



Veille scientifique sur le thème Santé Environnement intérieur

2007 – 3^{ème} trimestre

179 articles ont été répertoriés pendant la période du 24 juillet au 8 octobre 2007.

Les articles sont classés selon les chapitres suivants :

I- SUBSTANCES

- I-1. Gaz inorganiques (radon, O₃, NO_x, CO)
- I-2. Composés Organiques Volatils et Composés Organiques Semi-Volatils
- I-3. Particules et fibres
- I-4. Biocontaminants
- I-5. Pesticides / biocides
- I-6. Métaux
- I-7. Fumée de tabac environnementale

II- LIEUX DE VIE

- II-1. Habitat privé
- II-2. Transports
- II-3. Autres lieux de vie : écoles, bureaux, espaces de loisirs, lieux publics...
- II-4. Ventilation et systèmes
- II-5. Modélisation
- II-6. Relations air intérieur - air extérieur

III- EFFETS SANITAIRES

- III-1. Effets chez l'animal
- III-2. Effets chez l'homme
- III-3. Populations sensibles

IV- EVALUATION DES RISQUES

- IV-1. Expologie : mesure de l'exposition et ses outils (indicateurs biologiques, budgets espace-temps)
- IV-2. Evaluation des risques

V- GESTION / REMEDIATION

VI- ARTICLES DIVERS

Chaque article, à l'exception des articles de synthèse qui sont compilés en fin de document, n'apparaît que dans un seul chapitre. Le lecteur est dès lors invité à compléter sa consultation d'un chapitre particulier par une recherche par mot-clé.

Le lecteur est invité à se reporter à la note relative à la veille scientifique pour la liste des revues et bases de recherche bibliographique consultées dans le cadre de la veille scientifique menée par le réseau RSEIN.

I- SUBSTANCES

I-1. Gaz inorganiques

- Radon

1. Author: Andersen, C. E.; Raaschou-Nielsen, O.; Andersen, H. P.; Linda, M.; Gravesen, P.; Thomsen, B. L.; Ulbak, K.
Year: 2007
Title: Prediction of Rn-222 in Danish dwellings using geology and house construction information from central databases
Journal: Radiation Protection Dosimetry, Volume: 123, Issue: 1, Pages: 83-94
2. Author: Brogna, A.; La Delfa, S.; La Monaca, V.; Lo Nigro, S.; Morelli, D.; Patane, G.; Tringali, G.
Year: 2007
Title: Measurements of indoor radon concentration on the south-eastern flank of Mount Etna volcano (Southern Italy)
Journal: Journal of Volcanology and Geothermal Research, Volume: 165, Issue: 1-2, Pages: 71-75
3. Author: Dubois, G.; Bossew, P.; Friedmann, H.
Year: 2007
Title: A geostatistical autopsy of the Austrian indoor radon survey (1992-2002)
Journal: Science of the Total Environment, , Volume: 377, Issue: 2-3, Pages: 378-395
4. Author: Buttafuoco, G.; Tallarico, A.; Falcone, G.
Year: 2007
Title: Mapping soil gas radon concentration: A comparative study of geostatistical methods
Journal: Environmental Monitoring and Assessment, Volume: 131, Issue: 1-3, Pages: 135-151
5. Author: Smith, B. J.; Field, R. W.
Year: 2007
Title: Effect of housing factors and surficial uranium on the spatial prediction of residential radon in Iowa
Journal: Environmetrics, Volume: 18, Issue: 5, Pages: 481-497
6. Author: Sundal, A. V.; Jensen, C. L.; Anestad, K.; Strand, T.
Year: 2007
Title: Anomalously high radon concentrations in dwellings located on permeable glacial sediments
Journal: Journal of Radiological Protection, Volume: 27, Issue: 3, Pages: 287-298

I-2. COV, COSEmi-Volatils

- COV/Aldéhydes

7. Author: Shinohara, N.; Fujii, M.; Yamasaki, A.; Yanagisawa, Y.
Year: 2007
Title: Passive flux sampler for measurement of formaldehyde emission rates
Journal: Atmospheric Environment, Volume: 41, Issue: 19, Pages: 4018-4028
8. Author: Lv, P.; Tang, Z.; Wei, G. F.; Yu, J.; Huang, Z. X.
Year: 2007
Title: Recognizing indoor formaldehyde in binary gas mixtures with a micro gas sensor array and a neural network
Journal: Measurement Science & Technology, Volume: 18, Issue: 9, Pages: 2997-3004

9. Author: Jahnke, Annika; Huber, Sandra; Temme, Christian; Kylin, Henrik; Berger, Urs
 Year: 2007
 Title: Development and application of a simplified sampling method for volatile polyfluorinated alkyl substances in indoor and environmental air
 Journal: Journal of Chromatography A, Volume: 1164, Issue: 1-2, Pages: 1-9

- **Semi-volatils**

10. Author: Tan, J.; Cheng, S. M.; Loganath, A.; Chong, Y. S.; Obbard, J. P.
 Year: 2007
 Title: Selected organochlorine pesticide and polychlorinated biphenyl residues in house dust in Singapore
 Journal: Chemosphere, Volume: 68, Issue: 9, Pages: 1675-1682

