816 (2004)

Graw, J., Neuhäuser-Klaus, A., Klopp, N., Selby, P.B.*, Löster, J., Favor, J.: Genetic and allelic heterogeneity of Cryg mutations in eight distinct forms of dominant cataract in the mouse. *Invest. Ophth. Vis. Sci.* 45, 1202-1213 (2004)

Graw, J.: Congenital hereditary cataracts. *Int. J. Dev. Biol.* 48, 1031-1044 (2004)

Greenwood, A.D.*, Engelbrecht, C.C., MacPhee, R.D.E.*: Characterization of an endogenous retrovirus class in elephants and their relatives. *BMC Evol. Biol.* 4 (2004)

Griebler, C., Adrian, L.*, Meckenstock, R.U., Richnow, H.H.*: Stable carbon isotope fractionation during aerobic and anaerobic transformation of trichlorobenzene. *FEMS Microbiol. Ecol.* 48, 313-321 (2004)

Griebler, Ch., Safinowski, M.*, Vieth, A.*, Richnow, H.H.*, Meckenstock, R.U.: Combined application of stable carbon isotope analysis and specific metabolites determination for assessing in situ degradation of aromatic hydrocarbons in a Tar oil-contaminated aquifer. *Environ. Sci. Technol.* 38, 617-631 (2004)

Griese, M., Ramakers, J.*, Krasselt, A.*, Starosta, V.*, van Koningsbruggen, S.*, Fischer, R.*, Ratjen, F.*, Müllinger, B.*, Huber, R.M.*, Maier, K., Rietschel, E.*, Scheuch, G.*: Improvement of alveolar glutathione and lung function but not oxidative state in cystic fibrosis. *Am. J. Respir. Crit. Care Med.* 169, 822-828 (2004)

Gross, C.*, Schmidt-Wolf, I.G.H.*, Nagaraj, S.*, Gastpar, R.*, Ellwart, J., Kunz-Schughart, L.A.*, Multhoff, G.*: Heat shock protein 70-reactivity is associated with increased cell surface density of CD94/CD56 on primary natural killer cells. *Cell Stress Chaperon.* 8, 348-360 (2003)

Gryparis, A.*, Wichmann, H.-E.: Acute effects of ozone on mortality from the Air pollution and health : A European approach project. *Am. J. Respir. Crit. Care Med.* 170, 1080-1087 (2004)

Gutermuth, J., Ollert, M., Ring, J.*, Behrendt, H., Jacob, T.*: Mouse models of atopic eczema critically evaluated. *Int. Arch. Allergy Immunol.* 135, 262-276 (2004)

GSF - Publication List 2004

(* external author)

Haberer, G., Hindemitt, T., Meyers, B.C.*, Mayer, K.F.X.: Transcriptional similarities, dissimilarities and conservation of cis-elements in duplicated genes of Arabidopsis. *Plant Physiol.* 136, 3009-3022 (2004)

Hack, M.A., Sugimori, M.*: Regionalization and fate specification in neurospheres : the role of Olig2 and Pax6. *Mol. Cell. Neurosci.* 25, 664-678 (2004)

Haffner, C.*, Frauli, M.*, Topp, S., Irmeler, M.*, Hofmann, K.*, Regula, J.T.*, Bally-Cuif, L., Haass, C.*: Nicalin and its binding partner Nomo are novel nodal signaling antagonists. *EMBO J.* 23, 3041-3050 (2004)

Hagn, A.: Einfluss verschiedener Bewirtschaftungssysteme auf die Diversität von Bodenpilzen. FAM-Bericht ; 63, Aachen : Shaker Verl., 244 S. (2004)

Hahn, H.*, Nitzki, F.*, Schorban, T.*, Hemmerlein, B.*, Threadgill, D.*, Rosemann, M.: Genetic mapping of a Ptch1-associated rhabdomyosarcoma susceptibility locus on mouse chromosome 2. *Genomics* 84, 853-858 (2004)

Hahn, K.R., Prigarin, S.*, Hasan, K.*: A novel denoising technique for very noisy diffusion tensor imaging data. *Proc. Intl. Soc. Mag. Reson. Med.* 11, S.1208 (2004)

Halbach, St., Welzl, G.: In-situ measurements of low-level mercury vapor exposure from dental amalgam with zeeman atomic absorption spectroscopy. *Toxicol. Mech. Methods* 14, 293-299 (2004)

Hamimes, S.*, Arakawa, H., Stasiak, A.Z.*, Kierek, A.M.*, Hirano, S.*, Yang, Y.-G.*, Takata, M.*, Buerstedde, J.-M., van Dyck, E.*: RDM1, a novel RNA-recognition MOTIF (RRM)-containing protein involved in the cell response to cisplatin in vertebrates. *J. Biol. Chem.*, 9225-9235 (2005)

Hammerschmidt, Th.*, Zeitler, H.-P.*, Gulich, M.*, Leidl, R.: A comparison of different strategies to collect standard gamble utilities. *Med. Decis. Making*, 493-503 (2004)

Hammerschmidt, W., Sugden, B.*: Epstein-Barr virus sustains Burkitt's lymphomas and Hodgkin's disease. *Trends Mol. Med.* 10, 331-336 (2004)

Hansdottir, A.G.*, Palsdottir, K.*, Favor, J., Neuhäuser-Klaus, A., Fuchs, H., Hrabe de Angelis, M., Steingrimsson, E.*: The novel mouse microphthalmia mutations Mitfmi-enu5 and Mitfmi-bcc2 produce dominant negative Mitf proteins. *Genomics* 83, 932-935 (2004)

Happich, M.: The Convergence of Life Expectancy in the OECD Countries. 2. International Conference on Health Economics and Health Management, Birch, S. ; Bridges, J.F.P. ; Papanikos, G.T. [Eds.], Athen : Atiner, 83-92 (2004)

Harder, D., Petoussi-Henß, N., Regulla, D., Zankl, M., Dietze, G.*: Spectra of scattered photons in large absorbers and their importance for the values of radiation weighting factor WR. *Radiat. Prot. Dosim.* 109, 291-295 (2004)

Hartmann, A., Gantner, S., Schuegger, R.*, Steidle, A.*, Durr, C., Schmid, M., Dazzo, F.*, Eberl, L.*, Langebartels, C.: N-acyl homoserine lactones of rhizosphere bacteria trigger systemic resistance in tomato plants. *Biology of Plant-Microbe Interactions ; Vol. 4, Proceedings of the 11. International Congress on Molecular Plant-Microbe Interactions*, 554-556 (2004)

Haubst, N.*, Berger, J.*, Radjendirane, V.*, Graw, J., Favor, J., Saunders, G.F.*, Stoykova, A.*, Götz, M.: Molecular dissection of Pax6 function : The specific roles of the paired domain and homeodomain in brain development. *Development* 131, 6131-6140 (2004)

Hauler, T.E., Boesl, U.*, Kaesdorf, S.*, Zimmermann, R.: Mobile resonance enhanced multiphoton ionisation-time-of-flight mass spectrometer with a novel hybrid laser desorption/molecular beam ion source for rapid detection of aromatic trace compounds from gas phase and solid samples. *J. Chromatogr. A* 1058, 39-49 (2004)

Hauptner, A.*, Dietzel, S.*, Drexler, G.A., Reichart, P.*, Krücken, R.*, Cremer, T.*, Friedl, A.A., Dollinger, G.*: Microirradiation of cells with energetic heavy ions. *Radiat. Environ. Bioph.* 42, 237-245 (2004)

Hazenkamp-von Arx, M.E.*, Götschi, Th.*, Ackermann-Liebrich, U.*, Bono, R.*, Burney, P.*, Cyrus, J., Jarvis, D.*, Lillienberg, L.*, Luczynska, C.*, Maldonado, J.A.*, Jaén, A.*, de Marco, R.*, Mi, Y.*, Modig, L.*, Bayer-Oglesby, L.*, Payo, F.*, Soon, A.*, Sunyer, J.*, Villani, S.*, Weyler, J.*, Künzli, N.*: PM2.5 and NO2 assessment in 21 European study centres of ECRHS II: annual means and seasonal differences. *Atmos. Environ.* 38, 1943-1953 (2004)

Heid, I.M., Küchenhoff, H.*, Miles, J.*, Kreienbrock, L.*, Wichmann, H.-E.: Two dimensions of measurements error : Classical and Berkson error in residential radon exposure assessment. *J. Expo. Anal. Env. Epid.* 14, 365-377 (2004)

Heidenreich, W.F., Bogdanova, T.I.*, Biryokov, A.G.*, Tronko, N.D.*: Time trends of thyroid cancer incidence in Ukraine after the Chernobyl accident. *J. Radiol. Prot.* 24, 283-293 (2004)

Heidenreich, W.F., Collier, C.*, Morlier, J.P.*, Cross, F.T.*, Kaiser, J.C., Monchaux, G.*: Age-adjustment in experimental animal data and its application to lung cancer in radon-exposed rats. *Radiat. Environ. Bioph.* 43, 183-188 (2004)

Heidenreich, W.F., Luebeck, E.G.*, Hazelton, W.D.*, Paretzke, H.G., Moolgavkar, S.H.*: Letters to the Editor. *Radiat. Res.* 161, 369-371 (2004)

Heidenreich, W.F., Luebeck, E.G.*, Moolgavkar, S.H.*: Effects of exposure uncertainties in the TSCE model and application to the Colorado miners data. *Radiat. Res.* 161, 72-81 (2004)

Heim, S.*, Hahn, K., Auer, D.P.*, Fahrmeir, L.*: Diffusion tensor magnetic resonance imaging in human brain research. *Biometrical J.* 46 (Suppl.), S.18 (2004)

Heim, S.*, Hahn, K., Auer, D.P.*, Fahrmeir, L.*: Optimization of fiber tracking in human brain mapping : Statistical challenges. *Proceedings of the 19. International Workshop on Statistical Modelling, Firenze, Italy : University Press*, 296-300 (2004)

Heim, S.*, Hahn, K., Sämann, P.G.*, Fahrmeir, L.*, Auer, D.P.*: Assessing DTI data quality using bootstrap analysis. *Magnet. Reson. Med.* 52, 582-589 (2004)

Heinisch, E., Kettrup, A., Bergheim, W., Wenzel, S.*: Persistente chlorierte Kohlenwasserstoffe (PCKW) - End- und Zwischenprodukte technischer Synthesen in Gewässern der Rheinregion. *GSF-Bericht 12/03, Neuherberg : GSF-Forschungszentrum mbH*, 238 S. (2003)

Heinisch, E., Kettrup, A., Bergheim, W., Wenzel, S.*: Persistent chlorinated hydrocarbons (PCHC), source-oriented monitoring in aquatic media. 1. methods of data processing and evaluation. *Fres. Environ. Bull.* 13, 1461-1473 (2004)

Heinrich, J., Döring, A.: Blood pressure and rhinitis in adults : results of the MONICA/KORA-study. *J. Hypertens.* 22, 889-892 (2004)

Heinrich, J., Hölscher, B., Seiwert, M.*, Carty, C.L.*, Merkel, G.*, Schulz, C.*: Nicotine and cotinine in adults' urine : The German environmental survey 1998. *J. Expo. Anal. Env. Epid.* 15, 74-80 (2005)

Heinrich, J., Raghuyamshi, V.S.: Air pollution and otitis media : A review of evidence from epidemiologic studies. *Curr. Allerg. Asthm. Rep.* 4, 302-309 (2004)

Heinrich, J., Wichmann, H.-J.: Traffic related pollutants in Europe and their effect on allergic disease. *Curr. Opin. Allergy Clin. Immunol.* 4, 341-348 (2004)

Hejlesen, O.*, Ege, B.*, Englmeier, K.-H., Aldington, S.*, McCanna, L.*, Bek, T.*: TOSCA-Imaging-Developing Internet Based Image Processing Software for Screening and Diagnosis of Diabetic Retinopathy. *MEDINFO 2004*, Fieschi, M. et al. [Eds.], Amsterdam : IOS Press, 222-226 (2004)

Hense, B.A., Severin, G.F., Jaser, W., Welzl, G., Pfister, G., Schramm, K.-W.: Untersuchung des Einflusses von hormonähnlichen Substanzen auf aquatische Ökosysteme in Mikrokosmenstudien. *Tagungsbericht 2003 ; Bd. 2, Tagungsbericht 2003 der Deutschen Gesellschaft für Limnologie e.V. (DGL)*, Berlin : Weißensee Verl., 584-589 (2004)

Hense, B.A., Severin, G.F., Welzl, G., Schramm, K.-W.: Effects of 17alpha-ethinylestradiol on zoo- and phytoplankton in lentic microcosms. *Anal. Bioanal. Chem.* 378, 716-724 (2004)

Hermann, F.*, Lehr, H.-A.*, Drexler, I., Sutter, G., Hengstler, J.*, Wollscheid, U.*, Seliger, B.*: HER-2/neu-mediated regulation of components of the MHC class I antigen-processing pathway. *Cancer Res.* 64, 215-220 (2004)

Hertkorn, N., Perdue, E.M.*, Kettrup, A.: A potentiometric and ¹¹³Cd NMR study of cadmium complexation by natural organic matter at two different magnetic field strengths. *Anal. Chem.* 76, 6327-6341 (2004)

Hertkorn, N., Schmitt-Kopplin, Ph., Junkers, J., Kettrup, A.: Die strukturchemische Charakterisierung von natürlicher organischer Materie und Huminstoffen mittels NMR-Spektroskopie und CE/MS. *GIT Labor-Fachzeitschrift* 5, 487-491 (2004)

Heussinger, N.*, Büttner, M.*, Ott, G.*, Brachtel, E.*, Pilch, B.Z.*, Kremmer, E., Niedobitek, G.*: Expression of the Epstein-Barr virus (EBV)-encoded latent membrane protein 2A (LMP2A) in EBV-associated nasopharyngeal carcinoma. *J. Pathol.* 203, 696-699 (2004)

Hieber, L., Zitzelsberger, H.: Molecular genetic mechanisms of radiocarcinogenesis and predictive markers for radioresistance in tumors - present work and future perspectives. *Life Sciences and Radiation*, Kiefer, J. [Ed.], Berlin : Springer, 103-110 (2004)

Hildebrand, C., Trpisovsky, T.*: Health cards and the need for a working group. *Contribution of Medical Informatics to Health: Integrated Clinical Data and Knowledge to Support Primary, Secondary, Tertiary Home Care. Proceedings of the European Federation for Medical Informatics Special Topics Conference 2004*, Berlin : Akadem. Verlagsges., 120-121 (2004)

Hillier, L.W.*, Caldwell, R.B., Arakawa, H., Bezzubov, Y., Buerstedde, J.-M.: Sequence and comparative analysis of the chicken genome provide unique perspectives on vertebrate evolution. *Nature* 432, 695-716 (2004)

- Hirano, S.*, Yamamoto, K.*, Ishiai, M.*, Yamazoe, M.*, Seki, M.*, Matsushita, N.*, Ohzeki, M.*, Yamashita, Y.M.*, Arakawa, H., Buerstedde, J.-M., Enomoto, T.*, Takeda, S.*, Thompson, L.H.*, Takata, M.*: Functional relationships of FANCC to homologous recombination, translesion synthesis and BLM. *EMBO J.* 24, 418-427 (2005)
- Hofer, T.P.J., Bitterle, E., Beck-Speier, I., Maier, K.L., Frankenberger, M., Heyder, J., Ziegler-Heitbrock, L.: Diesel exhaust particles increase LPS-stimulated COX-2 expression and PGE2 production in human monocytes. *J. Leukocyte Biol.* 75, 856-864 (2004)
- Hoffmann, I.*, Schäffer, E., Reese, S.*, Köstlin, R.*: Die sonographische Untersuchung des vorderen Augenabschnittes beim Kleintier. Teil 2: Pathologische Befunde. *Tierärztl. Prax. (K)* 32, 238-246 (2004)
- Hoffmann, W.*, Terschüren, C.*, Holle, R., Kamtsiuris, P.*, Bergmann, M.*, Kroke, A.*, Sauer, S.*, Stang, A.*, Latza, U.*: Zum Problem der Response in epidemiologischen Studien in Deutschland (Teil II). *Gesundheitswesen* 66, 482-491 (2004)
- Hofmann, T.*, Schmitt, B.*, Mack, B.*, Lang, S.*, Gires, O., Zeidler, R.*: New target genes for tumor-derived soluble factors in primary monocytes. *Cancer Genomics Proteomics*, 167-176 (2004)
- Hofstetter, Ch.*, Flonder, M.*, Thein, E.*, Hoeg, S.*, Kemming, G.I.*, Kisch-Wedel, H.*, Kreyling, W.G., Zwissler, B.*: Aerosol delivery during mechanical ventilation to the rat. *Exp. Lung Res.* 30, 635-651 (2004)
- Höllriegel, V., Röhmuß, M., Oeh, U., Roth, P.: Strontium biokinetics in humans : influence of alginate on the uptake of ingested strontium. *Health Phys.* 86, 193-196 (2004)
- Höllriegel, V., Röhmuß, M., Oeh, U., Werner, E., Roth, P.: Reduction in the absorption of dietary strontium in man by nutritional factors. 11. International Congress of the International Radiation Protection Association, CD-ROM (2004)
- Horn, M.*, Frishman, D., Rattei, T., Mewes, H.W.: Illuminating the evolutionary history of chlamydiae. *Science* 304, 728-730 (2004)
- Horwitz, J.*, Machtei, E.E.*, Reitmeir, P., Holle, R., Kim, T.-S.*, Eickholz, P.*: Radiographic parameters as prognostic indicators for healing of class II furcation defects. *J. Clin. Periodontol.* 31, 1-7 (2004)
- Höss, S.*, Traunspurger, W.*, Severin, G.F., Jüttner, I., Pfister, G., Schramm, K.-W.: Influence of 4-nonylphenol on the structure of nematode communities in freshwater microcosms. *Environ. Toxicol. Chem.* 23, 1268-1275 (2004)
- Hough, T.A.*, Bogani, D.*, Cheeseman, M.T.*, Favor, J., Nesbit, M.A.*, Thakker, R.V.*, Lyon, M.F.*: Activating calcium-sensing receptor mutation in the mouse is associated with cataracts and ectopic calcification. *Proc. Natl. Acad. Sci. USA* 101, 13566-13571 (2004)
- Howard, B.J., Semioschkina, N., Voigt, G.*, Mukusheva, M.*, Clifford, J.*: Radiostrontium contamination of soil and vegetation within the Semipalatinsk test site. *Radiat. Environ. Bioph.* 43, 285-292 (2004)
- Huang, K.M.*, Geunes-Boyer, S.*, Wu, S.*, Dutra, A.*, Favor, J., Stambolian, D.*: Organization and annotation of the Xcat critical region : Elimination of seven positional candidate genes. *Genomics* 83, 893-901 (2004)

