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des Helmholtz-Zentrums für Umweltforschung – UFZ

Forschungsbereich Gesundheit

Vorbemerkung

Das vorliegende Veröffentlichungsverzeichnis umfasst die im Jahre 2009 erschienenen Publikationen, die von Mitarbeitern der Helmholtz- Zentrum für Umweltforschung GmbH - UFZ verfasst, mitverfasst oder herausgegeben wurden.

Redaktionsschluss für diese Publikationsliste war der 26. Februar 2010. Alle bis dahin nicht erfassten Beiträge werden im Veröffentlichungsverzeichnis 2010 erscheinen.

Im Unterschied zu externen Autoren sind UFZ Angehörige bei allen Publikationen durch fette Schrift hervorgehoben.

Das anschließende alphabetische Register verzeichnet alle UFZ Autoren mit den jeweiligen laufenden Nummern ihrer Publikationen.

Bei den Publikationen aus Zeitschriften mit Impact Factor (IF) werden diese mit aufgeführt. Der IF wird berechnet durch Division der Anzahl der Zitate von Aufsätzen der Zeitschrift durch die Gesamtzahl an Aufsätzen der Zeitschrift in den letzten zwei Jahren. Um einen Impact Factor zu erhalten muss die Zeitschrift im Scientific Citation Index gelistet sein.

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Zeitschriften mit Impact Factor

1. **Bauer, M.**, Dondero, F., Olivieri, C., Viarengo, A.G., **Rudzok, S.** (2009):
Comparative transcriptomic responses to acute nickel and chlorpyrifos exposure in human HepG2
Toxicol.Lett. **189** (Suppl. 1), S91 - S91
Impact Factor: 3.249
2. Birmili, W., Alaviippola, B., Hinneburg, D., Knoth, O., Tuch, T., Borcken- Kleefeld, J., Schacht, A. (2009):
Dispersion of traffic- related exhaust particles near the Berlin urban motorway - estimation of fleet emission factors
Atmos.Chem.Phys. **9** (7), 2355 - 2374
Impact Factor: 4.927
3. Chen, C.- M., Weidinger, S., Klopp, N., Sausenthaler, S., Bischof, W., **Herbarth, O.**, **Bauer, M.**, **Borte, M.**, Schaaf, B., **Lehmann, I.**, Behrendt, H., Krämer, U., Berdel, D., von Berg, A., Bauer, C.P., Koletzko, S., Illig, T., Wichmann, H.E., Heinrich, J., LISA Study Group, , GINI Study Group, (2009):
Common variants in FCER1A influence total serum IgE levels from cord blood up to six years of life
Allergy **64** (9), 1327 - 1332
Impact Factor: 6.204
4. Costabile, F., Birmili, W., Klose, S., Tuch, T., Wehner, B., Wiedensohler, A., **Franck, U.**, König, K., Sonntag, A. (2009):
Spatio- temporal variability and principal components of the particle number size distribution in an urban atmosphere
Atmos.Chem.Phys. **9** (9), 3163 - 3195
Impact Factor: 4.927
5. Cramer, C., Link, E., Sugiri, D., Wichmann, H., Heinrich, J., Sausenthaler, S., **Lehmann, I.**, Herbarth, O., Borte, M., Behrendt, H., von Berg, A., Schaaf, B., Kramer, U. (2009):
Day care attendance and eczema in East and West Germany - results from the LISA birth cohort study
Allergy **64** (Suppl. 90, Meeting Abstract: 216), 100 - 100
Impact Factor: 6.204
6. Fiedler, G.M., Leichtle, A.B., Kase, J., **Baumann, S.**, Ceglarek, U., Felix, K., Conrad, T., Witzigmann, H., Weimann, A., Schütte, C., Hauss, J., Büchler, M., Thiery, J. (2009):
Serum peptidome profiling revealed platelet factor 4 as a potential discriminating peptide associated with pancreatic cancer
Clinical Cancer Research **15** (11), 3812 - 3819
Impact Factor: 6.488