11. Author: Regueiro, J.; Llompart, M.; Garcia-Jares, C.; Cela, R.
 Year: 2007
 Title: Factorial-design optimization of gas chromatographic analysis of tetrabrominated to decabrominated diphenyl ethers. Application to domestic dust
 Journal: Analytical and Bioanalytical Chemistry, Volume: 388, Issue: 5-6, Pages: 1095-1107

12. Author: Garcia, M.; Rodriguez, I.; Cela, R.
 Year: 2007
 Title: Microwave-assisted extraction of organophosphate flame retardants and plasticizers from indoor dust samples
 Journal: Journal of Chromatography A, Volume: 1152, Issue: 1-2, Pages: 280-286

13. Author: Hemakanthi De Alwis, G. K.; Needham, L. L.; Barr, D. B.
 Year: 2007
 Title: Automated solid phase extraction and quantitative measurement of 2,3-dibromo-1-propanol in urine using gas chromatography-mass spectrometry
 Journal: Archives of Environmental Contamination and Toxicology, Volume: 53, Issue: 1, Pages: 134-139

14. Author: Canosa, P.; Perez-Palacios, D.; Garrido-Lopez, A.; Tena, M. T.; Rodriguez, I.; Rubi, E.; Cela, R.
 Year: 2007
 Title: Pressurized liquid extraction with in-cell clean-up followed by gas chromatography-tandem mass spectrometry for the selective determination of parabens and triclosan in indoor dust
 Journal: Journal of Chromatography A, Volume: 1161, Issue: 1-2, Pages: 105-112

ARTICLE DE SYNTHÈSE

15. Author: Bohlin, P.; Jones, K. C.; Strandberg, B.
 Year: 2007
 Title: Occupational and indoor air exposure to persistent organic pollutants: A review of passive sampling techniques and needs
 Journal: Journal of Environmental Monitoring, Volume: 9, Issue: 6, Pages: 501-509

- **Émissions par les matériaux**

16. Author: Knudsen, H.N.; Clausen, P.A.; Wilkins, C.K.; Wolkoff, P.
 Year: 2007
 Title: Sensory and chemical evaluation of odorous emissions from building products with and without linseed oil
 Journal: Building and Environment, Indoor Air 2005 Conference, Volume: 42, Issue: 12, Pages: 4059-4067

- **Réactions chimiques**

17. Author: Zuraimi, M. S.; Weschler, C. J.; Tham, K. W.; Fadeyi, M. O.
 Year: 2007
 Title: The impact of building recirculation rates on secondary organic aerosols generated by indoor chemistry
 Journal: Atmospheric Environment, Volume: 41, Issue: 25, Pages: 5213-5223

18. Author: Iinuma, Y.; Muller, C.; Boge, O.; Gnauk, T.; Herrmann, H.
 Year: 2007
 Title: The formation of organic sulfate esters in the limonene ozonolysis secondary organic aerosol (SOA) under acidic conditions
 Journal: Atmospheric Environment, Volume: 41, Issue: 27, Pages: 5571-5583

19. Author: Harrison, J. C.; Ham, J. E.; Wells, J. R.
 Year: 2007
 Title: Citronellal reactions with ozone and OH radical: Rate constants and gas-phase products detected using PFBHA derivatization
 Journal: Atmospheric Environment, Volume: 41, Issue: 21, Pages: 4482-4491

I-3. Particules et fibres

20. Author: He, C.; Morawska, L.; Taplin, L.
 Year: 2007
 Title: Particle emission characteristics of office printers
 Journal: Environmental Science & Technology, Volume: 41, Issue: 17, Pages: 6039-6045

21. Author: Reff, A.; Turpin, B. J.; Offenberg, J. H.; Weisel, C. P.; Zhang, J.; Morandi, M.; Stock, T.; Colome, S.; Winer, A.
 Year: 2007
 Title: A functional group characterization of organic PM_{2.5} exposure: Results from the RIOPA study
 Journal: Atmospheric Environment, Volume: 41, Issue: 22, Pages: 4585-4598

22. Author: Gudmundsson, A.; Londahl, J.; Bohgard, M.
 Year: 2007
 Title: Methodology for identifying particle sources in indoor environments
 Journal: Journal of Environmental Monitoring, Volume: 9, Issue: 8, Pages: 831-838

I-4. Biocontaminants

23. Author: Bloom, E.; Bal, K.; Nyman, E.; Must, A.; Larsson, L.
 Year: 2007
 Title: Mass spectrometry-based strategy for direct detection and quantification of some mycotoxins produced by *Stachybotrys* and *Aspergillus* spp. in indoor environments
 Journal: Applied and Environmental Microbiology, Volume: 73, Issue: 13, Pages: 4211-4217

24. Author: Wilson, S. C.; Palmatier, R. N.; Andriychuk, L. A.; Martin, J. M.; Jumper, C. A.; Holder, H. W.; Straus, D. C.
 Year: 2007
 Title: Mold contamination and air handling units
 Journal: Journal of Occupational and Environmental Hygiene, Volume: 4, Issue: 7, Pages: 483-491

25. Author: Goebes, M. D.; Hildemann, L. M.; Kujundzic, E.; Hernandez, M.
 Year: 2007
 Title: Real-time PCR for detection of the *Aspergillus* genus
 Journal: Journal of Environmental Monitoring, Volume: 9, Issue: 6, Pages: 599-609