- Huang, X., Stettmaier, K., Michel, C., Hutzler, P., Mueller, M.J.*, Durner, J.: Nitric oxide is induced by wounding and influences jasmonic acid signaling in *Arabidopsis thaliana*. *Planta* 218, 938-946 (2004)
- Husen, B.*, Adamski, J., Brüns, A.*, Deluca, D., Fuhrmann, K.*, Möller, G., Schwabe, I.*, Einspanier, A.*: Characterization of 17 β -hydroxysteroid dehydrogenase type 7 in reproductive tissues of the marmoset monkey. *Biol. Reprod.* 68, 2092-2099 (2003)
- Huster, K.M.*, Busch, V.*, Schiemann, M.*, Linkemann, K.*, Kerksiek, K.M.*, Wagner, H.*, Busch, D.: Selective expression of IL-7 receptor on memory T cells identifies early CD40L-dependent generation of distinct CD8+ memory T cell subsets. *Proc. Natl. Acad. Sci. USA* 101, 5610-5615 (2004)
- Hutter, G., Nickenig, C., Garritsen, H.*, Hellenkamp, F.*, Hoerning, A.*, Hiddemann, W., Dreyling, M.: Use of polymorphisms in the noncoding region of the human mitochondrial genome to identify potential contamination of human leukemia-lymphoma cell lines. *Hematol. J.* 5, 61-68 (2004)
- Icks, A.*, Haastert, B.*, Gandjour, A.*, John, J., Löwel, H., Holle, R., Giani, G.*, Rathmann, W.*: Cost-effectiveness analysis of different screening procedures for type 2 diabetes. *Diabetes Care* 27, 2120-2128 (2004)
- Ihalmo, P.*, Rinta-Valkama, J.*, Mai, P.*, Äström, E.*, Palmén, T.*, Pham, T.T., Floss, Th., Holthöfer, H.*: Molecular cloning and characterization of an endogenous antisense transcript of *Nphs1**. *Genomics* 83, 1134-1140 (2004)
- Illig, T., Bongardt, F.*, Schöpfer, A., Müller-Scholze, S.*, Rathmann, W.*, Koenig, W.*, Thorand, B., Vollmert, C., Holle, R., Kolb, H.*, Herder, C.*: Significant association of the interleukin-6 gene polymorphisms C-174G and A-598G with type 2 diabetes. *J. Clin. Endocr. Metab.* 89, 5053-5058 (2004)
- Illig, T., Vollmert, C., Gohlke, H., Klopp, N.: Hochdurchsatz SNP Genotypisierung mit MALDI TOF MS. *BioSpektrum* 5, 670-674 (2004)
- Imanishi, T.*, Han, M., Mewes, H.-W.: Integrative annotation of 21,037 human genes validated by full-length cDNA clones. *PLoS Biology* 2, 856-875 (2004)
- Imhof, A.*, Woodward, M.*, Döring, A., Helbecque, N.*, Löwel, H., Amouyel, P.*, Lowe, G.D.O.*, König, W.*: Overall alcohol intake, beer, wine, and systemic markers of inflammation in western Europe : results from three MONICA samples (Augsburg, Glasgow, Lille). *Eur. Heart J.* 25, 2092-2100 (2004)
- Ishiai, M.*, Kimura, M.*, Namikoshi, K.*, Yamazoe, M.*, Yamamoto, K.*, Arakawa, H., Agematsu, K.*, Matsushita, N.*, Takeda, S.*, Buerstedde, J.-M., Takata, M.*: DNA cross-link repair protein SNM1A interacts with PIAS1 in nuclear focus formation. *Mol. Cell. Biol.* 24, 10733-10741 (2004)
- Issels, R.D.: Therapiekonzepte Hyperthermie - Einführung und aktuelle Entwicklungen. *Akt. Onkol.* 123, 175-190 (2004)
- Istvánffy, R., Vogt-Weissenhorn, D.M., Floss, T., Wurst, W.: Expression of neurochondrin in the developing and adult mouse brain. *Dev. Genes Evol.* 214, 206-209 (2004)
- Jacob, V., Jacob, P.: Modelling of carcinogenesis and low-dose hypersensitivity : an application to lung cancer incidence among atomic bomb survivors. *Radiat. Environ. Bioph.* 42, 265-273 (2004)
- Jäger, R.*, Schneider, A.M.*, Behrens, P.*, Henkelmann, B., Schramm, K.-W., Lenoir, D.: Selective adsorption of polychlorinated dibenzo-p-dioxins and dibenzofurans by the Zeosils UTD-1, SSZ-24 and ITQ-4. *Chem. Eur. J.* 10, 247-256 (2004)

Janson, C.* , Wjst, M.: An internet survey of asthma treatment. *J. Asthma* 41, 49-55 (2004)

Jentsch, I.* , Geigl, J.* , Klein, C.A.* , Speicher, M.R.: Seven fluorochrome mouse M-FISH for high resolution analysis of interchromosomal rearrangements. *Cytogenet. Genome Res.*, 84-88 (2003)

Jiries, A.G.* , Hussein, H.H.* , Lintelmann, J.: Polycyclic aromatic hydrocarbon in rain and street runoff in Amman, Jordan. *J. Environ. Sci.* 15, 848-853 (2003)

John, J., Leidl, R.: Zur Bedeutung von ökonomischen Evaluationen beim Ein- und Ausschluss von Leistungen. *Soz. Fortschr.* 53, 219-228 (2004)

Justenhoven, C.* , Hamann, U.* , Pesch, B.* , Harth, V.* , Rabstein, S.* , Baisch, C.* , Vollmert, C., Illig, T., Ko, Y.-D.* , Brüning, T.* , Brauch, H.*: ERCC2 genotypes and a corresponding haplotype are linked with breast cancer risk in a German population. *Cancer Epidem. Biomar. Prev.* 13, 2059-2064 (2004)

Jütting, U., Hense, B.A., Rodenacker, K., Gais, P.: (Teil-)automatisierte Analyse der Phytoplankton-Zusammensetzung nach der Utermöhl-Methode. Tagungsbericht 2003 der Deutschen Gesellschaft für Limnologie e.V. und der deutschsprachigen Section der Societas Internationalis Limnologiae, Berlin : Weißensee Verl., 382-387 (2004)

Kaiser, J.C., Heidenreich, W.F., Monchoux, G.* , Morlier, J.P.* , Collier, C.G.*: Lung tumour risk in radon-exposed rats from different experiments : Comparative analysis with biologically based models. *Radiat. Environ. Bioph.* 43, 189-201 (2004)

Kaiser, J.C., Heidenreich, W.F.: Comparing regression methods for the two-stage clonal expansion model of carcinogenesis. *Stat. Med.* 23, 3333-3350 (2004)

Kammerer, R., Popp, T.* , Singer, B.B.* , Schlender, J.* , Zimmermann, W.*: Identification of allelic variants of the bovine immune regulatory molecule CEACAM1 implies a pathogen-driven evolution. *Gene* 339, 99-109 (2004)

Kammerer, R., Riesenberger, R.* , Weiler, C.* , Lohmann, J.* , Schleyden, J., Zimmermann, W.*: The tumour suppressor gene CEACAM1 is completely but reversibly downregulated in renal cell carcinoma. *J. Pathol.* 204, 258-267 (2004)

Kapp, N.* , Kreyling, W., Schulz, H., im Hof, V.* , Gehr, P.* , Semmler, M., Geiser, M.*: Electron energy loss spectrometry for analysis of inhaled ultrafine particles in rat lungs. *Microsc. Res. Techniq.* 63, 298-305 (2004)

Kappler, R.* , Bauer, R.* , Calzada-Wack, J., Rosemann, M., Hemmerlein, B.* , Hahn, H.*: Profiling the molecular difference between Patched- and p53-dependent rhabdomyosarcoma. *Oncogene*, 1-11 (2004)

Kappos, A.D.* , Bruckmann, P.* , Eikmann, Th.* , Englert, N.* , Heinrich, U.* , Höpfe, P.* , Koch, E.* , Krause, G.H.M.* , Kreyling, W.G., Rauchfuss, K.* , Rombout, P.* , Schulz-Klemp, V.* , Thiel, W.R.* , Wichmann, H.-E.: Health effects of particles in ambient air. 207, 399-407 (2004)

Karg, E., Ferron, G.A., Heyder, J., Kasahara, M. ; Kulmala, M. [Eds.]: Spacial and seasonal variation of size and hydrophilicity of atmospheric particles in Central Europe. *Nucleation and Atmospheric Aerosols 2004*: 16. International Conference, 606-609 (2004)

- Kassel, O.*, Schneider, S.*, Heilbock, C.*, Litfin, M.*, Göttlicher, M., Herrlich, P.*: A nuclear isoform of the focal adhesion LIM-domain protein Trip6 integrates activating and repressing signals at AP-1- and NK-kB-regulated promoters. *Gene Dev.* 18, 2518-2528 (2004)
- Kastenbauer, S.*, Koedel, U.*, Weih, F.*, Ziegler-Heitbrock, L., Pfister, H.-W.*: Protective role of NK-kB1 (p50) in experimental pneumococcal meningitis. *Eur. J. Pharmacol.* 498, 315-318 (2004)
- Kauffmann, F.*, Wjst, M., Post Genome Respiratory Epidemiology group: Post-genome respiratory epidemiology : a multidisciplinary challenge. *Eur. Respir. J.* 24, 471-480 (2004)
- Kawakami, N.*, Ellwart, J.W.: The activation status of neuroantigen-specific T cells in the target organ determines the clinical outcome of autoimmune encephalomyelitis. *J. Exp. Med.* 199, 185-197 (2004)
- Kellerer, A.M., Leuthold, G., Mares, V.*, Schraube, H.: Options for the modified radiation weighting factor of neutrons. *Radiat. Prot. Dosim.* 109, 181-188 (2004)
- Kessler, P.*, Mahabir, E., Köster, M.*, Gilles, M.*, Wimmers, K.*, Ponsuksili, S.*, Schellander, K.*: Re-expansion and quality of split bovine embryos in vitro. *Reprod. Fert. Develop.* 16, S. 205 (2004)
- Kessler, W., Numtip, W., Grote, K.*, Csanády, G.A., Chahoud, I.*, Filser, J.G.: Blood burden of di(2-ethylhexyl) phthalate and its primary metabolite mono(2-ethylhexyl) phthalate in pregnant and nonpregnant rats and marmosets. *Toxicol. Appl. Pharm.* 195, 142-153 (2004)
- Khandoga, A.*, Stampfl, A., Takenaka, S., Schulz, H., Radykewicz, R., Kreyling, W., Krombach, F.*: Ultrafine particles exert prothrombotic but not inflammatory effects on the hepatic microcirculation in healthy mice in vivo. *Circulation* 109, 1320-1325 (2004)
- Kienzler, B.*, Schlieker, M.*, Bauer, A., Metz, V.*, Mayer, H.: Langzeit Auslaug- und Korrosionsexperimente an zementierten 1:1 Gebinden in der Schachanlage Asse : Probennahme und Auswertung 2003. FZKA-7059, Karlsruhe : Forschungszentrum, 38 S. (2004)
- Kinase, S.*, Zankl, M., Funabiki, J.*, Noguchi, H.*, Saito, K.*: Evaluation of S values for beta-ray emitters in voxel phantoms. *KEK Proceedings ; 2003-15, Proceedings of the 11. EGS4 User's Meeting in Japan*, 45-52 (2004)
- Kinase, S.*, Zankl, M., Funabiki, J.*, Noguchi, H.*, Saito, K.*: Evaluation of S values for beta-ray emitters within the urinary bladder. *J. Nucl. Sci. Technol. Suppl.* 4, 136-139 (2004)
- Kirschnek, S.*, Scheffel, J.*, Heinzmann, U., Häcker, G.*: Necrosis-like cell death induced by bacteria in mouse macrophages. *Eur. J. Immunol.* 34, 1461-1471 (2004)
- Kis, Z., Eged, K., Voigt, G.*, Meckbach, R., Müller, H.: Modeling of an industrial environment : external dose calculations based on Monte Carlo simulations of photon transport. *Health Phys.* 86, 161-173 (2004)
- Klein, D., Arora, U., Lichtmanegger, J., Finckh, M., Heinzmann, U., Summer, K.H.: Tetrathiomolybdate in the treatment of acute hepatitis in an animal model for Wilson disease. *J. Hepatol.* 40, 409-416 (2004)
- Klejman, M.P.*, Pereira, L.A.*, van Zeeburg, H.J.T.*, Gilfillan, S., Meisterernst, M., Timmers, H.T.M.*: NC2alpha interacts with BTAF1 and stimulates its ATP-dependent association with TATA-binding protein. *Mol. Cell. Biol.* 24, 10072-10082 (2004)

Klotz, D.: Untersuchungen zur Sickerwasserprognose in Lysimetern. GSF-Bericht 02/04, Neuherberg : GSF-Forschungszentrum mbH, 218 S. (2004)

Koenig, W., Khuseyinova, N.*, Löwel, H., Trischler, G.*, Meisinger, C.: Lipoprotein-associated phospholipase A2 adds to risk prediction of incident coronary events by C-reactive protein in apparently healthy middle-aged men from the general population : Results from the 14-year follow-up of a large cohort from Southern Germany. *Circulation* 110, 1903-1908 (2004)

Koenig, W., Löwel, H., Baumert, J., Meisinger, C.: C-reactive protein modulates risk prediction based on the framingham score : Implications for future risk assessment: Results from a large cohort study in Southern Germany. *Circulation* 109, 1349-1353 (2004)

Kofler, D.M., Büning, H.*, Mayr, C., Bund, D., Baumert, J., Hallek, M., Wendtner, C.-M.: Engagement of the B-cell antigen receptor (BCR) allows efficient transduction of ZAP-70-positive primary B-CLL cells by recombinant adeno-associated virus (rAAV) vectors. *Gene Ther.* 11, 1416-1424 (2004)

Koh, D.W.*, Lawler, A.M.*, Poitras, M.F.*, Sasaki, M.*, Wattler, S.*, Nehls, M.C.*, Stöger, T., Poirier, G.G.*, Dawson, V.L.*, Dawson, T.M.*: Failure to degrade poly(ADP-ribose) causes increased sensitivity to cytotoxicity and early embryonic lethality. *Proc. Natl. Acad. Sci. USA* 101, 17699-17704 (2004)

Kokubu, C., Heinzmann, U., Kokubu, T., Sakai, N.*, Kubota, T.*, Kawai, M.*, Wahl, M.B., Galceran, J.*, Grosschedl, R.*, Ozono, K.*, Imai, K.: Skeletal defects in ringelschwanz mutant mice reveal that Lrp6 is required for proper somitogenesis and osteogenesis. *Development* 131, 5469-5480 (2004)

Kolb, H.J., Rank, A.*, Chen, X.*, Woiciechowsky, A., Roskrow, M.*, Schmid, C., Tischer, J.*, Ledderose, G.*: In-vivo generation of leukemia-derived dendritic cells. *Best Pract. Res. Clin. Haematol.* 17, 439-451 (2004)

Kolb, H.J., Schmid, C.*, Barrett, A.J.*, Schendel, D.J.: Graft-versus-leukemia reactions in allogeneic chimeras. *Blood* 103, 767-776 (2004)

Kolb, H.J., Simoes, B., Schmid, Ch.: Cellular immunotherapy after allogeneic stem cell transplantation in hematologic malignancies. *Curr. Opin. Oncol.* 16, 167-173 (2004)

Kompauer, I., Demmelmair, H.*, Koletzko, B.*, Bolte, G.*, Linseisen, J.*, Heinrich, J.: n6/n3 hypothesis and allergies : Biologically plausible, but not confirmed. *Eur. J. Med. Res.* 9, 378-382 (2004)

Koopman, G.*, Mortier, D.*, Hofman, S.*, Niphuis, H.*, Fagrouch, Z.*, Norley, S.*, Sutter, G., Liljeström, P.*, Heeney, J.L.*: Vaccine protection from CD4+ T-cell loss caused by simian immunodeficiency virus (SIV) mac251 is afforded by sequential immunization with three unrelated vaccine vectors encoding multiple SIV antigens. *J. Gen. Virol.* 85, 2915-2924 (2004)

Koskela, K.*, Kohonen, P.*, Salminen, H.*, Uchida, T.*, Buerstedde, J.-M., Lassila, O.*: Identification of a novel cytokine-like transcript differentially expressed in avian gamma delta T cells. *Immunogenetics* 55, 845-854 (2004)

Koutmani, Y.*, Hurel, C.*, Patsavoudi, E.*, Hack, M.*, Götz, M., Thomaidou, D.*, Matsas, R.*: BM88 is an early marker of proliferating precursor cells that will differentiate into the neuronal lineage. *Eur. J. Neurosci.* 20, 2509-2523 (2004)

Kraft, M., Eikmann, Th.*, Kappos, A.*, Künzli, N.*, Rapp, R.*, Schneider, K.*, Seitz, H.*, Voss, J.U.*, Wichmann, H.-E.: Wirkungen von Stickstoffdioxid auf die menschliche Gesundheit - Ableitung eines gesundheitsbezogenen Kurz- und Langzeitwertes. *Umweltmed. Forsch. Prax.* 9, 65-77 (2004)

Krämer, P.M., Goodrow, M.H.*, Kremmer, E.: Enzyme-linked immunosorbent assays based on rabbit polyclonal and rat monoclonal antibodies against isoproturon. *J. Agr. Food Chem.* 52, 2462-2471 (2004)