7. **Herberth, G.**, Daegelmann, C., Roeder, S., Behrendt, H., Kraemer, U., Borte, M., Heinrich, J., Herbarth, O., **Lehmann, I.** (2009):
IL-17E but not IL-17A is associated with allergic sensitisation: results from the LISA study
Allergy **64** (Supp. 90, Meeting Abstract: 104), 50 - 50
Impact Factor: 6.204
8. **Herberth, G., Gubelt, R., Röder, S.**, Krämer, U., Schins, R., Diez, U., **Borte, M.**, Heinrich, J., Wichmann, H.E., **Herbarth, O., Lehmann, I.** (2009):
Increase of inflammatory markers after indoor renovation activities: The LISA birth cohort study.
Pediatr.Allergy Immunol. **20** (6), 563 - 570
Impact Factor: 2.723
9. **Herberth, G., Hinz, D.**, Roder, S., Diez, U., Borte, M., **Lehmann, I.** (2009):
Innate versus adaptive immune response in pregnant women and corresponding cord bloods
Cytometry Part A **75A** (8), 717 - 718
Impact Factor: 3.259
10. John, S., Johnson, T.A., Sung, M.H., Biddie, S.C., **Trump, S.**, Koch- Paiz, C.A., Davis, S.R., Walker, R., Meltzer, P., Hager, G.L. (2009):
Kinetic complexity of the global response to glucocorticoid receptor action
Endocrinology **150** (4), 1766 - 1774
Impact Factor: 4.945
11. Kramer, U., Sugiri, D., Ranft, U., Krutmann, J., von Berg, A., Berdel, D., Behrendt, H., Kuhlbusch, T., Hochadel, M., Wichmann, H.E., Heinrich, J. (2009):
Eczema, respiratory allergies, and traffic- related air pollution in birth cohorts from small- town areas
Journal of Dermatological Science **56** (2), 99 - 105
Impact Factor: 2.973
12. **Leitte, A.M.**, Petrescu, C., **Franck, U., Richter, M.**, Suciu, O., Ionovici, R., Herbarth, O., **Schlink, U.** (2009):
Respiratory health, effects of ambient air pollution and its modification by air humidity in Drobeta- Turnu Severin, Romania
Sci.Total Environ. **407** (13), 4004 - 4011
Impact Factor: 2.579
13. **Matysik, S., Herbarth, O., Mueller, A.** (2009):
Determination of microbial volatile organic compounds (MVOCs) by passive sampling onto charcoal sorbents
Chemosphere **76** (1), 114 - 119
Impact Factor: 3.054

14. Matysik, S., Matysik, F.M. (2009):
Microextraction by packed sorbent coupled with gas chromatography- mass spectrometry: application to the determination of metabolites of monoterpenes in small volumes of human urine
Microchimica Acta **166** (1-2), 109 - 114
Impact Factor: 1.91
15. **Mörbt, N.**, Mögel, I., **Kalkhof, S.**, **Feltens, R.**, **Röder- Stolinski, C.**, Zheng, J., **Vogt, C.**, **Lehmann, I.**, **von Bergen, M.** (2009):
Proteome changes in human bronchoalveolar cells following styrene exposure indicate involvement of oxidative stress in the molecular- response mechanism
Proteomics **9** (21), 4909 - 4933
Impact Factor: 4.586
16. Oostingh, G.J., **Wichmann, G.**, Schmittner, M., **Lehmann, I.**, Duschl, A. (2009):
The cytotoxic effects of the organophosphates chlorpyrifos and diazinon differ from their immunomodulating effects
Journal of Immunotoxicology **6** (2), 136 - 145
Impact Factor: -
17. Pang, X.C., Guo, Y.M., Chen, J.M., Liu, L.Q., Yang, M.J., **Franck, U.** (2009):
The Association Between the Particulate Matter and the Hospital Emergency Room Visits for Circulatory Diseases: A Case- Crossover Study
Epidemiology **20** (6), S107 - S107
Impact Factor: 5.406
18. **Polte, T.**, Fuchs, L., Behrendt, A.- K., Hansen, G. (2009):
Different role of CD30 in the development of acute and chronic airway inflammation in a murine asthma model
European Journal of Immunology **39** (7), 1736 - 1742
Impact Factor: 4.865
19. **Polte, T.**, Schutze, N., **Lehmann, I.**, Simon, J. (2009):
Mycotoxins exacerbate the allergic immune response in a murine asthma model
Allergy **64** (Suppl. 90, Meeting Abstract: 374), 162 - 162
Impact Factor: 6.204
20. Rehders, D., Classen, B., Redecke, L., Buschke, A., Reibe, C., **Jehmlich, N.**, **von Bergen, M.**, Betzel, A., Meyer, B. (2009):
Peptide NMHRYPNQ of the Cellular Prion Protein (PrP^C) Inhibits Aggregation and Is a Potential Key for Understanding Prion- Prion Interactions
Journal of molecular biology **392** (1), 198 - 207
Impact Factor: 4.146