26. Author: Vesper, S.; McKinstry, C.; Ashley, P.; Haugland, R.; Yeatts, K.; Bradham, K.; Svendsen, E.
 Year: 2007
 Title: Quantitative PCR analysis of molds in the dust from homes of asthmatic children in North Carolina
 Journal: Journal of Environmental Monitoring, Volume: 9, Issue: 8, Pages: 826-830

27. Author: Vesper, S.; McKinstry, C.; Haugland, R.; Wymer, L.; Bradham, K.; Ashley, P.; Cox, D.; Dewalt, G.; Friedman, W.
Year: 2007
Title: Development of an environmental relative moldiness index for US homes
Journal: Journal of Occupational and Environmental Medicine, Volume: 49, Issue: 8, Pages: 829-833
28. Author: Tucker, K.; Stolze, J. L.; Kennedy, A. H.; Money, N. P.
Year: 2007
Title: Biomechanics of conidial dispersal in the toxic mold *Stachybotrys chartarum*
Journal: Fungal Genetics and Biology, Volume: 44, Issue: 7, Pages: 641-647
29. Author: Seo, S. C.; Grinshpun, S. A.; Iossifova, Y.; Schmechel, D.; Rao, C. Y.; Reponen, T.
Year: 2007
Title: A new field-compatible methodology for the collection and analysis of fungal fragments
Journal: Aerosol Science and Technology, Volume: 41, Issue: 8, Pages: 794-803
30. Author: Nieguitsila, A.; Deville, M.; Jamal, T.; Halos, L.; Berthelemy, M.; Chermette, R.; Latouche, S.; Arne, P.; Guillot, J.
Year: 2007
Title: Evaluation of fungal aerosols using Temporal Temperature Gradient Electrophoresis (TTGE) and comparison with culture
Journal: Journal of Microbiological Methods, Volume: 70, Issue: 1, Pages: 86-95
31. Author: Li, Y. J.; Wadso, L.; Larsson, L.; Bjurman, J.
Year: 2006
Title: Correlating two methods of quantifying fungal activity: Heat production by isothermal calorimetry and ergosterol amount by gas chromatography-tandem mass spectrometry
Journal: Thermochemica Acta, Volume: 458, Issue: 1-2, Pages: 77-83
32. Author: Kauserud, H.; Svegarden, I. B.; Saetre, G. P.; Knudsen, H.; Stensrud, O.; Schmidt, O.; Doi, S.; Sugiyama, T.; Hogberg, N.
Year: 2007
Title: Asian origin and rapid global spread of the destructive dry rot fungus *Serpula lacrymans*
Journal: Molecular Ecology, Volume: 16, Issue: 16, Pages: 3350-3360
33. Author: Haas, D.; Habib, J.; Galler, H.; Buzina, W.; Schlacher, R.; Marth, E.; Reinthaler, F. F.
Year: 2007
Title: Assessment of indoor air in Austrian apartments with and without visible mold growth
Journal: Atmospheric Environment, Volume: 41, Issue: 25, Pages: 5192-5201
34. Author: Gomes, C.; Frelhaut, J.; Bahnfleth, W.
Year: 2007
Title: Resuspension of allergen-containing particles under mechanical and aerodynamic disturbances from human walking
Journal: Atmospheric Environment, Volume: 41, Issue: 25, Pages: 5257-5270
35. Author: Fogle, M. R.; Douglas, D. R.; Jumper, C. A.; Straus, D. C.
Year: 2007
Title: Growth and mycotoxin production by *Chaetomium globosum*
Journal: Mycopathologia, Volume: 164, Issue: 1, Pages: 49-56
- ARTICLE DE SYNTHÈSE**
36. Author: Pauli, G.; de Blay, F.; Ott, A.; Verot, A.
Year: 2007
Title: Is it necessary to assess and measure the environmental allergen load?
Journal: Revue Francaise D Allergologie Et D Immunologie Clinique, Volume: 47, Issue: 4, Pages: 333-335

I-5. Pesticides

37. Author: Bradman, A.; Whitaker, D.; Quiros, L.; Castorina, R.; Henn, B. C.; Nishioka, M.; Morgan, J.; Barr, D. B.; Harnly, M.; Brisbin, J. A.; Sheldon, L. S.; McKone, T. E.; Eskenazi, B.

Year: 2007

Title: Pesticides and their metabolites in the homes and urine of farmworker children living in the Salinas Valley, CA

Journal: Journal of Exposure Science and Environmental Epidemiology, Volume: 17, Issue: 4, Pages: 331-349

38. Author: Segal-Rosenheimer, M.; Dubowski, Y.

Year: 2007

Title: Heterogeneous ozonolysis of cypermethrin using real-time monitoring FTIR techniques

Journal: Journal of Physical Chemistry C, Volume: 111, Issue: 31, Pages: 11682-11691

I-6. Métaux lourds

39. Author: Korfmacher, K. S.; Dixon, S.

Year: 2007

Title: Reliability of spot test kits for detecting lead in household dust

Journal: Environmental Research, Volume: 104, Issue: 2, Pages: 241-249

I-7. Fumée de tabac environnementale

40. Author: Schick, S. F.; Glantz, S.

Year: 2007

Title: Concentrations of the carcinogen 4-(methylnitrosamino)1-(3-pyridyl)-1-butanone in sidestream cigarette smoke increase after release into indoor air: Results from unpublished tobacco industry research