Krämer, P.M., Kremmer, E., Forster, S., Goodrow, M.H.*: Extending the working range of immunoanalysis by exploitation of two monoclonal antibodies. *J. Agr. Food Chem.* 52, 6394-6401 (2004)

Krämer, P.M.: Express-Immunotechniken für die Umweltanalytik. *GIT Labor-Fachzeitschrift* 2, 151-153 (2004)

Krämer, U.*, Lemmen, C.H., Behrendt, H., Link, E., Schäfer, T.*, Gostomzyk, J.*, Scherer, G.*, Ring, J.*: The effect of environmental tobacco smoke on eczema and allergic sensitization in children. *Brit. J. Dermatol.* 150, 111-118 (2004)

Krause, M., Durner, J.: Harpin inactivates mitochondria in arabidopsis suspension cells. *Mol. Plant Microbe Interact.* 17, 131-139 (2004)

Kreyling, W.G., Semmler, M., Möller, W.: Health effects of ultrafine particles. *J. Aerosol. Sci.* 35 (Suppl.2), 1155-1156 (2004)

Kreyling, W.G., Semmler, M., Möller, W.: Dosimetry and toxicology of ultrafine particles. *J. Aerosol Med.* 17, 140-152 (2004)

Kronenberg, F., Lingenhel, A.*, Lhotta, K.*, Rantner, B.*, Kronenberg, M.F.*, König, P.*, Thiery, J.*, Koch, M.*, von Eckardstein, A.*, Dieplinger, H.*: The apolipoprotein(a) size polymorphism is associated with nephrotic syndrome. *Kidney Int.* 65, 606-612 (2004)

Kronenberg, F., Lingenhel, A., Lhotta, K., Rantner, B., Kronenberg, M.F., König, P., Thiery, J., Koch, M., von Eckardstein, A., Dieplinger, H.: Lipoprotein(a)- and low-density lipoprotein-derived cholesterol in nephrotic syndrome : Impact on lipid-lowering therapy?. *Kidney Int.* 66, 348-354 (2004)

Kronenberg, F.: Epidemiology, pathophysiology and therapeutic implications of lipoprotein(a) in kidney disease. *Expert Rev. Cardiovasc. Ther.* 2, 729-743 (2004)

Kruk, J.E.*, Pröhl, G., Kenigsberg, J.I.*: A radioecological model for thyroid dose reconstruction of the Belarus population following the Chernobyl accident. *Radiat. Environ. Bioph.* 43, 101-110 (2004)

Krumrey, M., Ulm, G.*, Schmid, E.: Dicentric chromosomes in monolayers of human lymphocytes produced by monochromatized synchrotron radiation with photon energies from 1.83 keV to 17.4 keV. *Radiat. Environ. Bioph.* 43, 1-6 (2004)

Kurschus, F.*, Bruno, R.*, Fellows, E.*, Falk, C.S., Jenne, D.E.*: Membrane receptors are not required to deliver granzyme B during killer cell attack. *Blood* 105, 2049-2058 (2005)

Kzhyshkowska, J.*, Kremmer, E., Hofmann, M.*, Wolf, H.*, Dobner, T.*: Protein arginine methylation during lytic adenovirus infection. *Biochem. J.* 383, 259-265 (2004)

Ladwig, K.-H., Baumert, J.J.: Patterns of suicidal behaviour in a metro subway system. *Eur. J. Public Health* 14, 291-295 (2004)

Ladwig, K.-H., Marten-Mittag, B., Baumert, J., Löwel, H., Döring, A.: Case-finding for depressive and exhausted mood in the general population : Reliability and validity of a symptom-driven diagnostic scale. Results from the prospective MONICA/KORA Augsburg Study. *Ann. Epidemiol.* 14, 332-338 (2004)

Ladwig, K.-H., Wirsching, C., v. Hammerstein, A.*, Danner, R.*, Baumert, J.*, Schmitt, C.*: Angst und Angstmanagement bei Patienten mit implantiertem Kardioverter-Defibrillator (ICD). *Deut. Med. Wochenschr.* 129, 2311-2315 (2004)

Ladwig, K.-H.: Krankheitserleben, interozeptive Wahrnehmung : Unterschiede zwischen Frau und Mann. *Deut. Apotheker Zeitung* 144, 33-41 (2004)

Lai, J.*, Dey, N.*, Kim, C.-S.*, Bharti, A.K.*, Rudd, S., Mayer, K.F.X., Larkins, B.A.*, Becraft, P.*, Messing, J.*: Characterization of the maize endosperm transcriptome and its comparison to the rice genome. *Genome Res.* 14, 1932-1937 (2004)

Lamotte, O.*, Gould, D.*, Lecourieux, D.*, Sequeira-Legrand, A.*, Lebrun-Garcia, A.*, Durner, J., Pugin, A.*, Wendehenne, D.*: Analysis of nitric oxide signaling functions in tobacco cells challenged by the elicitor cryptogein. *Plant Physiol.* 135, 516-529 (2004)

Langebartels, Ch., Kangasjärvi, J.*: Ethylene and jasmonate as regulators of cell death in disease resistance. *Ecological Studies ; Vol. 170, Molecular Ecotoxicology of Plants*, Sandermann, H. [Ed.], Berlin : Springer, 75-109 (2004)

Langer, S.*, Kraus, J., Jentsch, I.*, Speicher, M.R.: Multicolor chromosome painting in diagnostic and research applications. *Chromosome Res.* 12, 15-23 (2004)

Lasser, R.: Almost periodic sequences with respect to orthogonal polynomials. *Contemp. Math.* 363, 201-212 (2004)

Latza, U.*, Stang, A.*, Bergmann, M.*, Kroke, A.*, Sauer, S.*, Holle, R., Kamtsiuris, P.*, Terschüren, C.*, Hoffmann, W.*: Zum Problem der Response in epidemiologischen Studien in Deutschland (Teil I). *Gesundheitswesen* 66, 326-336 (2004)

Laubereau, B., Brockow, I.*, Zirngibl, A., Koletzko, S.*, Gruebl, A.*, von Berg, A.*, Filipiak-Pittroff, B.*, Berdel, D.*, Bauer, C.P.*, Reinhardt, D.*, Heinrich, J., Wichmann, H.-E.: Effect of breast-feeding on the development of atopic dermatitis the first 3 years of life - results from the gini-birth cohort study. *J. Pediatr.* 144, 602-607 (2004)

Laubereau, B., Filipiak-Pittroff, B., von Berg, A.*, Grübl, A.*, Reinhardt, D.*, Wichmann, H.-E., Koletzko, S.*: Caesarean section and gastrointestinal symptoms, atopic dermatitis and sensitisation during the first year of life. *Arch. Dis. Child.* 89, 993-997 (2004)

Laux, H.*, Tomer, R.*, Mader, M.T., Smida, J.*, Budczies, J., Kappler, R.*, Hahn, H.*, Blöchinger, M.*, Schnitzbauer, U.*, Eckardt-Schupp, F., Höfler, H., Becker, K.-F.*: Tumor-associated E-cadherin mutations do not induce Wnt target gene expression, but affect E-cadherin repressors. *Lab. Invest.* 84, 1372-1386 (2004)

Lee, J.M.*, Lee, K.-H.*, Farrell, C.J.*, Ling, P.D.*, Kempkes, B., Park, J.H.*, Hayward, S.D.*: EBNA2 is required for protection of latently Epstein-Barr virus-infected B cells against specific apoptotic stimuli. *J. Virol.* 78, 12694-12697 (2004)

Lee, S.P.*, Brooks, J.M.*, Al-Jarrah, H.*, Thomas, W.A.*, Haigh, T.A.*, Taylor, G.S.*, Humme, S., Schepers, A., Hammerschmidt, W., Yates, J.L.*, Rickinson, A.B.*, Blake, N.W.*: CD8 T cell recognition of endogenously expressed Epstein-Barr virus nuclear antigen 1. *J. Exp. Med.* 199, 1409-1420 (2004)

Leib-Mösch, C., Seifarth, W., Schön, U.: Influence of Human Endogenous Retroviruses on Cellular Gene Expression. *Retroviruses and Primate Genome Evolution*, 2-22 (2004)

Lemmen, Ch.*, Schober, W.*, Buters, J.*, Behrendt, H.: Dieselruß und Allergien. *Allergo J.* 13, 311-322 (2004)

Lenoir, D., Hertkorn, N., Chiappe, C.*: Synthesis and characterization of the syn-bromonium ion of 4-equ chloroadamantylidenadamantane, towards a chiral bromination reagent. *Tetrahedron Lett.* 45, 3003-3005 (2004)

Lenoir, D., Metzger, J.O.*: Leitmotiv Nachhaltigkeit : erneuerbare Rohstoffe, Synthesen. *Nachr. Chem.* 52, 666-671 (2004)

Lenz, A.G., Hinze-Heyn, H., Schneider, A., Behr, J.*, Häußinger, K.*, Heindl, S.*, Stanzel, F.*, Maier, K.L.: Influence of inflammatory mechanisms on the redox balance in interstitial lung diseases. *Resp. Med.* 98, 737-745 (2004)

Lenz, G.*, Hutter, G., Hiddemann, W., Dreyling, M.: Promoter methylation and expression of DNA repair genes hMLH1 and MGMT in acute myeloid leukemia. *Ann. Hematol.* 83, 628-633 (2004)

Li, W.B., Friedland, W., Jacob, P., Panyutin, I.G.*, Paretzke, H.G.: Simulation of ¹²⁵I decay in a synthetic oligodeoxynucleotide with normal and distorted geometry and the role of radiation and non-radiation actions. *Radiat. Environ. Bioph.* 43, 23-33 (2004)

Lieb, W.*, Pavlik, R.*, Erdmann, J.*, Mayer, B.*, Holmer, S.R.*, Fischer, M.*, Baessler, A.*, Hengstenberg, C.*, Löwel, H., Döring, A., Riegger, G.A.*, Schunkert, H.*: No association of interleukin-6 gene polymorphism (-174 G/C) with myocardial infarction or traditional cardiovascular risk factors. *Int. J. Cardiol.* 97, 205-212 (2004)

Lindner, L.H., Eichhorn, M.E.*, Eibl, H.*, Teichert, N.*, Schmitt-Sody, M.*, Issels, R.D., Dellian, M.*: Novel temperature-sensitive liposomes with prolonged circulation time. *Clin. Cancer Res.* 10, 2168-2178 (2004)

Lindner, L.H., Issels, R.D.: Thermosensitive Liposomen mit gezielter Zytostatikafreisetzung. *Akt. Onkol.* 123, 199-205 (2004)

Lindner, L.H., Schlemmer, M.*, Issels, R.: Neoadjuvante Therapie und Hyperthermie bei Weichteilsarkomen. *Journal Onkologie* 5, 24-26 (2004)

Lingenhel, A.*, Eder, C.*, Zwiauer, K.*, Stangl, H.*, Kronenberg, F., Patsch, W.*, Strobl, W.*: Decrease of plasma apolipoprotein A-IV during weight reduction in obese adolescents on a low fat diet. *Int. J. Obesity* 28, 1509-1513 (2004)

Loeb-Hennard, C., Cousin, X.*, Prengel, I., Kremmer, E.: Cloning and expression pattern of vat-1 homolog gene in zebrafish. *Gene Expression Patterns* 5, 91-96 (2004)

Loeb-Hennard, C., Kremmer, E., Bally-Cuif, L.: Prominent transcription of zebrafish N-myc (nmyc1) in tectal and retinal growth zones during embryonic and early larval development. *Gene Expression Patterns*, 341-347 (2005)

Loli, P.*, Topinka, J., Georgiadis, P.*, Dusinska, M.*, Hurbankova, M.*, Kovacicova, Z.*, Volkovova, K.*, Wolff, Th., Oesterle, D., Kyrtopoulos, S.A.*: Benzo[a]pyrene-enhanced mutagenesis by asbestos in the lung of lambda-cl transgenic rats. *Mutat. Res.- Fund. Mol. Mech. Mutagen.* 553, 79-90 (2004)

Lorenz-Depiereux, B., Guido, V.E.*, Johnson, K.R.*, Zheng, Q.Y.*, Gagnon, L.H.*, Bauschatz, J.D.*, Davisson, M.T.*, Washburn, L.L.*, Donahue, L.R.*, Strom, T.M., Eicher, E.M.*: New intragenic deletions in the Phex gene clarify X-linked hypophosphatemia-related abnormalities in mice. *Mamm. Genome* 15, 151-161 (2004)

- Lotz, C.*, Ferreira, E.A.*, Drexler, I., Mutallib, S.A.*, Huber, C.*, Sutter, G., Theobald, M.*: Partial tyrosinase-specific self tolerance by HLA-A*0201-restricted cytotoxic T lymphocytes in mice and man. *Int. J. Cancer* 108, 571-579 (2004)
- Louvi, A.*, Alexandre, P.*, Métin, C.*, Wurst, W., Wassef, M.*: The isthmic neuroepithelium is essential for cerebellar midline fusion. *Development* 130, 5319-5330 (2003)
- Löwel, H., Hense, H.-W.*, König, W.*: Collaborative meta-analysis of prospective studies of plasma fibrinogen and cardiovascular disease. *Eur. J. Cardiovasc. Prev. Rehab.* 11, 9-17 (2004)
- Löwel, H.: Herz-Kreislauf-Krankheiten - Frau zu sein hat Vorteile?. *Deut. Apotheker Zeitung* 144 Jg., 42-46 (2004)
- Luckow, B.*, Wurst, W.: Reduced intragraft mRNA expression of matrix metalloproteinases Mmp3, Mmp12, Mmp13 and Adam8 and diminished transplant arteriosclerosis in Ccr5-deficient mice. *Eur. J. Immunol.* 34, 2568-2578 (2004)
- Lueders, T., Pommerenke, B.*, Friedrich, M.W.*: Stable-isotope probing of microorganisms thriving at thermodynamic limits : Syntropic propionate oxidation in flooded soil. *Appl. Environ. Microbiol.* 70, 5778-5786 (2004)
- Mahabir, E., Jacobsen, K., Brielmeier, M., Peters, D., Needham, J.*, Schmidt, J.: Mouse antibody production test: can we do without it?. *J. Virol. Methods* 120, 239-245 (2004)
- Mahabir, E., Mayer, A., Marschall, S., Hrabe de Angelis, M., Schmidt, J.: Importance of embryo transfers in transgenic mouse facilities. *Reprod. Fert. Develop.* 16, 211-212 (2004)
- Mahabir, E., Mayer, A., Needham, J.*, Schmidt, J.: Immune response in mice following in utero infection with mouse hepatitis virus and mouse minute virus. *Reprod. Abstr. Series* 31, S.16 (2004)
- Mähönen, M.S.*, McElduff, P.*, Dobson, A.J.*, Kuulasmaa, K.A.*, Evans, A.E.*, WHO MONICA Project: Current smoking and the risk of non-fatal myocardial infarction in the WHO MONICA Project populations. *Tob. Control* 13, 244-250 (2004)
- Mäkitalo, B.*, Sutter, G., Erfle, V.: Enhanced cellular immunity and systemic control of SHIV infection by combined parenteral and mucosal administration of a DNA prime MVA boost vaccine regimen. *J. Gen. Virol.* 85, 2407-2419 (2004)
- Maloszewski, P., Stichler, W., Zuber, A.*: Interpretation of Environmental Tracers in Groundwater Systems with Stagnant Water Zones. *Isot. Environ. Health Stud.* 40, 21-33 (2004)
- Maloszewski, P.: Mean residence time (ages) in subsurface water. *Research Basins and Hydrological Planning*, Xi, Gu & Seiler [Eds.], London : Tayler & Francis Group, 47-51 (2004)
- Mancuso, M.*, Pazzaglia, S.*, Tanori, M.*, Hahn, H.*, Merola, P.*, Rebessi, S.*, Atkinson, M.J., di Majo, V.*, Covelli, V.*, Saran, A.*: Basal cell carcinoma and its development : Insights from radiation-induced tumors in Ptch1-deficient mice. *Cancer Res.* 64, 934-941 (2004)
- Marhold, J.*, Kramer, K.*, Kremmer, E., Lyko, F.*: The Drosophila MBD2/3 protein mediates interactions between the MI-2 chromatin complex and CpT/A-methylated DNA. *Development* 131, 6033-6039 (2004)