21. Risch, M., Georgieva, D., **von Bergen, M., Jehmlich, N.**, Genov, N., Arni, R.K., Betzel, C. (2009):
Snake venomics of the Siamese Russell's viper (*Daboia russelli siamensis*) - Relation to pharmacological activities
Journal of Proteomics **72** (2), 256 - 269
Impact Factor: -

22. **Rudzok, S., Bauer, M.** (2009):
Binary mixtures of pharmaceuticals and nickel
Toxicol.Lett. **189** (Suppl. 1), S59 - S59
Impact Factor: 3.249

23. **Rudzok, S.**, Schmücking, E., Graebisch, C., Herbarth, O., **Bauer, M.** (2009):
The inducibility of human cytochrome P450 1A by environmental- relevant xenobiotics in the human hepatoma derived cell line HepG2
Environ.Toxicol.Pharmacol. **28** (3), 370 - 378
Impact Factor: 1.051

24. Rzehak, P., Sausenthaler, S., Koletzko, S., Bauer, C.P., Schaaf, B., von Berg, A., Berdel, D., Borte, M., Herbarth, O., Krämer, U., Fenske, M., Wichmann, H.E., Heinrich, J. (2009):
Period- specific growth, overweight and modification by breastfeeding in the GINI and LISA birth cohorts up to age 6 years
European Journal of Epidemiology **24** (8), 449 - 467
Impact Factor: 2.572

25. Saalbach, A., Klein, C., **Schirmer, C.**, Anderegg, U., Simon, J.C. (2009):
Role of dermal fibroblasts in the regulation of dendritic cellmigration
Experimental Dermatology **18** (3), 291 - 291
Impact Factor: 3.259

26. Sausenthaler, S., Rzehak, P., Chen, C.M., Arck, P., Bockelbrink, A., Schafer, T., Schaaf, B., **Borte, M., Herbarth, O.**, Kramer, U., von Berg, A., Wichmann, H.E., Heinrich, J. (2009):
Stress- Related Maternal Factors During Pregnancy in Relation to Childhood Eczema: Results From the LISA Study
Journal of Investigational Allergology and Clinical Immunology **19** (6), 481 - 487
Impact Factor: 1.254

27. Schnabel, E., Sausenthaler, S., Brockow, I., Liese, J., **Herbarth, O.**, Michael, B., Schaaf, B., Kramer, U., von Berg, A., Wichmann, H.E., Heinrich, J. (2009):
Burden of otitis media and pneumonia in children up to 6 years of age: results of the LISA birth cohort
European Journal of Pediatrics **168** (10), 1251 - 1257
Impact Factor: 1.416