Journal: Cancer Epidemiology Biomarkers & Prevention, Volume: 16, Issue: 8, Pages: 1547-1553

41. Author: Chou, S. L.; Ling, Y. C.; Yang, M. H.; Pai, C. Y.

Year: 2007

Title: Determination of Delta(9)-tetrahydrocannabinol in indoor air as an indicator of marijuana cigarette smoking using adsorbent sampling and in-injector thermal desorption gas chromatography-mass spectrometry

Journal: Analytica Chimica Acta, Volume: 598, Issue: 1, Pages: 103-109

ETUDES MULTI-POLLUANTS

42. Auteurs : Séverine Kirchner, Jean-François Arenes, Christian Cochet, Mickael Derbez, Cédric Duboudin, Patrick Elias, Anthony Gregoire, Béatrice Jédor, Jean-Paul Lucas, Nathalie Pasquier, Michèle Pigneret, Olivier Ramalho

Titre : État de la qualité de l'air dans les logements français

Journal : Environnement, Risques & Santé. Volume 6, Numéro 4, 259-69, Juillet-Août 2007

43. Author: Baxter, L. K.; Clougherty, J. E.; Laden, F.; Levy, J. I.

Year: 2007

Title: Predictors of concentrations of nitrogen dioxide, particulate matter, and particle constituents inside of lower socioeconomic status urban homes

Journal: Journal of Exposure Science and Environmental Epidemiology, Volume: 17, Issue: 5, Pages: 433-444

44. Author: Stranger, M.; Potgieter-Vermaak, S. S.; Van Grieken, R.

Year: 2007

Title: Comparative overview of indoor air quality in Antwerp, Belgium

Journal: Environment International, Volume: 33, Issue: 6, Pages: 789-797

II- LIEUX DE VIE

II-1. Logement

45. Author: Batterman, S.; Jia, C. R.; Hatzivasilis, G.

Year: 2007

Title: Migration of volatile organic compounds from attached garages to residences: A major exposure source

Journal: Environmental Research, Volume: 104, Issue: 2, Pages: 224-240

II-2. Transports

46. Author: Weschler, C. J.; Wisthaler, A.; Cowlin, S.; Tamas, G.; Strom-Tejsen, P.; Hodgson, A. T.; Destailhats, H.; Herrington, J.; Zhang, J. J.; Nazaroff, W. W.

Year: 2007

Title: Ozone-initiated chemistry in an occupied simulated aircraft cabin

Journal: Environmental Science & Technology, Volume: 41, Issue: 17, Pages: 6177-6184

47. Author: Hugg, T.; Valtonen, A.; Rantio-Lehtimäki, A.

Year: 2007

Title: Pollen concentrations inside private cars during the Poaceae and Artemisia spp. pollen season - a case study

Journal: Grana, Volume: 46, Issue: 2, Pages: 110-117

48. Author: Chien, Y. C.

Year: 2007

Title: Variations in amounts and potential sources of volatile organic chemicals in new cars

Journal: Science of the Total Environment, Volume: 382, Issue: 2-3, Pages: 228-239

II-3. Autres lieux de vie

- Ecoles / Universités

49. Author: Zuraimi, M. S.; Tham, K. W.; Chew, F. T.; Ooi, P. L.

Year: 2007

Title: The effect of ventilation strategies of child care centers on indoor air quality and respiratory health of children in Singapore

Journal: Indoor Air, Volume: 17, Issue: 4, Pages: 317-327

50. Author: Bahtijari, M.; Stegnar, P.; Shemsidini, Z.; Ajazaj, H.; Halimi, Y.; Vaupotic, J.; Kobal, I.

Year: 2007

Title: Seasonal variation of indoor air radon concentration in schools in Kosovo

Journal: Radiation Measurements, Volume: 42, Issue: 2, Pages: 286-289

51. Author: Stryjakowska-Sekulska, M.; Piotraszewska-Pajak, A.; Szyszka, A.; Nowicki, M.; Filipiak, M.

Year: 2007

Title: Microbiological quality of indoor air in university rooms

Journal: Polish Journal of Environmental Studies, Volume: 16, Issue: 4, Pages: 623-632

52. Author: Peng, C. Y.; Lin, T. S.

Year: 2007

Title: Volatile organic compound exposure of suburban elementary students in Taiwan

Journal: Bulletin of Environmental Contamination and Toxicology, Volume: 78, Issue: 1, Pages: 22-25

- **Bureaux**

53. Author: Tsai, F. C.; Macher, J. M.; Hung, Y. Y.

Year: 2007

Title: Biodiversity and concentrations of airborne fungi in large US office buildings from the BASE study

Journal: Atmospheric Environment, Volume: 41, Issue: 25, Pages: 5181-5191

54. Author: Mui, K. W.; Chan, W. Y.; Wong, L. T.; Hui, P. S.

Year: 2007

Title: Fungi - an indoor air quality assessment parameter for air-conditioned offices

Journal: Building Services Engineering Research & Technology, Volume: 28, Issue: 3, Pages: 265-274

- **Piscines**

55. Author: Brandi, G.; Sisti, M.; Paparini, A.; Gianfranceschi, G.; Schiavano, G. F.; De Santi, M.; Santon, D.; Magini, V.; Romano-Spica, V.