- Markel, G.*, Gruda, R.*, Achdout, H.*, Katz, G.*, Nechama, M.*, Blumberg, R.S.*, Kammerer, R., Zimmermann, W.*, Mandelboim, O.*: The critical role of residues 43R and 44Q of carcinoembryonic antigen cell adhesion molecules-1 in the protection from killing by human NK cells. *J. Immunol.* 173, 3732-3739 (2004)
- Martin, A.: Small ball asymptotics for the stochastic wave equation. *J. Theor. Probab.* 17, 693-703 (2004)
- Martinat, C.*, Shendelman, S.*, Jonason, A.*, Leete, T.*, Beal, M.F.*, Yang, L.*, Floss, T., Abeliovich, A.*: Sensitivity to oxidative stress in DJ-1-deficient dopamine neurons : An ES-derived cell model of primary parkinsonism. *PLoS Biology* 2, 1754-1763 (2004)
- Massberg, S.*, Grüner, S.*, Konrad, I.*, Arguinzonis, M.I.G.*, Eigenthaler, M.*, Hemler, K.*, Kersting, J.*, Schulz, C.*, Müller, I.*, Besta, F.*, Nieswandt, B.*, Heinzmann, U., Walter, U.*, Gawaz, M.*: Enhanced in vivo platelet adhesion in vasodilator-stimulated phosphoprotein (VASP)-deficient mice. *Blood* 103, 136-142 (2004)
- Mateusen, B.*, van Soom, A.*, Nauwynck, J.J.*, Schmidt, J., Mahabir, E.: Permeability of murine zona pellucida to fluorescent particles. *Reprod. Abstr. Series* 31, 7-8 (2004)
- Matucha, M.*, Gryndler, M.*, Uhlirova, H.*, Fuksova, K.*, Rohlenova, J.*, Forczek, S.T.*, Schröder, P.: Microbiological aspects of determination of trichloroacetic acid in soil. *Folia Microbiol.* 49, 117-122 (2004)
- Matuschek, G., Saritas, Y., Karg, E., Schroepfel, A.: Characterisation of aerosol particles using combined thermoanalytical techniques. *J. Therm. Anal. Calorim.* 78, 575-586 (2004)
- Matyssek, R.*, Wieser, G.*, Nunn, A.J.*, Kozovits, A.R.*, Reiter, I.M.*, Heerdt, C.*, Winkler, J.B., Baumgarten, M.*, Häberle, K.-H.*, Grams, T.E.E.*, Werner, H.*, Fabian, P.*, Havranek, W.M.*: Comparison between AOT40 and ozone uptake in forest trees of different species, age and site conditions. *Atmos. Environ.* 38, 2271-2281 (2004)
- Matzen, K., Dirx, A.E.M.*, Egbrink, M.G.A.*, Speth, C.*, Götte, M.*, Ascherl, G., Grimm, Th., Griffioen, A.W.*, Stürzl, M.: HIV-1 tat increases the adhesion of monocytes and T-cells to the endothelium in vitro and in vivo : Implications for AIDS-associated vasculopathy. *Virus Res.* 104, 145-155 (2004)
- Mautner, J., Pich, D., Nimmerjahn, F., Milosevic, S.*, Adhikary, D., Christoph, H., Witter, K.*, Bornkamm, G.W., Hammerschmidt, W., Behrends, U.: Epstein-Barr virus nuclear antigen 1 evades direct immune recognition by CD4+ T helper cells. *Eur. J. Immunol.* 34, 2500-2509 (2004)
- Mayer, J.*, Buegger, F., Jensen, E.S.*, Schloter, M., Heß, J.*: Turnover of grain legume N rhizodeposits and effect of rhizodeposition on the turnover of crop residues. *Biol. Fertil. Soils* 39, 153-164 (2004)
- Mayer, K., Rudd, S., Schoof, H.: The arabidopsis genome and its use in cereal genomics. *Cereal Genomics*, Gupta, P.K. ; Varshney, R.K. [Eds.], Dordrecht : Kluwer, 515-534 (2004)
- Mayr, C., Bund, D., Schlee, M., Moosmann, A.*, Kofler, D.M., Hallek, M., Wendtner, C.-M.: Fibromodulin as a novel tumor-associated antigen (TAA) in chronic lymphocytic leukemia (CLL) which allows expansion of specific CD8+ autologous T lymphocytes. *Blood* 105, 1566-1573 (2005)
- Mayr, Ch., Trimborn, P., Lipp, J.*, Graf, W., Payer, H.-D.: Climate information from stable hydrogen and carbon isotopes of C3 plants - growth chamber experiments and field observations. *The Climate in Historical Times : Towards a Synthesis of Holocene Proxy data and Climate Models*, Fischer, H. [Eds.], Berlin : Springer, 263-279 (2004)

GSF - Publication List 2004

(* external author)

Meckenstock, R.U., Morasch, B.*, Griebler, C., Richnow, H.H.*: Stable isotope fractionation analysis as a tool to monitor biodegradation in contaminated aquifers. *J. Contam. Hydrol.* 75, 215-255 (2004)

Meckenstock, R.U., Safinowski, M.*, Griebler, C.*: Anaerobic degradation of polycyclic aromatic hydrocarbons. *FEMS Microbiol. Ecol.* 49, 27-36 (2004)

Meckenstock, R.U., Warthmann, R.J.*, Schäfer, W.*: Inhibition of anaerobic microbial o-xylene degradation by toluene in sulfidogenic sediment columns and pure cultures. *FEMS Microbiol. Ecol.* 47, 381-386 (2004)

Meisinger, C., Heier, M., Löwel, H.: The relationship between body weight and health care among German woman. *Obes. Res.* 12, 1473-1480 (2004)

Meisinger, C., Schuler, A.*, Löwel, H.: Postal questionnaires identified hospitalizations for self-reported acute myocardial infarction. *J. Clin. Epidemiol.* 57, 989-992 (2004)

Merlo, J.*, Asplund, K.*, Lynch, J.*, Råstam, L.*, Dobson, A.*, World Health Organization MONICA Project: Population effects on individual systolic blood pressure : A multilevel analysis of the world health organization MONICA project. *Am. J. Epidemiol.* 159, 1168-1179 (2004)

Messing, J.*, Bharti, A.K.*, Karlowski, W.M., Gundlach, H., Kim, H.R.*, Y, Y.*, Wei, F.*, Fuks, G.*, Soderlund, C.A.*, Mayer, K.F.X., Wing, R.A.*: Sequence composition and genome organization of maize. *Proc. Natl. Acad. Sci. USA* 101, 14349-14354 (2004)

Messner, B., Jones, P.*, Geist, B., Holzinger, S., Gerstner, E., Thulke, O., Saito, K.*, Schöffner, A.R.: Glycosylation of xenobiotics and secondary metabolites in *Arabidopsis thaliana*. *Comp. Biochem. Phys. A* 137, 227-228 (2004)

Mestres, M.*, Caballin, M.R.*, Schmid, E., Stephan, G.*, Sachs, R.*, Barrios, L.*, Barquinero, J.F.*: Analysis of alpha-particle induced chromosome aberrations in human lymphocytes, using pan-centromeric and pan-telomeric probes. *Int. J. Radiat. Biol.* 80, 1-8 (2004)

Mestres, M.*, Schmid, E., Stephan, G.*, Barrios, L.*, Caballin, M.R.*, Barquinero, J.F.*: Analysis of alpha-particle induced incomplete chromosome aberrations, using pan-centromeric and pan-telomeric DNA probes. *Proceedings of the 11. International Congress of the IRPA*, 1-7 (2004)

Métraux, J.-P., Durner, J.: The role of salicylic acid and nitric oxide in programmed cell death and induced resistance. *Ecological Studies ; Vol. 170, Molecular Ecotoxicology of Plants*, Berlin : Springer, 112-150 (2004)

Meyer, C.W.E.*, Korthaus, D.*, Jagla, W.*, Cornali, E.*, Grosse, J.*, Fuchs, H., Klingenspor, M.*, Roemheld, S.*, Tschöp, M.*, Heldmaier, G.*, Hrabé de Angelis, M., Nehls, M.*: A novel missense mutation in the mouse growth hormone gene causes semidominant dwarfism, hyperghrelinemia and obesity. *Endocrinology* 145, 2531-2541 (2004)

Michalke, B., Schramel, P.: Manganese speciation in human milk using size exclusion chromatography combined with strong anion exchange chromatography and inductively coupled plasma mass spectrometry detection. *J. Anal. Atom. Spectrom.* 19, 121-128 (2004)

Michalke, B.: Element speciation analysis. *Elements and their Compounds in the Environment: Occurrence, Analysis and Biological Relevance. Vol.3: Nonmetals, Particular Aspects*, Merian, E. [Ed.], Weinheim : Wiley-VHC, 1643-1673 (2004)

Michalke, B.: Manganspeziesanalytik in biologischen Proben. Schriftenreihe der Gesellschaft für Mineralstoffe und Spurenelemente e.V., Metallproteine und Metalloprotein, Kyriakopoulos, A. ; Behne, D., Stuttgart : Wiss. Verlagsgesellschaft, 46-51 (2004)

Michalke, B.: Manganese speciation using capillary electrophoresis-ICP-mass spectrometry. J. Chromatogr. A 1050, 69-76 (2004)

Michalke, B.: Selenium speciation in human serum of cystic fibrosis patients compared to serum from healthy persons. J. Chromatogr. A 1058, 203-208 (2004)

Mielck, A., Bolte, G.: Die soziale Verteilung von Umweltbelastungen : Neue Impulse für Public Health Forschung und Praxis. Umweltgerechtigkeit: Die soziale Verteilung von Umweltbelastungen, Bolte, G. ; Mielck, A. [Eds.], Weinheim : Juventa Verl., 7-28 (2004)

Mielck, A., Schwarz, R. *, Hemme, A. *: Chancenungleichheit für benachteiligte Kinder und Jugendliche : Daten-Fakten-Konsequenzen. Vernetzung- Macht-Gesundheit: Kooperationen zwischen Jugendhilfe und Gesundheitswesen in sozialen Brennpunkten. E&C-Fachforum, Kuppler, L. (Red.), 14-28 (2004)

Mielck, A.: Armut als Krankheitsrisiko. Impulse 43, 5-6 (2004)

Mielck, A.: Ansätze zur Verringerung der gesundheitlichen Ungleichheit. Armut und Gesundheit: Strategien der Gesundheitsförderung. 9.Kongress, Geene, R. ; Halkow, A. [Hrsg.], Frankfurt am Main : Mabuse-Verl., 27-33 (2004)

Milani, V. *, Endres, M., Kuppner, M.C. *, Issels, R.D., Noessner, E.: Hitzeschockproteine, Immunkompetenz und Vakzinierung. Deut. Med. Wochenschr. 129, 31-35 (2004)

Milling, A. *, Smalla, K. *, Maidl, F.X. *, Schloter, M., Munch, J.C.: Effects of transgenic potatoes with an altered starch composition on the diversity of soil and rhizosphere bacteria and fungi. Plant Soil 264, 251-268 (2004)

Mindnich, R., Deluca, D., Adamski, J.: Identification and characterization of 17 β -hydroxysteroid dehydrogenases in the zebrafish, *Danio rerio*. Mol. Cell. Endocrinol. 215, 19-30 (2004)

Mindnich, R., Möller, G., Adamski, J.: The role of 17 beta-hydroxysteroid dehydrogenases. Mol. Cell. Endocrinol. 218, 7-20 (2004)

Misslitz, A. *, Pabst, O. *, Hintzen, G. *, Ohl, L. *, Kremmer, E., Petrie, H.T. *, Förster, R. *: Thymic T cell development and progenitor localization depend on CCR7. J. Exp. Med. 200, 481-491 (2004)

Möbius, C. *, Stein, H.J. *, Becker, I. *, Feith, M. *, Theisen, J. *, Gais, P., Jüttling, U., Siewert, J.R. *: Vascular endothelial growth factor expression and neovascularization in Barrett's carcinoma. World J. Surg. 28, 675-679 (2004)

Mohr, M. *, Klempt, M. *, Rathkolb, B. *, Hrabé de Angelis, M., Wolf, M. *, Aigner, B. *: Hypercholesterolemia in ENU-induced mouse mutants. J. Lipid Res. 45, 2132-2137 (2004)

Möller, W., Felten, K., Seitz, J. *, Sommerer, K. *, Takenaka, S., Wiebert, P. *, Philipson, K. *, Svartengren, M. *, Kreyling, W.G.: Modified technegas generator to produce 99mTc-labeled ultrafine carbon particles for deposition and clearance studies in the respiratory tract. J. Aerosol. Sci. 35 (Suppl.1), 279-280 (2004)

Mönnichs, G.*, von Lengerke, Th.: Unzufriedenheit mit dem eigenen Gewicht nach Reduktionsdiät bei Frauen und Männern : Ergebnisse des KORA-Survey 2000. *Z. Gesundheitswiss.* 12, 116-130 (2004)

Morasch, B.*, Richnow, H.H.*, Vieth, A.*, Schink, B.*, Meckenstock, R.U.: Stable isotope fractionation caused by glycol radical enzymes during bacterial degradation of aromatic compounds. *Appl. Environ. Microbiol.* 70, 2935-2940 (2004)

Morasch, B.*, Schink, B.*, Tebbe, C.C.*, Meckenstock, R.U.: Degradation of o-xylene and m-xylene by a novel sulfate-reducer belonging to the genus *Desulfotomaculum*. *Arch. Microbiol.* 181, 407-417 (2004)

Moreno, S.G., Laux, G., Brielmeier, M., Bornkamm, G.W., Conrad, M.: Testis-Specific Expression of the Nuclear Form of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx). *Biol. Chem.* 384, 635-643 (2003)

Mueller, J.C., Andreoli, Ch., Prokisch, H., Meitinger, T.: Mechanisms for multiple intracellular localization of human mitochondrial proteins. *Mitochondrion* 3, 315-325 (2004)

Mueller, J.C.: Linkage disequilibrium for different scales and applications. *Briefings Bioinformatics* 5, 1-10 (2004)

Mühlbacher, A.*, Berhanu, S.*, Happich, M.: Alternative Vergütungskonzepte zur Finanzierung der integrierten Versorgung. *Z. Allg. Med.* 79, 559-562 (2003)

Mühlberger, F., Hafner, K., Kaesdorf, S.*, Ferge, T., Zimmermann, R.: Comprehensive on-line characterization of complex gas mixtures by quasi-simultaneous resonance-enhanced multiphoton ionization, vacuum-UV single-photon ionization and electron impact ionization in a time-of-flight mass spectrometer : Setup and instrument characterization. *Anal. Chem.* 76, 6753-6764 (2004)

Mühlberger, F., Wieser, J.*, Ulrich, A.*, Zimmermann, R.*: Single photon ionization mass spectrometry with a novel electron-pumped excimer lamp for detection of trace compounds from thermal processes. *Organohalogen Compounds ; Vol. 66*, 795-799 (2004)

Müller, M.B.*, Wurst, W.: Getting closer to affective disorders : the role of CRH receptor systems. *Trends Mol. Med.* 10, 409-415 (2004)

Müller, S.*, Finelli, P.*, Neusser, M.*, Wienberg, J.: The evolutionary history of human chromosome 7. *Genomics* 84, 458-467 (2004)

Münz, M.*, Hofmann, T.*, Gänge, M.*, Junghanns, K.T.*, Zeidler, R.*, Gires, O.: The carcinoma-associated antigen EpCam induces glyoxalase 1 resulting in enhanced methylglyoxal turnover. *Cancer Genomics Proteomics* 1, 241-248 (2004)

Münz, M.*, Kieu, C.*, Mack, B.*, Schmitt, B.*, Zeidler, R.*, Gires, O.: The carcinoma-associated antigen EpCAM upregulates c-myc and induces cell proliferation. *Oncogene* 23, 5748-5758 (2004)

Mürbeth, St.*, Rousarova, M.*, Scherb, H., Lengfelder, E.*: Thyroid cancer has increased in the adult populations of countries moderately affected by Chernobyl fallout. *Med. Sci. Monit.* 10, 300-306 (2004)

Naschberger, E., Werner, Th., Vicente, A.B.*, Guenzi, E., Töpolt, K., Leubert, R., Lubseder-Martellato, C., Nelson, P.J.*, Stürzl, M.: Nuclear factor-kB motif and interferon-alpha-stimulated response element co-operate in the activation of guanylate-binding protein-1 expression by inflammatory cytokines in endothelial cells. *Biochem. J.* 379, 409-420 (2004)

Neamtu, M., Catrinescu, C.*, Kettrup, A.: Effect of dealumination of iron(III)-exchanged Y zeolites on oxidation of reactive yellow 84 azo dye in the presence of hydrogen peroxide. *Appl. Catal. B-Environ.* 51, 149-157 (2004)

Neamtu, M., Zaharia, C.*, Catrinescu, C.*, Yediler, A., Macoveanu, M.*, Kettrup, A.: Fe-exchanged Y zeolite as catalyst for wet peroxide oxidation of reactive azo dye Procion Marine H-EXL. *Appl. Catal. B-Environ.* 48, 287-294 (2004)

Negele, K., Heinrich, J., Borte, M.*, von Berg, A.*, Lehmann, I.*, Schaaf, B.*, Wichmann, H.-E., Bolte, G.: Mode of delivery and development of atopic disease during the first 2 years of life. *Pediatr. Allergy Immun.* 15, 48-54 (2004)

Nicholls, J.*, Hahn, P.*, Kremmer, E., Fröhlich, T.*, Arnold, G.J.*, Sham, J.*, Kwong, D.*, Grässer, F.A.*: Detection of wild type and deleted latent membrane protein 1 (LMP1) of Epstein-Barr virus in clinical biopsy material. *J. Virol. Methods* 116, 79-88 (2004)

Nieto, M.*, Monuki, E.S.*, Tang, H.*, Imitola, J.*, Haubst, N.*, Khoury, S.*, Cunningham, J.*, Götz, M., Walsh, C.A.*: Expression of Cux-1 and Cux-2 in the subventricular zone and upper layers II-IV of the cerebral cortex. *J. Comp. Neurol.* 479, 168-180 (2004)

Nimmerjahn, F.*, Dudziak, D., Dirmeier, U., Hobom, G.*, Riedel, A.*, Schlee, M., Staudt, L.M.*, Rosenwald, A.*, Behrends, U.*, Bornkamm, G.W., Mautner, J.*: Active NF-kB signalling is a prerequisite for influenza virus infection. *J. Gen. Virol.* 85, 2347-2356 (2004)

Nischwitz, V., Michalke, B., Kettrup, A.: Investigations on extraction procedures for Pt species from spiked road dust samples using HPLC-ICP-MS detection. *Anal. Chim. Acta* 521, 87-98 (2004)

Niu, J.*, Chen, J.*, Martens, D., Henkelmann, B., Quan, X.*, Yang, F.*, Seidlitz, H.K., Schramm, K.-W.: The role of UV-B on the degradation of PCDD/Fs and PAHs sorbed on surfaces of spruce (*Picea abies* (L.) Karst.) needles. *Sci. Total Environ.* 322, 231-241 (2004)

Nordsieck, H.O.*, Neuer-Etscheidt, K., Orasche, J.*, Zimmermann, R.*: Changes in PCDD/PCDF formation processes during instationary phases of combustor operation. *Organohalogen Compounds ; Vol. 66*, 1153-1159 (2004)

Nordsieck, H.O.*, Neuer-Etscheidt, K., Streibel, T.*, Zimmermann, R.*: Derivation of indicators for PCDD/PCDF concentration in MSWI ashes. *Organohalogen Compounds ; Vol. 66*, 804-810 (2004)

Oberdörster, G., Sharp, Z.*, Atudorei, V.*, Elder, A.*, Gelein, R.*, Kreyling, W., Cox, C.*: Translocation of inhaled ultrafine particles to the brain. *Inhal. Toxicol.* 16, 437-445 (2004)