28. Schnabel, E., Sausenthaler, S., Liese, J., **Herbarth, O.**, **Borte, M.**, Schaaf, B., Kramer, U., von Berg, A., Wichmann, H.E., Heinrich, J. (2009):
Hospital admission in children up to the age of 2 years
European Journal of Pediatrics **168** (8), 925 - 931
Impact Factor: 1.416
29. Schnabel, E., Sausenthaler, S., Schaaf, B., Schaefer, T., **Lehmann, I.**, Behrendt, H., Herbarth, O., Borte, M., Kramer, U., von Berg, A., Wichmann, H., Heinrich, J. (2009):
Prospective association between food sensitization and food allergy: results of the LISA birth cohort study
Clinical & Experimental Allergy **40** (3), 450 - 457
Impact Factor: 3.556
30. Scholz, S., Knobel, M., Ortman, J., Busser, F., Kramer, N., Hermens, J., **Tanneberger, K.**, **Schirmer, K.** (2009):
The fish embryo test as an alternative to acute fish toxicity testing: optimisation for difficult compounds and role of metabolic activation
Toxicol.Lett. **189** (Suppl. 1), S205 - S205
Impact Factor: 3.249
31. Slama, R., Cyrus, J., Herbarth, O., Wichmann, H.E., Heinrich, J. (2009):
A further plea for rigorous science and explicit disclosure of potential conflicts of interest
Archives of Toxicology **83** (4), 293 - 295
Impact Factor: 2.626
32. **von Bergen, M.**, Eidner, A., **Schmidt, F.**, **Murugaiyan, J.**, **Wirth, H.**, Binder, H., Maier, T., Roesler, U. (2009):
Identification of harmless and pathogenic algae of the genus *Prototheca* by MALDI- MS
Proteomics Clinical Applications **3** (7), 774 - 787
Impact Factor: 1.514
33. Wichmann, F.A., **Müller, A.**, Busi, L.E., Cianni, N., Massolo, L., Schlink, U., **Porta, A.**, Sly, P.D. (2009):
Increased asthma and respiratory symptoms in children exposed to petrochemical pollution
J.Allergy Clin.Immunol. **123** (3), 632 - 638
Impact Factor: 9.773
34. **Wichmann, G.**, **Franck, U.**, **Herbarth, O.**, Rehwagen, M., Dietz, A., Massolo, L., Ronco, A., **Müller, A.** (2009):
Different immunomodulatory effects associated with sub- micrometer particles in ambient air from rural, urban and industrial areas
Toxicology **257** (3), 127 - 136
Impact Factor: 2.836

Bücher, Buchbeiträge und Buchherausgaben

35. Cianni, N., **Müller, A.**, Lespade, P., Aguilar, M., Matamoros, N., Colman, E., Martin, M., Chiapperini, V., Bussi, L., Massolo, L., Wichmann, F., **Porta, A.** (2009):
Calidad del aire y salud infantil en áreas urbanas e industriales de La Plata y Ensenada, Argentina
In: Puliafito, S.E., Quaranta, N. (Hrsg.)
Contaminación atmosférica en Argentina: contribuciones de la II Reunión Anual PROIMCA
Universidad Tecnológica Nacional, Mendoza, S. 37 - 44
36. Massolo, L., **Müller, A.**, Rehwagen, M., **Porta, A.**, **Herbarth, O.**, Ronco, A. (2009):
Estimación del riesgo asociado a PAHs en ambientes urbanos e industriales
In: Puliafito, S.E., Quaranta, N. (Hrsg.)
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37. **Röder, S.**, **Richter, M.**, Herbarth, O. (2009):
Application of mnSOM on linking external exposure to internal load
In: Köppen, M., Kasabov, N., Coghill, G. (Hrsg.)
Advances in Neuro- Information Processing: 15th International Conference, ICONIP 2008, Auckland, New Zealand, November 25-28, 2008, Revised Selected Papers, Part II
Lecture Notes in Computer Science
Springer, Berlin, S. 816 - 823

Dissertationen

38. **Röder- Stolinski, C.** (2009):
Untersuchungen zum Mechanismus der VOC- induzierten inflammatorischen
Antwort von Lungenepithelzellen
Diss., Martin- Luther- Universität Halle- Wittenberg
Dissertation, 11/2009
103 S.

Tagungsbeiträge

39. Petrescu, C., **Leitte, A.**, Budu, D.M., **Franck, U.**, Ionovici, R., **Richter, M.**, Suciu, O., Herbarth, O., **Schlink, U.** (2009):
Modeling of airborne chemical stressors and climate factors combined action on the respiratory health of the population in Drobeta Turnu Severin, Romania
11th International Conference on Environmental Science and Technology, Chania, Crete, Greece, 3. - 5. September 2009
Chania, Crete, S. A-1124 - A-1131

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