Year: 2007

Title: Swimming pools and fungi: An environmental epidemiology survey in Italian indoor swimming facilities

Journal: International Journal of Environmental Health Research, Volume: 17, Issue: 3, Pages: 197-206

56. Author: Caro, J.; Gallego, M.

Year: 2007

Title: Assessment of exposure of workers and swimmers to trihalomethanes in an indoor swimming pool

Journal: Environmental Science & Technology, Volume: 41, Issue: 13, Pages: 4793-4798

- **Hôpitaux**

57. Author: Ahearn, D. G.; Price, D.; Simmons, R. B.; Mavo, A.; Zhang, S. T.; Crow, S. A.

Year: 2007

Title: Microcycle conidiation and medusa head conidiophores of aspergilli on indoor construction materials and air filters from hospitals

Journal: Mycologia, Volume: 99, Issue: 1, Pages: 1-6

58. Author: Perdelli, F.; Cristina, M. L.; Sartini, M.; Spagnolo, A. M.; Dallera, M.; Ottria, G.; Lombardi, R.; Grimaldi, M.

Year: 2006

Title: Fungal contamination in hospital environments

Journal: Infection Control and Hospital Epidemiology, Volume: 27, Issue: 1, Pages: 44-47

- **Cabinets de dentistes**

59. Author: Helmis, C. G.; Tzoutzas, J.; Flocas, H. A.; Halios, C. H.; Stathopouliou, O. I.; Assimakopoulos, V. D.; Panis, V.; Apostolatou, M.; Sgouros, G.; Adam, E.

Year: 2007

Title: Indoor air quality in a dentistry clinic

Journal: Science of the Total Environment, Volume: 377, Issue: 2-3, Pages: 349-365

II-4. Ventilation et systèmes

60. Author: Geens, A.; Snelson, D.; Al-Madfai, H.; Graham, M.; Djialli, D.; Hillier, D.

Year: 2007

Title: The role of ventilation in maintaining indoor air quality with particular reference to environmental tobacco smoke - A comprehensive review

Journal: International Journal of Innovative Computing Information and Control, Volume: 3, Issue: 3, Pages: 761-787

61. Author: Wang, L. P.; Wong, N. H.; Li, S.

Year: 2007

Title: Facade design optimization for naturally ventilated residential buildings in Singapore

Journal: Energy and Buildings, , Volume: 39, Issue: 8, Pages: 954-961

62. Author: Ghali, K.; Ghaddar, N.; Ayoub, M.
 Year: 2007
 Title: Chilled ceiling and displacement ventilation system for energy savings: A case study
 Journal: International Journal of Energy Research, Volume: 31, Issue: 8, Pages: 743-759

II-5. Modélisation

- **Modélisation des transports et dépôts**

63. Author: Zhang, Z.; Chen, Q.
 Year: 2007
 Title: Comparison of the Eulerian and Lagrangian methods for predicting particle transport in enclosed spaces
 Journal: Atmospheric Environment, Volume: 41, Issue: 25, Pages: 5236-5248

64. Author: Tian, Z. F.; Tu, J. Y.; Yeoh, G. H.; Yuen, R. K. K.
 Year: 2007
 Title: Numerical studies of indoor airflow and particle dispersion by large Eddy simulation
 Journal: Building and Environment, Volume: 42, Issue: 10, Pages: 3483-3492

65. Author: Lai, A. C. K.; Chen, F. Z.
 Year: 2007
 Title: Comparison of a new Eulerian model with a modified Lagrangian approach for particle distribution and deposition indoors
 Journal: Atmospheric Environment, Volume: 41, Issue: 25, Pages: 5249-5256

66. Author: Zhao, B.; Wu, J.
 Year: 2007
 Title: Particle deposition in indoor environments: Analysis of influencing factors
 Journal: Journal of Hazardous Materials, Volume: 147, Issue: 1-2, Pages: 439-448

67. Author: Xie, X.; Li, Y.; Chwang, A. T. Y.; Ho, P. L.; Seto, W. H.
 Year: 2007
 Title: How far droplets can move in indoor environments - revisiting the Wells evaporation-falling curve
 Journal: Indoor Air, Volume: 17, Issue: 3, Pages: 211-225

- **Modélisation des masses d'air**

68. Author: Sun, H.; Zhao, L.; Zhang, Y.
 Year: 2007
 Title: Evaluation of RNG kappa-epsilon and LES non-isothermal models for indoor airflow using PIV measurement data
 Journal: Transactions of the ASABE, Volume: 50, Issue: 2, Pages: 621-631

69. Author: Rohdin, P.; Moshfegh, B.
 Year: 2007
 Title: Numerical predictions of indoor climate in large industrial premises. A comparison between different k-epsilon models supported by field measurements
 Journal: Building and Environment, Volume: 42, Issue: 11, Pages: 3872-3882

70. Author: Mortensen, L. H.; Woloszyn, M.; Rode, C.; Peuhkuri, R.
 Year: 2007
 Title: Investigation of microclimate by CFD modeling of moisture interactions between air and constructions
 Journal: Journal of Building Physics, Volume: 30, Issue: 4, Pages: 279-315

71. Author: Konstantopoulos, D. K.; Maroulis, V. Z.; Karoglou, M.; Moropoulou, A.; Mujumdar, A. S.
 Year: 2007
 Title: HygroScope: A moisture transfer simulator for buildings
 Journal: Drying Technology, Volume: 25, Issue: 4-6, Pages: 1119-1125

- **Modélisation des émissions des matériaux / revêtements**

72. Author: Lee, C. S.; Haghighat, F.; Ghaly, W.

Year: 2006

Title: Conjugate mass transfer modeling for VOC source and sink behavior of porous building materials: When to apply it?