Oeh, U., Roth, P., Höllriegl, V., Werner, E., Schramel, P.: ICP-MS : Answer to challenges of bioassay monitoring of occupationally workers for thorium and uranium. 11. International Congress of the International Radiation Protection Association, CD-ROM (2004)

Oestreicher, U.*, Braselmann, H., Stephan, G.*: Cytogenetic analysis in peripheral lymphocytes of persons living in houses with increased levels of indoor radon concentrations. *Cytogenet. Genome Res.* 104, 232-236 (2004)

- Olszewska, W.*, Suezer, Y., Openshaw, P.J.M.*: Protective and disease-enhancing immune responses induced by recombinant modified vaccinia Ankara (MVA) expressing respiratory syncytial virus proteins. *Vaccine* 23, 215-221 (2004)
- Pabst, O.*, Ohl, L.*, Wendland, M.*, Wurbel, M.-A.*, Kremmer, E., Malissen, B.*, Förster, R.*: Chemokine receptor CCR9 contributes to the localization of plasma cells to the small intestine. *J. Exp. Med.* 199, 411-416 (2004)
- Pagel, P., Kovac, S., Oesterheld, M., Brauner, B., Dunger-Kaltenbach, I., Frishman, G., Montrone, C., Mark, P.*, Stümpflen, V., Mewes, H.-W., Ruepp, A., Frishman, D.: The MIPS mammalian protein-protein interaction database. *Bioinformatics*, 832-834 (2005)
- Pagel, P., Mewes, H.-W., Frishman, D.: Conservation of protein-protein interactions - lessons from ascomycota. *Trends Genet.* 20, 72-76 (2004)
- Pagel, P., Wong, P., Frishman, D.*: A domain interaction map based on phylogenetic profiling. *J. Mol. Biol.* 344, 1331-1346 (2004)
- Pandelova, M., Lenoir, D., Kettrup, A., Schramm, K.-W.: Primary measures for reduction of PCDD/F in co-combustion of lignite coal and waste : Effect of various inhibitors. *The First International Symposium on the Management of liquid and solid residues (Malisore)*, 48-52 (2004)
- Pandelova, M., Lenoir, D., Kettrup, A., Schramm, K.-W.: Correlation between PCDD/F, PCB and PCBz in coal/waste combustion. Influence of various inhibitors. *Organohalogen Compounds ; Vol. 66*, 982-986 (2004)
- Pandelova, M., Peronnet, V., Kettrup, A., Schramm, K.-W., Dilara, P. ; Cipriano, D. [Eds.]: Preparation steps for accreditation in the field of PCDD/F emission sampling in a research facility. *Proceedings of the 6. International Conference on Emission Monitoring*, 1-4 (2004)
- Panhuyzen, M., Vogt-Weissenhorn, D.M., Blanquet, V., Brodski, C., Heinzmann, U., Beisker, W., Wurst, W.: Effects of Wnt1 signaling on proliferation in the developing mid-/hindbrain region. *Mol. Cell. Neurosci.* 26, 101-111 (2004)
- Pantiru, M.*, Tsiakatouras, G.*, Martens, D.*, Ochsenkühn-Petropoulou, M.*, Kettrup, A.: Development of clean-up methods for the determination of carbamates and acidic pesticides in agricultural products. *Fresen. Environ. Bull.* 12, 871-875 (2003)
- Pau, H.*, Hawker, K.*, Fuchs, H., Hrabé de Angelis, M., Steel, K.P.*: Characterization of a new mouse mutant, flouncer, with a balance defect and inner ear malformation. *Otol. Neurotol.* 25, 707-713 (2004)
- Pauli, C.*, Münz, M.*, Kieu, C.*, Mack, B.*, Breinl, P.*, Wollenberg, B.*, Lang, S.*, Zeidler, R.*, Gires, O.: Tumor-specific glycosylation of the carcinoma-associated epithelial cell adhesion molecule EpCAM in head and neck carcinomas. *Cancer Lett.* 193, 25-32 (2003)
- Pazzaglia, S.*, Mancuso, M.*, Tanori, M.*, Atkinson, M.J., Merola, P.*, Rebessi, S.*, Di Majo, V.*, Covelli, V.*, Hahn, H.*, Saran, A.*: Modulation of patched-associated susceptibility to radiation induced tumorigenesis by genetic background. *Cancer Res.* 64, 3798-3806 (2004)
- Peller, M.*, Muacevic, A.*, Reinl, H.*, Sroka, R.*, Abdel-Rahman, S.*, Issels, R., Reiser, M.F.*: MRT-gestützte Thermometrie in der regionalen Tiefenhyperthermie und interstitiellen Laserthermotherapie. *Radiologe* 44, 310-319 (2004)

Peronnet, V., Pandelova, M., Kettrup, A., Schramm, K.-W.: Implementation of a quality system in a research facility - accreditation in the field of PCCD/F emission sampling. Proceedings of the International Conference QA/QC in the field of emission and air quality measurements: Harmonisation, Standardisation and Accreditation, Borowiak, A. [Ed.], 238-242 (2004)

Perz, S., Küfner, R., Meisinger, C., Ziegler, D.*, Englmeier, K.-H., KORA Group: The effect of different QT interval corrections for heart rate on the QT distributions in diabetic and non-diabetic subjects. Biomed. Tech. 49, 296-297 (2004)

Perz, S., Peters, A., Döring, A., Gehring, J.*, Küfner, R., Englmeier, K.-H.: Computerized ECG analysis identifies adverse health effects of air pollution. Contribution of Medical Informatics to Health: Proceedings of the European Federation for Medical Informatics. Special Topics Conference 2004, Blobel, B. [u.a.Eds.], Berlin : Akadem. Verlagsgesell. mbH, 95-97 (2004)

Perz, S., Pfeufer, A., Holle, R., Hinterseer, M.*, Küfner, R., Englmeier, K.-H., Wichmann, H.-E., Kääh, S.*: Does computerized ECG analysis provide sufficiently consistent QT interval estimates for genetic research?. Analysis of biomedical signals and images: 17. International Eurasip Conference Biosignal 2004, Jan, J. [Ed.], Brno : Vutium Press, 47-49 (2004)

Peters, A., von Klot, St., Heier, M., Trentinaglia, I., Hörmann, A., Wichmann, H.-E., Löwel, H.: Exposure to traffic and the onset of myocardial infarction. New Engl. J. Med. 351, 1721-1730 (2004)

Peters, A.: Susceptible Subgroups : The Challenge of Studying interactions. Epidemiology 15, 1-2 (2004)

Pfister, H.*, Ollert, M., Fröhlich, L.F.*, Quintanilla-Martinez, L., Colby, T.V.*, Specks, U.*, Jenne, D.E.*: Antineutrophil cytoplasmic autoantibodies against the murine homolog of proteinase 3 (Wegener autoantigen) are pathogenic in vivo. Blood 104, 1411-1418 (2004)

Ping, G.*, Zhang, L.*, Zhang, W.*, Schmitt-Kopplin, Ph., Kettrup, A., Zhang, Y.*: Separation of acidic and basic compounds in capillary electrochromatography with polymethacrylate-based monolithic columns. J. Chromatogr. A 1035, 265-270 (2004)

Ping, G.*, Zhang, W.*, Zhang, L.*, Zhang, Li.*, Shan, Y.**, Zhang, Y.*, Schmitt-Kopplin, Ph., Kettrup, A.: Method for dead time determination in reversed-phase capillary electrochromatography with methacrylate-based stationary phases. Chromatographia 58, 803-806 (2003)

Ping, G.*, Zhang, Y.*, Zhang, W.*, Zhang, L.*, Zhang, Li.*, Schmitt-Kopplin, Ph., Kettrup, A.: On-line concentration of neutral and charged species in capillary electrochromatography with a methacrylate-based monolithic stationary phase. Electrophoresis 25, 421-427 (2004)

Piotrowska, K., Pellegata, N.S., Rosemann, M., Fritz, A., Graw, J., Atkinson, M.J.: Mapping of a novel MEN-like syndrome locus to rat Chromosome 4. Mamm. Genome 15, 135-141 (2004)

Pirker, C.*, Raidl, M.*, Steiner, E.*, Elbling, L.*, Holzmann, K.*, Spiegl-Kreinecker, S.*, Aubele, M., Grasl-Kraupp, B.*, Marosi, C.*, Miksche, M.*, Berger, W.*: Whole genome amplification for CGH analysis : Linker-adaptor PCR as the method of choice for difficult and limited samples. Cytom. Part A 61A, 26-34 (2004)

Potthoff, M.*, Lofffield, N.*, Buegger, F., Wick, B.*, John, B.*, Joergensen, R.G.*, Flessa, H.*: The determination of beta13C in soil microbial biomass using fumigation-extraction. Soil Biol. Biochem. 35, 947-954 (2003)

Prakash, N., Wurst, W.: Specification of midbrain territory. Cell Tissue Res. 318, 5-14 (2004)

Prigarin, S.M., Martin, A., Winkler, G.: Numerical models of binary random fields on the basis of thresholds of Gaussian functions. *Sib. J. Numer. Math.* 7, 165-175 (2004)

Pritsch, K., Raidl, S.*, Marksteiner, E.*, Blaschke, H.*, Agerer, R.*, Schloter, M., Hartmann, A.: A rapid and highly sensitive method for measuring enzyme activities in single mycorrhizal tips using 4-methylumbelliferone-labelled fluorogenic substrates in a microplate system. 58, 233-241 (2004)

Pröhl, G., Oyslaegers, G.*, Zeevaert, T.*, Kanyar, B.*, Pinedo, P.*, Simón, I.*, Bergström, U.*, Hallberg, B.*, Mobbs, S.*, Chen, Q.*, Kowe, R.*: Biosphere models for safety assessment of radioactive waste disposal. GSF-Bericht 06/04, Neuherberg : GSF-Forschungszentrum mbH, 73 S. ; mit Anhang (2004)

Prokisch, H., Andreoli, C., Kozany, C., Zischka, H., Ueffing, M., Meitinger, T.: Integrative analysis of the mitochondrial proteome in yeast. *PLoS Biology* 2, 795-804 (2004)

Puelles, E.*, Acampora, D.*, Lacroix, E.*, Signore, M.*, Annino, A.*, Tuorto, F.*, Filosa, S.*, Corte, G.*, Wurst, W., Ang, S.-A.*, Simeone, A.*: Otx dose-dependent integrated control of antero-posterior and dorso-ventral patterning of midbrain. *Nat. Neurosci.* 6, 453-460 (2003)

Puelles, E.*, Annino, A.*, Tuorto, F.*, Usiello, A.*, Acampora, D.*, Czerny, T.*, Brodski, C., Ang, S.-L.*, Wurst, W., Simeone, A.*: Otx2 regulates the extent, identity and fate of neuronal progenitor domains in the ventral midbrain. *Development* 131, 2037-2048 (2004)

Rabus, R.*, Rattei, T.: The genome of *Desulfotalea psychrophila*, a sulfate-reducing bacterium from permanently cold arctic sediments. *Environ. Microbiol.* 6, 887-902 (2004)

Raby, B.A.*, Lazarus, R.*, Weiss, S.T.*: Association of vitamin D receptor gene polymorphisms with childhood and adult asthma. *Am. J. Respir. Crit. Care Med.* 170, 1057-1065 (2004)

Rafalska, I.*, Zhang, Z.*, Benderska, N.*, Wolff, H., Hartmann, A.M.*, Brack-Werner, R., Stamm, S.*: The intranuclear localization and function of YT521-B is regulated by tyrosine phosphorylation. *Hum. Mol. Genet.* 13, 1535-1549 (2004)

Raible, C.*, Leidl, R.: Bietet die Kooperationsforschung Ansätze zur Erklärung des Wandels auf dem deutschen Krankenhausmarkt?. *Gesundheitswesen* 66, 707-715 (2004)

Raidl, M.*, Pirker, C.*, Schulte-Hermann, R.*, Aubele, M., Kandioler-Eckersberger, D.*, Wrba, F.*, Micksche, M.*, Berger, W.*, Grasl-Kraupp, B.*: Multiple chromosomal abnormalities in human liver (pre)neoplasia. *J. Hepatol.* 40, 660-668 (2004)

Rantner, B.*, Kronenberg, F.: Reverse Epidemiologie bei nephrologischen Patienten : Paradoxe Risikofaktoren für Mortalität und Atherosklerose. *J. Hyperton.* 8, 21-29 (2004)

Rauch, J.*, Ahlemann, M.*, Schaffrik, M.*, Mack, B.*, Ertongur, S.*, Andratschke, M.*, Zeidler, R.*, Lang, S.*, Gires, O.: Allogenic antibody-mediated identification of head and neck cancer antigens. *Biochem. Biophys. Res. Comm.* 323, 156-162 (2004)

Rawat, V.P.S., Cusan, M.*, Deshpande, A., Hiddemann, W., Quintanilla-Martinez, L., Humphries, R.K.*, Bohlander, S.K., Feuring-Buske, M., Buske, C.: Etoposin expression of the homeobox gene *Cdx2* is the transforming event in a mouse model of t(12;13)(p13;q12) acute myeloid leukemia. *Proc. Natl. Acad. Sci. USA* 101, 817-822 (2004)

Reis, V.M.*, Estrada-de los Santos, P.*, Tenorio-Salgado, S.*, Vogel, J.*, Stoffels, M., Guyon, S.*, Mavingui, P.*, Baldani, V.L.D.*, Schmid, M., Baldani, J.I.*, Balandreau, J.*, Hartmann, A.*, Caballero-Mellado, J.*: *Burkholderia tropica* sp. nov., a novel nitrogen-fixing, plant-associated bacterium. *Int. J. Syst. Evol. Microbiol.* 54, 2155-2162 (2004)

Resch, A.*, Schlipkötter, U.*, Crispin, A.*, Behrendt, H., Heinrich, J., Wichmann, H.-J., Ring, J.*, Schäfer, T.*: Atopic disease and its determinants - a focus on the potential role of childhood infection. *Clin. Exp. Allergy* 34, 1184-1191 (2004)

Rhodes, C.R.*, Hertzano, R.*, Fuchs, H., Bell, R.E.*, Hrabe de Angelis, M., Steel, K.P.*, Avraham, K.B.*: A *Myo7a* mutation cosegregates with stereocilia defects and low-frequency hearing impairment. *Mamm. Genome* 15, 686-697 (2004)

Richnow, H.-H.*, Annweiler, E.*, Michaelis, W.*, Meckenstock, R.U.: Microbial in situ degradation of aromatic hydrocarbons in a contaminated aquifer monitored by carbon isotope fractionation. *J. Contam. Hydrol.* 65, 101-120 (2003)

Richnow, H.-H.*, Meckenstock, R.U., Reitzel, L.R.*, Baun, A.*, Ledin, A.*, Christensen, Th.H.*: In situ biodegradation determined by carbon isotope fractionation of aromatic hydrocarbons in an anaerobic landfill leachate plume (Vejen, Denmark). *J. Contam. Hydrol.* 64, 59-72 (2003)

Richter, H., Braselmann, H., Hieber, L., Thomas, G.*, Bogdanova, T.*: Chromosomal imbalances in post-Chernobyl thyroid tumors. *Thyroid* 14, 1064-1064 (2004)

Riemenschneider, M.*, Klopp, N., Xiang, W.*, Wagenpfeil, S.*, Vollmert, C., Müller, U.*, Förstl, H.*, Illig, T., Kretschmar, H.*, Kurz, A.*: Prion protein codon 129 polymorphism and risk of Alzheimer disease. *Neurology* 63, 364-366 (2004)

Riemenschneider, M.*, Mahmoodzadeh, S.*, Eisele, T.*, Klopp, N., Schwarz, S.*, Wagenpfeil, S.*, Diehl, J.*, Mueller, U.*, Foerstl, H.*, Illig, T., Kurz, A.*: Association analysis of genes involved in cholesterol metabolism located within the linkage region on chromosome 10 and Alzheimer's disease. *Neurobiol. Aging* 25, 1305-1308 (2004)

Riessbeck, C., Henkelmann, B., Schramm, K.-W.: Air monitoring of PCB with Gerstel-Twister. *Organohalogen Compounds* ; Vol. 66, 297-301 (2004)

Ring, J.*, Brockow, K.*, Behrendt, H.: History and classification of anaphylaxis. *Novartis Foundation Symposium* ; 257, Anaphylaxis, Chichester : Wiley, 6-24 (2004)

Ring, J.*, Brockow, K.: Pseudoallergische Arzneimittelreaktionen. *Manuale allergologicum: Ein Lehr- und Nachschlagewerk im Duster-Ringbuch*, Schultze-Werninghaus, G. [Eds.], München : Duster-Verlag, 715-764 (2004)

Rodrigo, I.*, Bovolenta, P.*, Mankoo, B.S.*, Imai, K.: Meox homeodomain proteins are required for *Bapx1* expression in the sclerotome and activate its transcription by direct binding to its promoter. *Mol. Cell. Biol.* 24, 2757-2766 (2004)

Roots, O.*, Henkelmann, B., Schramm, K.-W.: Concentrations of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans in soil in the vicinity of a landfill. *Chemosphere* 57, 337-342 (2004)

Roots, O.*, Henkelmann, B., Schramm, K.-W.: Levels of PCDDs in soil in the vicinity of the landfill. *Organohalogen Compounds* ; Vol. 66, 1314-1318 (2004)

Roots, O.* , Simm, M.* , Henkelmann, B., Schramm, K.-W.: Levels of PCD/Fs and Dioxine like" PCBs in the pike-perch (*Sander lucioperca* (L) from the North-Eastern part of the Baltic Sea. " The 2. Asian International Conference on Ecotoxicology and Environmental Safety. SECOTOX 2004, 63-65 (2004)

Roots, O.* , Simm, M.* , Järv, L.* , Henkelmann, B., Schramm, K.-W.: Levels of PCDD/Fs and \dioxin like\" PCBs in the perch from the North-Eastern part of the Baltic Sea. "Organohalogen Compounds ; Vol. 66, 1696-1694 (2004)

Rosivatz, E.* , Becker, I.* , Bamba, M.* , Schott, C.* , Diebold, J.* , Mayr, D.* , Höfler, H., Becker, K.-F.* : Neoexpression of N-cadherin in E-cadherin positive colon cancers. *Int. J. Cancer* 111, 711-719 (2004)