Journal: Journal of Building Physics, Volume: 30, Issue: 2, Pages: 91-111

73. Author: Deng, B. Q.; Kim, C. N.; Zhang, F.

Year: 2007

Title: Numerical simulation of VOCs distribution in a room with a new carpet

Journal: Heat and Mass Transfer, Volume: 43, Issue: 10, Pages: 975-983

- **Contribution de l'air extérieur ou du sol**

74. Author: Halios, C. H.; Helmis, C. G.

Year: 2007

Title: On the estimation of characteristic indoor air quality parameters using analytical and numerical methods

Journal: Science of the Total Environment, Volume: 381, Issue: 1-3, Pages: 222-232

75. Author: Lai, M. K. K.; Chan, A. T. Y.

Year: 2007

Title: Large-eddy simulations on Indoor/Outdoor air quality relationship in an isolated urban building

Journal: Journal of Engineering Mechanics-Asce, Volume: 133, Issue: 8, Pages: 887-898

76. Author: Allen, R.; Wallace, L.; Larson, T.; Sheppard, L.; Liu, L. J. S.

Year: 2007

Title: Evaluation of the recursive model approach for estimating particulate matter infiltration efficiencies using continuous light scattering data

Journal: Journal of Exposure Science and Environmental Epidemiology, Volume: 17, Issue: 5, Pages: 468-477

77. Author: Tillman, F. D.; Weaver, J. W.

Year: 2007

Title: Parameter sets for upper and lower bounds on soil-to-indoor-air contaminant attenuation predicted by the Johnson and Ettinger vapor intrusion model

Journal: Atmospheric Environment, Volume: 41, Issue: 27, Pages: 5797-5806

78. Author: Tillman, F. D.; Weaver, J. W.

Year: 2007

Title: Temporal moisture content variability beneath and external to a building and the potential effects on vapor intrusion risk assessment

Journal: Science of the Total Environment, Volume: 379, Issue: 1, Pages: 1-15

79. Author: Mills, W. B.; Liu, S.; Rigby, M. C.; Brenner, D.

Year: 2007

Title: Time-variable simulation of soil vapor intrusion into a building with a combined crawl space and basement

Journal: Environmental Science & Technology, Volume: 41, Issue: 14, Pages: 4993-5001

II-6. Air extérieur – Air intérieur

80. Author: Barber, J. L.; Berger, U.; Chaemfa, C.; Huber, S.; Jahnke, A.; Temme, C.; Jones, K. C.

Year: 2007

Title: Analysis of per- and polyfluorinated alkyl substances in air samples from Northwest Europe

Journal: Journal of Environmental Monitoring, Volume: 9, Issue: 6, Pages: 530-541

81. Author: Hering, S. V.; Lunden, M. M.; Thatcher, T. L.; Kirchstetter, T. W.; Brown, N. I.
Year: 2007
Title: Using regional data and building leakage to assess indoor concentrations of particles of outdoor origin
Journal: *Aerosol Science and Technology*, Volume: 41, Issue: 7, Pages: 639-654
82. Author: Meklin, T.; Reponen, T.; McKinstry, C.; Cho, S. H.; Gninshpun, S. A.; Nevalainen, A.; Vepsalainen, A.; Haugland, R. A.; LeMasters, G.; Vesper, S. J.
Year: 2007
Title: Comparison of mold concentrations quantified by MSQPCR in indoor and outdoor air sampled simultaneously
Journal: *Science of the Total Environment*, Volume: 382, Issue: 1, Pages: 130-134
83. Author: Hugg, T.; Rantio-Lehtimäki, A.
Year: 2007
Title: Indoor and outdoor pollen concentrations in private and public spaces during the *Betula* pollen season
Journal: *Aerobiologia*, Volume: 23, Issue: 2, Pages: 119-129
84. Author: Hirsikko, A.; Yli-Juuti, T.; Nieminen, T.; Vartiainen, E.; Laakso, L.; Hussein, T.; Kulmala, M.
Year: 2007
Title: Indoor and outdoor air ions and aerosol particles in the urban atmosphere of Helsinki: characteristics, sources and formation
Journal: *Boreal Environment Research*, Volume: 12, Issue: 3, Pages: 295-310
85. Author: Eklund, B. M.; Simon, M. A.
Year: 2007
Title: Concentration of tetrachloroethylene in indoor air at a former dry cleaner facility as a function of subsurface contamination: A case study
Journal: *Journal of the Air & Waste Management Association*, Volume: 57, Issue: 6, Pages: 753-760

III- EFFETS SANITAIRES

III-1. Effets chez l'animal - Toxicologie expérimentale

86. Author: Anderson, S. E.; Wells, J. R.; Fedorowicz, A.; Butterworth, L. F.; Meade, B. J.; Munson, A. E.
Year: 2007
Title: Evaluation of the contact and respiratory sensitization potential of volatile organic compounds generated by simulated indoor air chemistry
Journal: *Toxicological Sciences*, Volume: 97, Issue: 2, Pages: 355-363
87. Author: Shao, L. Y.; Li, J. J.; Zhao, H. Y.; Yang, S. S.; Li, H.; Li, W. J.; Jones, T.; Sexton, K.; BeruBe, K.
Year: 2007
Title: Associations between particle physicochemical characteristics and oxidative capacity: An indoor PM10 study in Beijing, China
Journal: *Atmospheric Environment*, Volume: 41, Issue: 26, Pages: 5316-5326
88. Author: Islam, Z.; Amuzie, C. J.; Harkema, J. R.; Pestka, J. J.
Year: 2007
Title: Neurotoxicity and inflammation in the nasal airways of mice exposed to the macrocyclic trichothecene mycotoxin roridin a: Kinetics and Potentiation by bacterial lipopolysaccharide coexposure
Journal: *Toxicological Sciences*, Volume: 98, Issue: 2, Pages: 526-541
89. Author: Young, S. H.; Ostroff, G. R.; Zeidler-Erdely, P. C.; Roberts, J. R.; Antonini, J. M.; Castranova, V.
Year: 2007
Title: A comparison of the pulmonary inflammatory potential of different components of yeast cell wall
Journal: *Journal of Toxicology and Environmental Health-Part a-Current Issues*, Vol: 70, Issue: 13-14, Pg: 1116-1124
90. Author: Penttinen, P.; Tampio, M.; Maki-Paakkanen, J.; Vahakangas, K.; Pelkonen, J.; Hirvonen, M. R.
Year: 2007
Title: DNA damage and p53 in RAW264.7 cells induced by the spores of co-cultivated *Streptomyces californicus* and *Stachybotrys chartarum*
Journal: *Toxicology*, Volume: 235, Issue: 1-2, Pages: 92-102
91. Author: Riechelmann, H.; Deutsche, T.; Grabow, A.; Heinzow, B.; Butte, W.; Reiter, R.
Year: 2007
Title: Differential response of mono mac 6, BEAS-2B, and Jurkat cells to indoor dust
Journal: *Environmental Health Perspectives*, Volume: 115, Issue: 9, Pages: 1325-1332
92. Author: Mikkola, R.; Andersson, M. A.; Teplova, V.; Grigoriev, P.; Kuehn, T.; Loss, S.; Tsitko, I.; Apetroaie, C.; Saris, N. E. L.; Veijalainen, P.; Salkinoja-Salonen, M. S.
Year: 2007
Title: Amylosin from *Bacillus amyloliquefaciens*, a K⁺ and Na⁺ channel-forming toxic peptide containing a polyene structure
Journal: *Toxicon*, Volume: 49, Issue: 8, Pages: 1158-1171
93. Author: Larsen, S. T.; Hansen, J. S.; Hansen, E. W.; Clausen, P. A.; Nielsen, G. D.
Year: 2007
Title: Airway inflammation and adjuvant effect after repeated airborne exposures to di-(2-ethylhexyl)phthalate and ovalbumin in BALB/c mice
Journal: *Toxicology*, Volume: 235, Issue: 1-2, Pages: 119-129
94. Author: Kimura, Y.; Sumiyoshi, M.; Suzuki, T.; Sakanaka, M.
Year: 2007
Title: Inhibitory effects of water-soluble low-molecular-weight beta-(1,3-1,6) D-glucan purified from *Aureobasidium pullulans* GM-NH-1A1 strain on food allergic reactions in mice
Journal: *International Immunopharmacology*, Volume: 7, Issue: 7, Pages: 963-972

95. Author: Sohn, M. H.; Lee, K. E.; Kim, K. W.; Kim, E. S.; Park, J. Y.; Kim, K. E.
 Year: 2007
 Title: Calcium-calmodulin mediates house dust mite-induced ERK activation and IL-8 production in human respiratory epithelial cells
 Journal: Respiration, Volume: 74, Issue: 4, Pages: 447-453

ARTICLE DE SYNTHÈSE

96. Author: Nielsen, G. D.; Wolkoff, P.; Alarie, Y.
 Year: 2007
 Title: Sensory irritation: Risk assessment approaches
 Journal: Regulatory Toxicology and Pharmacology, Volume: 48, Issue: 1, Pages: 6-18

III-2. Effets chez l'homme

97. Author: Frisk, M.; Magnuson, A.; Kiviloog, J.; Ivarsson, A. B.; Kamwendo, K.
 Year: 2007
 Title: Increased occurrence of respiratory symptoms is associated with indoor climate risk indicators - A cross-sectional study in a Swedish population
 Journal: Respiratory Medicine, Volume: 101, Issue: 9, Pages: 2031-2035

98. Author: Brugge, D.; Welker-Hood, K.; Kosheleva, A.; Saddler, S.
 Year: 2006
 Title: Association and correlation of self-reported home environmental factors and health symptoms
 Journal: Archives of Environmental & Occupational Health, Volume: 61, Issue: 1, Pages: 33-41

99. Author: Osman, L. M.; Douglas, J. G.; Garden, C.; Reglitz, K.; Lyon, J.; Gordon, S.; Ayres, J. G.
 Year: 2007
 Title: Indoor air quality in homes of patients with chronic obstructive pulmonary disease
 Journal: American Journal of Respiratory and Critical Care Medicine, Volume: 176, Issue: 5, Pages: 465-472