Rost, I.* , Fiegler, H.* , Fauth, C.* , Carr, P.* , Bettecken, T., Kraus, J., Meyer, C., Enders, A.* , Wirtz, A.* , Meitinger, Th., Carter, N.P.* , Speicher, M.R.: Tetrasomy 21pter-q21.2 in a male infant without typical Down's syndrome dysmorphic features but moderate mental retardation. *J. Med. Genet.*, 1-7 (2004)

Rost, S.* , Fregin, A.* , Ivaskевичius, V.* , Conzelmann, E.* , Hörtnagel, K., Pelz, H.-J.* , Lappegard, K.* , Seifried, E.* , Scharrer, I.* , Tuddenham, E.G.D.* , Müller, C.R.* , Strom, T.M., Oldenburg, J.* : Mutations in VKORC1 cause warfarin resistance and multiple coagulation factor deficiency type 2. *Nature* 427, 537-541 (2004)

Roth, C., Ferron, G.A., Karg, E., Lentner, B., Schumann, G., Takenaka, S., Heyder, J.: Generation of ultrafine particles by spark discharging. *Aerosol. Sci. Tech.* 38, 228-235 (2004)

Roth, P., Höllriegel, V., Oeh, U., Schramel, P.: Measurement of daily urinary excretion of thorium in unexposed German adult subjects and its application in testing some aspects of the current ICRP biokinetic model. 11. International Congress of the International Radiation Protection Association, CD-ROM (2004)

Roth, W., Sustmann, C.* , Kieslinger, M.* , Gilmozzi, A.* , Irmer, D.* , Kremmer, E., Turck, C.* , Grosschedl, R.* : PIASy-deficient mice display modest defects in IFN and Wnt signaling. *J. Immunol.* 173, 6189-6199 (2004)

Rozman, K.K.: Letter to the editor. *Toxicol. Appl. Pharm.* 195, S.126 (2004)

Rubio-Aliaga, I.* , Boll, M.* , Vogt Weisenhorn, D., Foltz, M.* , Kottra, G.* , Daniel, H.* : The proton/amino acid cotransporter PAT2 is expressed in neurons with a different subcellular localization than its paralog PAT1. *J. Biol. Chem.* 279, 2754-2760 (2004)

Ruckerl, F., Mailhammer, R., Bachl, J.: Dual reporter system to dissect cis- and trans-effects influencing the mutation rate in a hypermutating cell line. *Mol. Immunol.* 41, 1135-1143 (2004)

Rudd, S., Frisch, M.* , Grote, K.* , Meyers, B.C.* , Mayer, K., Werner, T.* : Genome-wide in silicio mapping of scaffold/matrix attachment regions in arabidopsis suggests correlation of intragenic scaffold/matrix attachment regions with gene expression. *Plant Physiol.* 135, 715-722 (2004)

Ruepp, A., Zollner, A.* , Maier, D.* , Albermann, K.* , Hani, J.* , Mokrejs, M., Tetko, I., Güldener, U., Mannhaupt, G., Münsterkötter, M., Mewes, H.W.: The FunCat, a functional annotation scheme for systematic classification of proteins from whole genomes. *Nucleic Acids Res.* 32, 5539-5545 (2004)

Ruf, P.* , Jäger, M.* , Ellwart, J., Wosch, S.* , Kusterer, E.* , Lindhofer, H.* : Two new trifunctional antibodies for the therapy of human malignant melanoma. *Int. J. Cancer* 108, 725-732 (2004)

Runkel, F.*, Marquardt, A.*, Stoeger, C.*, Kochmann, E.*, Simon, D.*, Kohnke, B.*, Korthaus, D.*, Wattler, F.*, Fuchs, H., Hrabe de Angelis, M., Stumm, G.*, Nehls, M.*, Wattler, S.*, Franz, T.*, Augustin, M.*: The dominant alopecia phenotypes Bareskin, Rex-denuded and reduced coat 2 are caused by mutations in gasdermin 3. *Genomics* 84, 824-835 (2004)

Ruvolo, V.*, Sun, L.*, Howard, K.*, Sung, S.*, Delecluse, H.-J.*, Hammerschmidt, W., Swaminathan, S.*: Functional analysis of Epstein-Barr virus SM protein : Identification of amino acids essential for structure, transactivation, splicing inhibition and virion production. *J. Virol.* 78, 2-13 (2004)

Safinowski, M.*, Meckenstock, R.U.: Enzymatic reactions in anaerobic 2-methylnaphthalene degradation by the sulphate-reducing enrichment culture N 47. *FEMS Microbiol. Lett.* 240, 99-104 (2004)

Sandermann, H.: Bound and unextractable pesticidal plant residues : chemical characterization and consumer exposure. *Pest Manag. Sci.* 60, 613-623 (2004)

Sandermann, H.: Molecular ecotoxicology of plants. *Trends Plant Sci.* 9, 406-413 (2004)

Santhiya, S.T., Mansisastry, S.M.*, Rawley, D.*, Malathi, R.*, Anishetty, S.*, Gopinath, P.M.*, Vijayalakshmi, P.*, Namperumalsamy, P.*, Adamski, J., Graw, J.: Mutation analysis of congenital cataracts in Indian families : identification of SNPs and a new causative allele in CRYBB2 gene. *Invest. Ophth. Vis. Sci.* 45, 3599-3607 (2004)

Satzinger, W., Wenng, S., Courte-Wienecke, S.: Der Versuch, die Kommunikation bei der Pflegeüberleitung zu verbessern. *Forum Sozialstation* 28 (Nr.128), 34-37 (2004)

Schächtl, J.: Sensorgestützte Bonitur von Aufwuchs und Stickstoffversorgung bei Weizen- und Kartoffelbeständen. *FAM-Bericht* ; 65, Aachen : Shaker Verl., 208 S. (2004)

Schäfer, T.*, Merkl, J., Klemm, E., Wichmann, H.-E., Ring, J.*: Does my partner cause my allergy ?. *Allergy* 59, 781-785 (2004)

Schäfer, T.*, Riehle, A.*, Wichmann, H.-E., Ring, J.*: Alternative medicine and allergies life satisfaction, health locus of control and quality of life. *J. Psychosom. Res.* 55, 543-546 (2003)

Schaumann, F.*, Borm, P.J.A.*, Krug, N.*: Metal-rich ambient particles (particulate matter_{2.5}) cause airway inflammation in healthy subjects. *Am. J. Respir. Crit. Care Med.* 170, 898-903 (2004)

Schedel, M.*, Carr, D.*, Klopp, N., Woitsch, B.*, Illig, Th., Stachel, D.*, Schmid, I.*, Fritzsche, C.*, Weiland, S.K.*, von Mutius, E.*, Kabesch, M.*: A signal transducer and activator of transcription 6 haplotype influences the regulation of serum IgE levels. *J. Allergy Clin. Immun.* 114, 1100-1105 (2004)

Schendel, D.J., Falk, C.S., Frankenberger, B., Noessner, E., Schleypen, J., Pohla, H.: The cellular and molecular basis of natural antitumor immunity in renal cell carcinoma patients. *Urologe A* 43 (Suppl.), 133-135 (2004)

Scherb, H., Weigelt, E.: Spaltgeburtenrate in Bayern vor und nach dem Reaktorunfall in Tschernobyl. *Mund Kiefer GesichtsChir.* 8, 106-110 (2004)

GSF - Publication List 2004

(* external author)

- Scherer, G., Krämer, U.*, Meger-Kossien, I.*, Riedel, K.*, Heller, W.-D.*, Link, E.*, Gostomzyk, J.-G.*, Ring, J.*, Behrendt, H.: Determinants of children's exposure to environmental tobacco smoke (ETS) : A study in Southern Germany. *J. Expo. Anal. Env. Epid.* 14, 284-292 (2004)
- Schimmack, W., Auerswald, K.*: The radiocaesium interception potential (RIP) at an agricultural site in Germany. *J. Environ. Radioactiv.* 77, 143-157 (2004)
- Schimmack, W., Zimmermann, G.*, Sommer, M., Dietl, F., Schultz, W., Paretzke, H.G.: Soil-to-grain transfer of fallout ¹³⁷Cs for 28 winter wheat cultivars as observed in field experiments. *Radiat. Environ. Bioph.* 42, 275-284 (2004)
- Schlee, M., Krug, T.*, Gires, O., Zeidler, R.*, Hammerschmidt, W., Mailhammer, R., Laux, G., Sauer, G.*, Lovric, J.*, Bornkamm, G.W.: Identification of Epstein-Barr virus (EBV) nuclear antigen 2 (EBNA2) target proteins by proteome analysis : activation of EBNA2 in conditionally immortalized B cells reflects early events after infection of primary b cells by EBV. *J. Virol.* 78, 3941-3952 (2004)
- Schlemmer, M.*, Lindner, L.H., Abdel-Rahman, S.*, Issels, R.D.: Prinzip, Technik und Indikation der Hyperthermie und Teilkörperhyperthermie. *Radiologe* 44, 301-309 (2004)
- Schleuning, M., Buxbaum-Conradi, H.*, Jäger, G.*, Kolb, H.-J.: Intravenous ribavirin for eradication of respiratory syncytial virus (RSV) and adenovirus isolates from the respiratory and/or gastrointestinal tract in recipients of allogeneic hematopoietic stem cell transplants. *Hematol. J.* 5, 135-144 (2004)
- Schlosser, I., Hölzel, M., Hoffmann, R.*, Burtscher, H.*, Kohlhuber, F., Schuhmacher, M., Chapman, R., Weidle, U.H.*, Eick, D.: Dissection of transcriptional programmes in response to serum and c-Myc in a human B-cell line. *Oncogene*, 1-5 (2004)
- Schmid, E., Schlegel, D.*, Krumrey, M.*, Stephan, G.*: RBE of neutrons at energies of 36 keV-15 MeV and photons at energies of 1.8 keV-40 keV for induction of dicentrics in human lymphocytes. *Proceedings of the 11. International Congress of IRPA-11*, 1-8 (2004)
- Schmid, E.: Response to the comment Re-evaluation of the RBE of 29kV x-rays (mammography x-rays) relative to 220 kV x-rays using neoplastic transformation of human CGL 1-hybrid cells. *Radiat. Environ. Bioph.* 43, 59-60 (2004)
- Schmidt, T.C.*, Zwank, L.*, Elsner, M.*, Berg, M.*, Meckenstock, R.U., Haderlein, S.B.*: Compound-specific stable isotope analysis of organic contaminants in natural environments : a critical review of the state of the art, prospects and future challenges. *Anal. Bioanal. Chem.* 378, 283-300 (2004)
- Schmidt, W.-P.*, Roesler, A.*, Kretzschmar, K.*, Ladwig, K.-H., Junker, R.*, Berger, K.*: Functional and cognitive consequences of silent stroke discovered using brain magnetic resonance imaging in an elderly population. *J. Am. Geriatr. Soc.* 52, 1045-1050 (2004)
- Schmitt-Kopplin, Ph.: Interpreting capillary electrophoresis - electrospray/mass spectrometry (CZE-ESI/MS) of Suwannee River natural organic matter (NOM). *Humic Substances : Nature's Most Versatile Materials*, Ghabbour, E. [Ed.], London : Taylor & Francis, 9-29 (2004)
- Schofield, P.N.*, Bard, J.B.L.*, Booth, C.*, Boniver, J.*, Covelli, V.*, Delvenne, P.*, Ellender, M.*, Engstrom, W.*, Goessner, W., Gruenberger, M.*, Höfler, H., Hopewell, J.*, Mancuso, M.-T.*, Mothersill, C.*, Potten, C.S.*, Quintanilla-Fend, L., Rozell, B.*, Sariola, H.*, Sundberg, J.P.*, Ward, A.*: Pathbase : a database of mutant mouse pathology. *Nucleic Acids Res.* 32, 1-4 (2004)
- Schofield, P.N.*, Goessner, W., Höfler, H., Quintanilla-Martinez, L.: Pathbase : a new reference resource and database for laboratory mouse pathology. *Radiat. Prot. Dosim.* 112, 525-528 (2004)

- Schoof, H., Ernst, R., Mayer, K.F.X.: The PlaNet consortium : a network of European plant databases connecting plant genome data in an integrated biological knowledge resource. *Comp. Funct. Genom.* 5, 184-189 (2004)
- Schoof, H., Ernst, R., Nazarov, V., Pfeifer, L., Mewes, H.-W., Mayer, K.F.X.: MIPS Arabidopsis thaliana database (MAtdB) : an integrated biological knowledge resource for plant genomics. *Nucleic Acids Res.* 32, 373-376 (2004)
- Schotterer, U., Stichler, W., Ginot, P.: The influence of post-depositional effects on ice core studies : Examples from the Alps, Andes and Altai. *Earth Paleoenvironments: Records Preserved in Mid- and Low-Latitude Glaciers*, Cecil, L.D. et al. [Eds.], Dordrecht : Kluwer, 39-59 (2004)
- Schramm, K.-W., Kettrup, A.: A simple cleanup procedure and bioassay for determining TCDD - toxicity equivalents of environmental samples. *Waste Management Series ; Vol. 4, Solid Waste: Assessment, Monitoring and Remediation*, Amsterdam [u.a.] : Elsevier, 539-550 (2004)
- Schrick, K.*, Nguyen, D.*, Karlowski, W.M., Mayer, K.F.X.: START lipid/sterol-binding domains are amplified in plants and are predominantly associated with homeodomain transcription factors. *Genome Biol.* 5, R41-R41-16 (2004)
- Schroeder, P., Fischer, C.: Reaction of spruce cells toward heavy metals and the influence of culture conditions. *Environ. Sci. Pollut. Res.* 11, 388-393 (2004)
- Schroeder, P., Huber, B., Gerl, G., Munch, J.C.: Abschlussbericht der III. Hauptphase 1999-2003. FAM-Bericht ; 62, Oberschleissheim/Neuherberg : GSF-Forschungszentrum mbH, 198 S. (2004)
- Schroeder, P., Huber, B., Gerl, G., Munch, J.C.: Abschlussbericht der III. Hauptphase 1999-2003. Berichte der Teilprojekte. FAM-Bericht ; 62, Oberschleissheim/Neuherberg : GSF-Forschungszentrum mbH, 249 S. (2004)
- Schroll, R., Kühn, S.: Test system to establish mass balances for ¹⁴C-labeled substances in soil ,plant, atmosphere systems under field conditions. *Environ. Sci. Technol.* 38, 1537-1544 (2004)
- Schulz, A.E.I., Stocker, A., Hallosi, L., Schramm, K.-W.: TRalpha- and TSH-mRNA levels after temporal exposition with methimazole in zebrafish, Danio rerio.. *Organohalogen Compounds ; Vol. 66*, 3052-3056 (2004)
- Schulz, H., Schulz, A., Eder, G., Heyder, J.: Labelled carbon dioxide (C¹⁸O₂) : an indicator gas for phase II in expirograms. *J. Appl. Physiol.* 97, 1755-1762 (2004)
- Schulz, H.: Aerosoldeposition im Atemtrakt. *forum HNO* 6, 67-72 (2004)
- Seedorf, H.*, Springer, I.N.*, Grundner-Culemann, E., Albers, H.-K.*, Reis, A.*, Fuchs, H., Hrabé de Angelis, M., Acil, Y.*: Amelogenesis Imperfecta in a New Animal Model - a Mutation in Chromosome 5 (human 4q21). *J. Dent. Res.* 83, 608-812 (2004)
- Sehy, U., Dyckmans, J.*, Ruser, R., Munch, J.C.: Adding dissolved organic carbon to simulate freeze-thaw related N₂O emissions from soil. *J. Plant Nutr. Soil Sci.* 167, 471-478 (2004)
- Seidenbusch, M., Kohn, M.M.*, Gallitzendorfer, V.*, Schneider, K.*, Regulla, D.: 25 Jahre Röntgendatenbank in der Kinderradiologie. *Hauner-Journal* 11/12, 32-34 (2003)

Seidlitz, H.K., Ernst, D., Krins, A., Heller, W.: Erhöhte UV-Strahlung - Simulation und Risikobewertung. Rundgespräche der Kommission für Ökologie ; Bd. 27, Erhöhte UV-Strahlung : Folgen und Maßnahmen, München : Verl. Dr. Friedrich Pfeil, 65-71 (2004)

Semiochkina, N., Voigt, G.*, Mukusheva, M.*, Bruk, G.*, Travnikova, I.*, Strand, P.*: Assessment of the current internal dose due to ¹³⁷Cs and ⁹⁰Sr for people living within the semipalatinsk test site, Kazakhstan. Health Phys. 86, 187-192 (2004)

Semmler, M., Seitz, J., Erbe, F., Mayer, P., Heyder, J., Oberdörster, G.*, Kreyling, W.G.: Long-term clearance kinetics of inhaled ultrafine insoluble iridium particles from the rat lung, including transient translocation into secondary organs. Inhal. Toxicol. 16, 453-459 (2004)

Sharma, S., Aneja, M.K., Mayer, J.*, Schlöter, M., Munch, J.C.: RNA fingerprinting of microbial community in the rhizosphere soil of grain legumes. FEMS Microbiol. Lett. 240, 181-186 (2004)

Shen, H., Main, K.*, Kaleva, M.*, Schmidt, I.*, Boisen, K.*, Chellakooty, M.*, Damgaard, I.*, Virtanen, H.*, Haavisto, A.M.*, Skakkebaek, N.*, Toppari, J.*, Schramm, K.-W.: The relationship between enantiomeric fraction and concentration of α -hexachlorocyclohexane in human placentas. Organohalogen Compounds ; Vol. 66, 437-439 (2004)

Shiu, S.-H.*, Karlsowski, W.M., Pan, R.*, Tzeng, Y.-H.*, Mayer, K.F.X., Li, W.-H.*: Comparative analysis of the receptor-like kinase family in Arabidopsis and rice. Plant Cell 16, 1220-1234 (2004)

Sidorova, N.A.*, Smolyanov, O.G.*, v. Weizsäcker, H.*, Wittich, O.: The surface limit of Brownian motion in tubular neighborhoods of an embedded Riemannian manifold. J. Funct. Anal. 206, 391-413 (2004)

Siebert, M., Englmeier, K.-H., von Eisenhart-Rothe, R.*, Bringmann, C.*, Eckstein, F.*, Bonel, H.*, Reiser, M.*, Graichen, H.*: Three dimensional biomechanical analysis of the knee joint with MR image data. Contribution of Medical Informatics to Health: Proceedings of the European Federation for Medical Informatics. Special Topics Conference, Blobel, B. [Hrsg.], Berlin : Akad. Verlagsgesell., 93-94 (2004)

Siebert, M., Jovanovic, A., Eckstein, F.*, Graichen, H.*, Englmeier, K.-H.: Quantitative in vivo Analyse fragmentierter Gelenkknorpel mit der MRT. Bildverarbeitung für die Medizin : Algorithmen, Systeme, Anwendungen. Proceedings, Tolxdorff, Th. (Hrsg.), Berlin : Springer, 1-4 (2004)

Siebert, U., Brundobler, U.*, Klauss, V.*, Rieber, J.*, Perleth, M.*, Wasem, J.*, Leidl, R.: Gesundheitsökonomischer Teil. Health Technology Assessment ; Bd. 31, Stenting versus Ballondilatation bei koronarer Herzkrankheit: Systematische Übersicht zur medizinischen Effektivität und gesundheitsökonomische Bewertung, Sankt Augustin : Asgard-Verl., 349-391 (2003)

Siedlar, M.*, Frankenberger, M., Benkhart, E., Espevik, T.*, Quirling, M.*, Brand, K.*, Zembala, M.*, Ziegler-Heitbrock, L.*: Tolerance induced by the lipopeptide Pam3Cys is due to ablation of IL-1R-associated kinase-1. J. Immunol. 173, 2736-2745 (2004)

Siegler, G.*, Meyer, B.*, Dawson, C.*, Brachtel, E.*, Lennerz, J.*, Koch, C.*, Kremmer, E., Niedobitek, E.*, Gonnella, R., Pilch, B.Z.*, Young, L.S.*, Niedobitek, G.*: Expression of tumor necrosis factor receptor-associated factor 1 in nasopharyngeal carcinoma : Possible upregulation by Epstein-Barr virus latent membrane proteins 1. Int. J. Cancer 112, 265-272 (2004)

Silventoinen, K.*, Sans, S.*, Tolonen, H.*, Monterde, D.*, Kuulasmaa, K.*, Kesteloot, H.*, Tuomilehto, J.*, WHO MONICA Project: Trends in obesity and energy supply in the WHO MONICA Project. Int. J. Obesity 28, 710-718 (2004)

Simas, J.P.*, Marques, S.*, Bridgeman, A.*, Efstathiou, S.*, Adler, H.: The M2 gene product of murine gammaherpesvirus 68 is required for efficient colonization of splenic follicles but is not necessary for expansion of latently infected germinal centre B cells. J. Gen. Virol. 85, 2789-2797 (2004)

- Skarnes, W.C.*, von Melchner, H.*, Wurst, W., Hicks, G.*, Nord, A.S.*, Cox, T.*, Young, S.G.*, Ruiz, P.*, Soriano, P.*, Tessier-Lavigne, M.*, Conklin, B.R.*, Stanford, W.L.*, Rossant, J.*: A public gene trap resource for mouse functional genomics. *Nat. Genet.* 36, 543-544 (2004)
- Smidt, M.P.*, Smits, S.M.*, Bouwmeester, H.*, Hamers, F.P.T.*, van der Linden, A.J.A.*, Hellemons, A.J.C.G.M.*, Graw, J., Burbach, J.P.H.*: Early developmental failure of substantia nigra dopamine neurons in mice lacking the homeodomain gene Pitx3. *Development* 131, 1145-1155 (2004)
- Smolyanov, O.G.*, von Weizsaecker, H., Wittich, O.: The Feynman formula for the cauchy problem in domains with boundary. *Dokl. Math.* 69, 257-261 (2004)
- Sommer, M., Fiedler, S.*, Glatzel, S.*, Kleber, M.*: First estimates of regional (Allgäu, Germany) and global CH₄ fluxes from wet colluvial margins of closed depressions in glacial drift areas. *Agr. Ecosyst. Environ.* 103, 251-257 (2004)
- Sørensen, K.D.*, Quintanilla-Martinez, L., Kunder, S., Schmidt, J., Pedersen, F.S.*: Mutation of all runx (AML1/Core) sites in the enhancer of T-lymphomagenic SL3-3 murine leukemia virus unmasks a significant potential for myeloid leukemia induction and favors enhancer evolution toward induction of other disease patterns. *J. Virol.* 78, 13216-13231 (2004)
- Specht, K., Haralambieva, E.*, Bink, K., Kremer, M., Mandl-Weber, S.*, Koch, I.*, Tomer, R.*, Höfler, H., Schuurung, E.*, Kluin, P.M.*, Fend, F.*, Quintanilla-Martinez, L.: Different mechanisms of cyclin D1 overexpression in multiple myeloma revealed by fluorescence in situ hybridization and quantitative analysis of mRNA levels. *Blood* 104, 1120-1126 (2004)
- Staib, C., Drexler, I., Sutter, G.: Construction and isolation of recombinant MVA. *Methods in Molecular Biology ; Vol. 269, Vaccinia Virus and Poxvirology: Methods and Protocols*, Isaacs, S.N. [Ed.], Totowa, NJ : Humana Press Inc., 77-99 (2004)
- Stanglmaier, M., Reis, S., Hallek, M.: Rituximab and Alemtuzumab induce a nonclassic, caspase-independent apoptotic pathway in B-lymphoid cell lines and in chronic lymphocytic leukemia cells. *Ann. Hematol.* 83, 634-645 (2004)
- Stewart, J.P.*, Silvia, O.J.*, Atkin, I.M.D.*, Hughes, D.J.*, Ebrahimi, B.*, Adler, H.: In vivo function of a gammaherpesvirus virion glycoprotein : Influence on B-cell infection and mononucleosis. *J. Virol.* 78, 10449-10459 (2004)
- Stöger, T., Reinhard, C., Ritter, B., Karg, E., Schroepfel, A., Heyder, J., Schulz, H.: Comparison of the inflammatory effects of six different particles in BALB/cJ mice. *INIS Monographs, Effects of Air Contaminants on the Respiratory Tract - Interpretations from Molecules to Meta Analysis*, Heinrich, J. [Ed.], 1-10 (2004)
- Streibel, T., Adam, T.*, Mühlberger, F., Cao, L.*, Zimmermann, R.*: Application of time-of-flight mass spectrometry with laser-based photoionization methods for analytical pyrolysis of PVC. *Organohalogen Compounds ; Vol. 66*, 811-816 (2004)
- Suhadolc, M.*, Schroll, B., Gattinger, A., Schloter, M., Munch, J.C., Lestan, D.*: Effects of modified Pb-, Zn-, and Cd- availability on the microbial communities and on the degradation of isoproturon in a heavy metal contaminated soil. *Soil Biol. Biochem.* 36, 1943-1954 (2004)
- Szekely, E.*, Simandi, B.*, Illes, R.*, Molnar, P.*, Gebefügi, I., Kmecz, I.*, Fogassy, E.*: Application of supercritical fluid extraction for fractionation of enantiomers. *J. Supercrit. Fluid* 31, 33-40 (2004)
- Szymczak, W., Kreyling, W.G., Seitz, J., Wittmaack, K.: Mass spectrometry characterisation of pure and mixed ultrafine particles of iridium and carbon. *J. Aerosol. Sci.* 35 (Suppl.1), 37-38 (2004)

- Takenaka, S., Karg, E., Kreyling, W.G., Lentner, B., Schulz, H., Ziesenis, A., Schramel, P., Heyder, J.: Fate and toxic effects of inhaled ultrafine cadmium oxide particles in the rat lung. *Inhal. Toxicol.* 16 (Suppl.1), 83-92 (2004)
- Tanner, R.J., Chartier, J.-L.* , Siebert, B.R.L.* , Agosteo, S.* , Großwendt, B.* , Gualdrini, G.* , Kodeli, I.* , Leuthold, G.P., Ménard, S.* , Price, R.A.* , Tagziria, H.* , Terrissol, M.* , Zankl, M.: Intercomparison on the usage of computational codes in radiation dosimetry. *Radiat. Prot. Dosim.* 110, 769-780 (2004)
- Taranenko, V., Pröhl, G., Gómez-Ros, J.M.*: Absorbed dose rate conversion coefficients for reference terrestrial biota for external photon and internal exposures. *J. Radiol. Prot.* 24, 35-62 (2004)
- Terranova, P.F.* , Rozman, K.K.: Ovarian toxicity caused by endocrine disruptors. Target organ toxicology series, *Ovarian Toxicology*, Hoyer, P.B. [Ed.], : CRC Press, 61-84 (2004)
- Thalhammer, S.* , Langer, S.* , Speicher, M.R., Heckl, W.M.* , Geigl, J.B.: Generation of chromosome painting probes from single chromosomes by laser microdissection and linker-adaptor PCR. *Chromosome Res.* 12, 337-343 (2004)
- Thorand, B., Döring, A., Fröhlich, M.* , Heier, M., Löwel, H., Koenig, W.*: Assoziation zwischen C-reaktivem Protein und der täglichen Fett-, Ballaststoff- und Mikronährstoffaufnahme. *Proc. Germ. Nutr. Soc.* 6, 63-64 (2004)
- Timonen, K.L.* , Hoek, G.* , Heinrich, J., Bernard, A.* , Brunekreef, B.* , de Hartog, J.* , Hämeri, K.* , Ibaldo-Mulli, A., Mirme, A.* , Peters, A., Tiittanen, P.* , Kreyling, W.G., Pekkanen, J.*: Daily variation in fine and ultrafine particulate air pollution and urinary concentrations of lung Clara cell protein CC16. *Occup. Environ. Med.* 61, 908-914 (2004)
- Tingberg, A.* , Herrmann, C., Lanhede, B.* , Almen, A.* , Sandborg, M.* , McVey, G.* , Mattsson, S.* , Panzer, W., Besjakov, J.* , Mansson, L.G.* , Kheddache, S.* , Alm Carlsson, G.* , Dance, D.R.* , Tylen, U.* , Zankl, M.: Influence of the characteristic curve on the clinical image quality of lumbar spine and chest radiographs. *Brit. J. Radiol.* 77, 204-215 (2004)
- Tirsch, W.S., Stude, Ph.* , Scherb, H., Keidel, M.*: Temporal order of nonlinear dynamics in human brain. *Brain Res. Rev.* 45, 79-95 (2004)
- Topinka, J., Loli, P.* , Georgiadis, P.* , Dusinska, M.* , Hurbankova, M.* , Kovacicova, Z.* , Volkovova, K.* , Kazimirova, A.* , Barancokova, M.* , Tatrai, E.* , Oesterle, D., Wolff, Th., Kyrtopoulos, S.A.*: Mutagenesis by asbestos in the lung of lambda-lacI transgenic rats. *Mutat. Res.- Fund. Mol. Mech. Mutagen.* 553, 67-78 (2004)
- Topinka, J., Oesterle, D., Reimann, C.* , Wolff, Th.: No-effect level in the mutagenic activity of the drug cyproterone acetate in rat liver Part II. Multiple dose treatment. *Mutat. Res.- Fund. Mol. Mech. Mutagen.* 550, 101-108 (2004)
- Topinka, J., Oesterle, D., Reimann, R.* , Wolff, Th.: No-effect level in the mutagenic activity of the drug cyproterone acetate in rat liver part I. Single dose treatment. *Mutat. Res.- Fund. Mol. Mech. Mutagen.* 550, 89-99 (2004)
- Topp, R., Cyrys, J., Gebefügi, I., Schnelle-Kreis, J.* , Richter, K.* , Wichmann, H.-E., Heinrich, J.: Indoor and outdoor air concentrations of BTEX and NO₂ : Correlation of repeated measurements. *J. Environ. Monitor.* 6, 807-812 (2004)
- Topp, R., Wimmer, K., Fahlbusch, B.* , Bischof, W.* , Richter, K.* , Wichmann, H.-E., Heinrich, J.: Repeated measurements of allergens and endotoxin in settled house dust over a time period of 6 years. *Clin. Exp. Allergy* 33, 1659-1666 (2003)

Trak-Fellermeier, M.A., Brasche, S.*, Winkler, G.*, Koletzko, B.*, Heinrich, J.: Food and fatty acid intake and atopic disease in adults. *Eur. Respir. J.* 23, 575-582 (2004)

Trokovich, R*, Trokovich, N.*, Hernesniemi, S.*, Pirvola, U.*, Vogt-Weisenhorn, D., Rossant, J.*, McMahon, A.P.*, Wurst, W., Partanen, J.*: FGFR1 is independently required in both developing mid- and hindbrain for sustained response to isthmus signals. *EMBO J.* 22, 1811-1823 (2003)

Twardowska, I.*, Schramm, K.-W., Berg, K.: Sewage sludge. Waste Management Series ; Vol. 4, Solid Waste: Assessment, Monitoring and Remediation, Twardowska, I. [Eds.], Amsterdam [u.a.] : Elsevier, 239-294 (2004)

Tykva, R., Berg, D.: Man-Made and Natural Radioactivity in Environmental Pollution and Radiochronology. *Environmental Pollution* ; 7, Dordrecht : Kluwer, 416 S. (2004)

Ulanovsky, A., Drozdovitch, V.*, Bouville, A.*: Influence of radionuclides distributed in the whole body on the thyroid dose estimates obtained from direct thyroid measurements made in Belarus after the Chernobyl accident. *Radiat. Prot. Dosim.* 112, 405-418 (2004)

Ulbrecht, M.*, Maier, S.*, Hofmeister, V.*, Falk, C.S., Brooks, A.G.*, McMaster, M.T.*, Weiss, E.H.*: Truncated HLA-G isoforms are retained in the endoplasmic reticulum and insufficiently provide HLA-E ligands. *Hum. Immunol.* 65, 200-208 (2004)

Ulrich, A.*, Morozov, A.*, Krücken, R.*, Görtler, A.*, Wieser, J.*, Kornfeld, G.*, Peters, A.*, Steinhübl, R.*, Mühlberger, F., Zimmermann, R.: Electron beam pumped ultraviolet light sources. Conference Series Number ; 182, Proceedings of the 10. International Symposium on the Science and Technology of Light Sources, Zissis, G. [Hrsg.], 367-368 (2004)

Unger, K., Zitzelsberger, H., Salvatore, G.*, Santoro, M.*, Bogdanova, T.*, Braselmann, H., Kastner, P., Zurnadzhy, L.*, Tronko, N.*, Hutzler, P., Thomas, G.: Heterogeneity in the distribution of RET/PTC rearrangements within individual post-Chernobyl papillary thyroid carcinomas. *J. Clin. Endocr. Metab.* 89, 4272-4279 (2004)

Uter, W.*, Ludwig, A.*, Balda, B.-R.*, Schnuch, A.*, Pfahlberg, A.*, Schäfer, T.*, Wichmann, H.-E., Ring, J.: The prevalence of contact allergy differed between population-based and clinic-based data. *J. Clin. Epidemiol.* 57, 627-632 (2004)

van Raamsdonk, C.D.*, Fitch, K.R.*, Fuchs, H., Hrabe de Angelis, M., Barsh, G.S.*: Effects of G-protein mutations on skin color. *Nat. Genet.* 36, 961-968 (2004)

van Strien, R.T.*, Gehring, U., Belanger, K.*, Triche, E.*, Gent, J.*, Bracken, M.B.*, Leaderer, B.P.*: The influence of air conditioning, humidity, temperature and other household characteristics on mite allergen concentrations in the northeastern United States. *Allergy* 59, 645-652 (2004)

Vandenabeele, S.*, Vanderauwera, S.*, Vuylsteke, M.*, Rombauts, S.*, Langebartels, C., Seidlitz, H.K., Zabeau, M.*, van Montagu, M.*, Inze, D.*, van Breusegem, F.*: Catalase deficiency drastically affects gene expression induced by high light in *Arabidopsis thaliana*. *Plant J.* 39, 45-58 (2004)

Venables, K.*, Ring, J., Sastre, J.*: Preventive measures section 2: Occupational allergies and asthma. *Chemical Immunology and Allergy* ; Vol. 84, Prevention of allergy and allergic asthma. World allergy organization project report and guidelines, Johansson, S.G.O. [Ed.], Basel : Karger, 152-162 (2004)

Veronese, I.*, Giussani, A.*, Cantone, M.C.*, Birattari, C.*, Bonardi, M.*, Groppi, F.*, Höllriegl, V., Roth, P., Werner, E.: Influence of the chemical form on the plasma clearance of ruthenium in humans. *Appl. Radiat. Isotopes* 60, 7-13 (2004)

Veronese, I.*, Giussani, A.*, Göksu, H.Y., Martini, M.*: Isothermal decay studies of intermediate energy levels in quartz. *Radiat. Environ. Bioph.* 43, 51-57 (2004)

Veronese, I.*, Giussani, A.*, Göksu, H.Y., Martini, M.*: The trap parameters of electrons in intermediate energy levels in quartz. *Radiat. Meas.* 38, 743-746 (2004)

Verweij, J.*, Casali, P.G.*, Zalberg, J.*, LeCesne, A.*, Reichardt, P.*, Blay, J.-Y.*, Issels, R., van Oosterom, A.*, Hogendoorn, P.C.W.*, van Glabbeke, M.*, Bertulli, R.*, Judson, I.*: Progression-free survival in gastrointestinal stromal tumours with high-dose imatinib : randomised trial. *Lancet* 364, 1127-1134 (2004)

Viluksela, M., Raasmaja, A.*, Lebofsky, M.*, Stahl, B.U.*, Rozman, K.K.: Tissue-specific effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on the activity of 5'-deiodinases I and II in rats. *Toxicol. Lett.* 147, 133-142 (2004)

Vinck, J., von Lengerke, Th.: Health Psychology and Public Health - bridging the gap. *J. Health Psychol.* 9, 157-175 (2004)

Vineis, P.*, Alavanja, M.*, Buffler, P.*, Fontham, E.*, Franceschi, S.*, Gao, Y.T.*, Gupta, P.C.*, Hackshaw, A.*, Matos, E.*, Samet, J.*, Sitas, F.*, Smith, J.*, Stayner, L.*, Straif, K.*, Thun, M.J.*, Wichmann, H.-E., Wu, A.H.*, Zaridze, D.*, Peto, R.*, Doll, R.*: Tobacco and Cancer : Recent epidemiological evidence. *J. Natl. Cancer Inst.* 96, 99-106 (2004)

Vogt, R.D.*, Akkanen, J.*, Andersen, D.O.*, Brüggemann, R.*, Chatterjee, B., Gjessing, E.*, Kukkonen, J.V.K.*, Larsen, H.E.*, Luster, J.*, Paul, A.*, Pflugmacher, S.*, Starr, M.*, Steinberg, C.E.W., Schmitt-Kopplin, Ph., Szolnay, A.: Key site variables governing the functional characteristics of dissolved natural organic matter (DNOM) in Nordic forested catchments. *Aquat. Sci.* 66, 195-210 (2004)

Voigt, K., Brüggemann, R.*, Pudenz, S.*: Chemical databases evaluated by order theoretical tools. *Anal. Bioanal. Chem.* 380, 467-474 (2004)

Voigt, K., Welzl, G., Brüggemann, R.*: Data analysis of environmental air pollutant monitoring systems in Europe. *Environmetrics* 15, 577-596 (2004)

Vollmert, C., Illig, T., Altmüller, J., Klugbauer, S., Loesgen, S., Dumitrescu, L., Wjst, M.: Single nucleotide polymorphism screening and association analysis - exclusion of integrin $\beta 7$ and vitamin D receptor (chromosome 12q) as candidate genes for asthma. *Clin. Exp. Allergy* 34, 1841-1850 (2004)

von Eisenhart-Rothe, R.*, Bringmann, C.*, Siebert, M., Reiser, M.*, Englmeier, K.-H., Eckstein, F.*, Graichen, H.*: Femoro-tibial and menisco-tibial translation patterns in patients with unilateral anterior cruciate ligament deficiency-a potential cause secondary meniscal tears. *J. Orthopaed. Res.* 22, 275-282 (2004)

von Eisenhart-Rothe, R.*, Siebert, M., Bringmann, C., Vogl, T.*, Englmeier, K.-H., Graichen, H.*: A new in vivo technique for determination of 3D kinematics and contact areas of the patello-femoral and tibio-femoral joint. *J. Biomech.* 37, 927-934 (2004)

von Lengerke, T., John, J.: On individualism, environmentalism and the degree of complexity needed in obesity prevention : a response to Mokdad (2003). *Soz. Präventiv. Med.* 49, 5-7 (2004)

von Lengerke, Th., Rütten, A.*, Vinck, Th.*, Abel, Th.*, Kannas, L.*, Lüschen, G.*, Diaz, J.A.R.*, van der Zee, J.*: Research utilization and the impact of health promotion policy. *Soz. Präventiv. Med.* 49, 185-197 (2004)

GSF - Publication List 2004

(* external author)

Wagner, B.*, Tarnawski, V.R.*, Stöckl, M.: Evaluation of pedotransfer functions predicting hydraulic properties of soils and deeper sediments. *J. Plant Nutr. Soil Sci.* 167, 1-10 (2004)

Wagner, M., Poeck, H.*, Jahrsdoerfer, B.*, Rothenfusser, S.*, Prell, D.*, Bohle, B.*, Tuma, E.*, Giese, Th.*, Ellwart, J.W., Endres, S.*, Hartmann, G.*: IL-12p70-dependent Th1 induction by human B cells requires combined activation with CD40 ligand and CpG DNA. *J. Immunol.* 172, 954-963 (2004)

Wahl, M., Shukunami, C.*, Heinzmann, U., Hamajima, K.*, Hiraki, Y.*, Imai, K.: Transcriptome analysis of early chondrogenesis in ATDC5 cells induced by bone morphogenetic protein 4. *Genomics* 83, 45-58 (2004)

Wahl, M.B., Caldwell, R.B., Kierzek, A.M.*, Arakawa, H., Eyra, E.*, Hubner, N., Jung, C., Soeldenwagner, M., Cervelli, M., Wang, Y.-D., Liebscher, V.*, Buerstedde, J.-M.: Evaluation of the chicken transcriptome by SAGE of B cells and the DT40 cell line. *BMC Genomics* 5 (2004)

Wahl, W., Li, W., Roth, P., Muikku, M.*, Salonen, L.*, Rahola, T.*: Comparison between modelling and in vivo measurements of natural radionuclides in man for proof of the biokinetic model and for reconstruction of the radiation exposure. 11. International Congress of the International Radiation Protection Association, CD-ROM (2004)

Walch, A.*, Specht, K., Braselmann, H., Stein, H.*, Siewert, J.R.*, Hopt, U.*, Höfler, H., Werner, M.*: Coamplification and coexpression of GRB7 and ERBB2 is found in high grade intraepithelial neoplasia and in invasive Barrett's carcinoma. *Int. J. Cancer* 112, 747-753 (2004)

Walz, A., Mack, B.*, Schmitt, B.*, Gires, O., Wollenberg, B.*, Zeidler, R.*: Antitumour effects of a bidpecific trivalent antibody in multicellular tumour spheroids. *Anticancer Res.* 24, 887-894 (2004)

Wang, J.*, Xie, P.*, Xu, Y.*, Kettrup, A., Schramm, K.-W.: Differing estrogen activities in the organic phase of air particulate matter collected during sunny and foggy weather in a Chinese city detected by a recombinant yeast bioassay. *Atmos. Environ.* 38, 6157-6166 (2004)

Weber, L.W., Boll, M., Stampfl, A.: Maintaining cholesterol homeostasis : Sterol regulatory element-binding proteins. *World J. Gastroenterol.* 10, 3081-3087 (2004)

Wei, J.*, Blum, S., Jarmy, G.*, Lamparta, M., Geishauser, A., Vlastos, G.A., Chan, G.*, Fischer, K.-D.Ü, Rattat, D.*, Debatin, K.-M.*, Hatzopoulos, A.K., Beltinger, Ch.*: Embryonic endothelial progenitor cells armed with a suicide gene target hypoxic lung metastasis after intravenous delivery. *Cancer Cell* 5, 477-488 (2004)

Weidinger, S., Klopp, N., Wagenpfeil, S.*, Rümmler, L.*, Schedel, M.*, Kabesch, M.*, Schäfer, T.*, Darsow, U.*, Jakob, T., Behrendt, H., Wichmann, H.E., Ring, J.*, Illig, T.: Association of a STAT 6 haplotype with elevated serum IgE levels in a population based cohort of white adults. *J. Med. Genet.* 41, 658-663 (2004)

Weidinger, S., Schäfer, T.*, Malek, B.*, von Schmiedeberg, S.*, Schill, W.B.*, Ring, J.*, Köhn, F.M.*: Association between atopy and cryptorchidism. *J. Allergy Clin. Immun.* 114, 192-193 (2004)

Weisshart, K.*, Pestryakov, P.*, Smith, R.W.P.*, Hartmann, H.*, Kremmer, E., Lavrik, O.*, Nasheuer, H.-P.*: Coordinated regulation of replication protein A activities by its subunits p14 and p32. *J. Biol. Chem.* 279, 35368-35376 (2004)

Wellmann, J., Heidrich, J.*, Berger, K.*, Döring, A., Heuschmann, P.U.*, Keil, U.*: Changes in alcohol intake and risk of coronary heart disease and all-cause mortality in the MONICA/KORA-Augsburg cohort 1987-97. *Eur. J. Cardiovasc. Prev. Rehab.* 11, 48-55 (2004)

Welte, R., Feenstra, T.*, Jager, H.*, Leidl, R.: A decision chart for assessing and improving the transferability of economic evaluation results between countries. *Pharmacoeconomics* 22, 857-876 (2004)

Wendehenne, D.*, Durner, J., Klessig, D.F.*: Nitric oxide : a new player in plant signalling and defence responses. *Curr. Opin. Plant Biol.* 7, 1-7 (2004)

Wendtner, C.-M., Kofler, D.M., Mayr, C., Bund, D., Hallek, M.: The potential of gene transfer into primary B-CLL cells using recombinant virus vectors. *Leukemia Lymphoma* 45, 897-904 (2004)

Werner, M., Herbon, N., Gohlke, H., Altmüller, J., Knapp, M.*, Heinrich, J., Wjst, M.: Asthma is associated with single-nucleotide polymorphisms in ADAM33. *Clin. Exp. Allergy* 34, 26-31 (2004)

Werner, T.: The state of the art of mammalian promoter recognition. *Brief. Bioinform.* 4, 22-30 (2003)

Wichmann, H.-E., Heinrich, J.: Air pollution and infectious respiratory diseases - epidemiological evidence of an association?. *INIS Monographs, Effects of air contaminants on the respiratory tract - interpretations from molecules to meta analysis. 9. International Inhalation Symposium, Heinrich, U. [Ed.], Stuttgart : Fraunhofer IRB Verlag, 323-339 (2004)*

Wichmann, H.-E.: What can we learn today from the Central European smog episode of 1985 (and earlier episodes) ?. *Int. J. Hyg. Environ. Health* 207, 505-520 (2004)

Wichmann, H.-E.: Positive gesundheitliche Auswirkungen des Einsatzes von Partikelfiltern bei Dieselfahrzeugen - Risikoabschätzung für die Mortalität in Deutschland. *Umweltmed. Forsch. Prax.* 9, 85-99 (2004)

Wichmann, H.-E.: 20 years after the winter smog episode 1985 - the particle problem then and today. *Int. J. Hyg. Environ. Health* 207, 489-491 (2004)

Wichmann, H.-E.: Health effects of air pollutants. Air pollution and the risks to human health -Epidemiology- : AIRNET Work Group 2 -Epidemiology-, 17-31 (2004)

Wienberg, J.: The evolution of eutherian chromosomes. *Curr. Opin. Genet. Dev.* 14, 657-666 (2004)

Wilke, B.-M.*, Gattinger, A., Fröhlich, E.*, Zelles, L., Gong, P.*: Phospholipid fatty acid composition of a 2,4,6-trinitrotoluene contaminated soil and an uncontaminated soil as affected by a humification remediation process. *Soil Biol. Biochem.* 36, 725-729 (2004)

Willer, T.*, Prados, B.*, Falcon-Perez, J.*, Renner-Müller, I.*, Przemeck, G.K.H., Lommel, M.*, Coloma, A.*, Valero, M.C.*, Hrabe de Angelis, M., Tanner, W.*, Wolf, E.*, Strahl, S.*, Cruces, J.*: Targeted disruption of the Walker-Warburg syndrome gene *Pomt1* in mouse results in embryonic lethality. *Proc. Natl. Acad. Sci. USA* 101, 14126-14131 (2004)

Winkler, G.: Beiträge zur Biomedizinischen Bildgebung mit einem Seitenblick auf Molecular Imaging. GSF-Bericht 03/04, Neuherberg : GSF-Forschungszentrum mbH, 285 S. (2004)

Winkler, J.B., Herbst, M.: Do plants of a semi-natural grassland community benefit from long-term CO₂ enrichment?. *Basic Appl. Ecol.* 5, 131-143 (2004)

Wittmaack, K., Keck, L.: Thermodesorption of aerosol matter on multiple filters of different materials for a more detailed evaluation of sampling artifacts. *Atmos. Environ.* 38, 5205-5215 (2004)

Wittmaack, K.: Towards a realistic description of the contribution of primary and secondary aerosols to ambient particle number and mass distributions. *J. Aerosol. Sci.* 35, 611-620 (2004)

Wittmaack, K.: Reliability of a popular simulation code for predicting sputtering yields of solids and ranges of low-energy ions. *J. Appl. Phys.* 96, 2632-2637 (2004)

Wittmaack, K.: Characterization of carbon nanoparticles in ambient aerosols by scanning electron microscopy and model calculations. *J. Air Waste Manag. Assoc.* 54, 1091-1098 (2004)

Wjst, M.: The triple T allergy hypothesis. *Clin. Dev. Immunol.* 11, 175-180 (2004)

Wjst, M.: Target SNP selection in complex disease association studies. *BMC Bioinformatics* 5, 1-6 (2004)

Wjst, M.: Is the increase in allergic asthma associated with an inborn Th1 maturation or with an environmental Th1 trigger defect?. *Allergy* 59, 148-150 (2004)

Wölfel, M.*, Schalk, S.*, Hellmich, M.*, Huster, K.M.*, Busch, D., Berthold, F.*: Quantification of MHC tetramer-positive cells from whole blood : Evaluation of a single-platform, six-parameter flow cytometric method. *Cytom. Part A* 57A, 120-130 (2004)

Yang, P.*, Chen, J.*, Chen, S.*, Yuan, X.*, Schramm, K.-W., Kettrup, A.: QSPR models for physicochemical properties of polychlorinated diphenyl ethers. *Sci. Total Environ.* 305, 65-76 (2003)

Yevdokimiv, I.*, Ruser, R., Buegger, F., Marx, M., Goerke, K., Schneider, D., Munch, J.-C.: Carbon cycling in rhizosphere and bulk soil after ¹³C pulse-chase labeling. *Physics, chemistry and biogeochemistry in soil and plant studies*, Jozefaciuk, G. [Ed.], Lublin, Polen : Drukarnia ALF-Graf, 163-166 (2004)

Zaiko, M.*, Estreicher, A.*, Ritz-Laser, B.*, Herrera, P.*, Favor, J., Meda, P.*, Philippe, J.*: Pax2 mutant mice display increased number and size of islets of Langerhans but no change in insulin and glucagon content. *Eur. J. Endocrinol.* 150, 389-395 (2004)

Zarei, M.*, Sommer, B., Stahr, K.*: Neofomed Holloysite in Podzols developed on the Bärhalde granite, Southern Black Forest, Germany. 2001. *A Clay Odyssey*, : Elsevier, 227-236 (2003)

Zeidler, D., Zähringer, U.*, Gerber, I.*, Dubery, I.*, Hartung, T.*, Bors, W., Hutzler, P., Durner, J.: Innate immunity in *Arabidopsis thaliana* : Lipopolysaccharides activate nitric oxide synthase (NOS) and induce defense genes. *Proc. Natl. Acad. Sci. USA* 101, 15811-15816 (2004)

Zhang, H.*, Screenivasulu, N.*, Weschke, W.*, Stein, N.*, Rudd, S., Radchuk, V.*, Potokina, E.*, Scholz, U.*, Schweizer, P.*, Zierold, U.*, Langridge, P.*, Varshney, R.K.*, Wobus, U.*, Graner, A.*: Large-scale analysis of the barley transcriptome based on expressed sequence tags. *Plant J.* 40, 276-290 (2004)

Zhu, P.*, Huber, E., Kiefer, F., Göttlicher, M.: Specific and redundant functions of histone deacetylases in regulation of cell cycle and apoptosis. *Cell Cycle* 3, 115-117 (2004)

Zhu, P.*, Martin, E.*, Mengwasser, J.*, Schlag, P.*, Janssen, K.-P.*, Göttlicher, M.: Induction of HDAC2 expression upon loss of APC in colorectal tumorigenesis. *Cancer Cell* 5, 455-463 (2004)

Zimmermann, R., Mühlberger, F., Dorfner, R., Adam, T., Streibel, T., Mitschke, S., Cao, L.*: Application of time of flight-mass spectrometry with laser-based ionization methods for fast on-line characterization of pyrolyses and combustion processes. 16. International Symposium on Analytical and Applied Pyrolysis, 103-105 (2004)

Zimmermann, R., Mühlberger, F., Hafner, K.: Laser ionisation mass spectrometry for on-line characterization of combustion processes. Proceedings of the International Symposium of the Kanazawa University 21. Century COE Program, Hayakawa, K. ; Kizu, R. ; Kamata, N. [Ed.], 93-98 (2004)

Zimmermann, R., Mühlberger, F., Hafner, K.: Laser ionisation mass spectrometry for on-line characterization of combustion processes. *Kuopio University Publications C. Natural and Environmental Sciences* ; 172, 1. International Symposium on Incomplete Combustion. Proceedings, Raunemaa, T. ; Yli-Pirilä, P. ; Kajander, A. [Eds.], 127-129 (2004)

Zimmermann, R., Mühlberger, F.: Photoionisation/mass spectrometry for on-line analysis of organic compounds in flue gases of thermal processes. *The International Conference for Environmental Analysis in 21C*, 27-38 (2004)

Zimprich, A.*, Biskup, S., Leitner, P.*, Lichtner, P., Farrer, M.*, Lincoln, S.*, Kachergus, J.*, Hulihan, M.*, Uitti, R.J.*, Calne, D.B.*, Stoessl, A.J.*, Pfeiffer, R.F.*, Patenge, N.*, Carbaja, I.C.*, Vieregge, P.*, Asmus, F.*, Müller-Myhsok, B.*, Dickson, D.W.*, Meitinger, Th., Strom, T.M., Wszolek, Z.K.*, Gasser, T.*: Mutations in LRRK2 cause autosomal-dominant parkinsonism with pleomorphic pathology. *Neuron* 44, 601-607 (2004)

Zischka, H., Gloeckner, C.J., Klein, C.*, Willmann, S., Swiatek-de Lange, M., Ueffing, M.: Improved mass spectrometric identification of gel-separated hydrophobic membrane proteins after sodium dodecyl sulfate removal by ion-pair extraction. *Proteomics* 4, 3776-3782 (2004)

Zitzelsberger, H., Hieber, L., Richter, H., Unger, K., Briscoe, C.V.*, Peddie, C.*, Riches, A.*: Gene amplification of analytical PKC-binding PARD3 in radiation-transformed neoplastic retinal pigment epithelial cell lines. *Gene Chromosome Cancer* 40, 55-59 (2004)

zu Castell, W.: Fractional derivatives and the inverse Fourier transform of l1-radial functions. *Integr. Transf. Spec. Funct.* 15, 209-223 (2004)