EDITORIAL

100. Author: Eisner, M. D.
 Year: 2007
 Title: Indoor air, passive smoking, and COPD
 Journal: American Journal of Respiratory and Critical Care Medicine, Volume: 176, Issue: 5, Pages: 426-427

• Radon

101. Author: Charles, M. W.
 Year: 2007
 Title: Radon exposure of the skin: II. Estimation of the attributable risk for skin cancer incidence
 Journal: Journal of Radiological Protection, Volume: 27, Issue: 3, Pages: 253-274

102. Author: Arif, A. A.; Shah, S. M.
 Year: 2007
 Title: Association between personal exposure to volatile organic compounds and asthma among US adult population
 Journal: International Archives of Occupational and Environmental Health, Volume: 80, Issue: 8, Pages: 711-719

ARTICLE DE SYNTHÈSE

103. Author: Bernard, A.
 Year: 2007
 Title: Chlorination products: Emerging links with allergic diseases
 Journal: Current Medicinal Chemistry, Volume: 14, Issue: 16, Pages: 1771-1782

- **Biocontaminants**

104. Author: Wisnivesky, J. P.; Sampson, H.; Berns, S.; Kattan, M.; Halm, E. A.

Year: 2007

Title: Lack of association between indoor allergen sensitization and asthma morbidity in inner-city adults

Journal: Journal of Allergy and Clinical Immunology, Volume: 120, Issue: 1, Pages: 113-120

105. Author: Fisk, W. J.; Lei-Gomez, Q.; Mendell, M. J.

Year: 2007

Title: Meta-analyses of the associations of respiratory health effects with dampness and mold in homes

Journal: Indoor Air, Volume: 17, Issue: 4, Pages: 284-296

106. Author: Chinn, S.; Heinrich, J.; Anto, J. M.; Janson, C.; Norback, D.; Olivieri, M.; Svanes, C.; Sunyer, J.; Verlatto, G.; Wjst, M.; Zock, J. P.; Burney, P. G.; Jarvis, D. L.

Year: 2007

Title: Bronchial responsiveness in atopic adults increases with EXDOsure to cat allergen

Journal: American Journal of Respiratory and Critical Care Medicine, Volume: 176, Issue: 1, Pages: 20-26

107. Author: Bussmann, C.; Maintz, L.; Hart, J.; Allam, J. P.; Vrtala, S.; Chen, K. W.; Bieber, T.; Thomas, W. R.; Valenta, R.; Zuberbier, T.; Sager, A.; Novak, N.

Year: 2007

Title: Clinical improvement and immunological changes in atopic dermatitis patients undergoing subcutaneous immunotherapy with a house dust mite allergoid: a pilot study

Journal: Clinical and Experimental Allergy, Volume: 37, Issue: 9, Pages: 1277-1285

108. Author: Burr, M. L.; Matthews, I. P.; Arthur, R. A.; Watson, H. L.; Gregory, C. J.; Dunstan, F. D. J.; Palmer, S. R.

Year: 2007

Title: Effects on patients with asthma of eradicating visible indoor mould: a randomised controlled trial

Journal: Thorax, Volume: 62, Issue: 9, Pages: 766-771

ARTICLE DE SYNTHESE

109. Author: Hope, A. P.; Simon, R. A.

Year: 2007

Title: Excess dampness and mold growth in homes: An evidence-based review of the aeroirritant effect and its potential causes

Journal: Allergy and Asthma Proceedings, Volume: 28, Issue: 3, Pages: 262-270

EDITORIAL

110. Author: Woodcock, A.

Year: 2007

Title: Moulds and asthma: time for indoor climate change?

Journal: Thorax, Volume: 62, Issue: 9, Pages: 744-745

- **SBS**

111. Author: Jaakkola, M. S.; Jaakkola, J. J. K.

Year: 2007

Title: Office work exposures and adult-onset asthma

Journal: Environmental Health Perspectives, Volume: 115, Issue: 7, Pages: 1007-1011

112. Author: Bakke, J. V.; Moen, B. E.; Wieslander, G.; Norback, D.

Year: 2007

Title: Gender and the physical and psychosocial work environments are related to indoor air symptoms

Journal: Journal of Occupational and Environmental Medicine, Volume: 49, Issue: 6, Pages: 641-650

113. Author: Tanabe, S.; Nishihara, N.; Haneda, M.

Year: 2007

Title: Indoor temperature, productivity, and fatigue in office tasks

Journal: Hvac&R Research, Volume: 13, Issue: 4, Pages: 623-633

114. Author: Hummelgaard, J.; Juhl, P.; Saebjornsson, K.O.; Clausen, G.; Toftum, J.; Langkilde, G.
 Year: 2007
 Title: Indoor air quality and occupant satisfaction in five mechanically and four naturally ventilated open-plan office buildings
 Journal: Building and Environment, Indoor Air 2005 Conference, Volume: 42, Issue: 12, Pages: 4051-4058

115. Author: Shusterman, D.; Murphy, M. A.
 Year: 2007
 Title: Nasal hyperreactivity in allergic and non-allergic rhinitis: a potential risk factor for non-specific building-related illness
 Journal: Indoor Air, Volume: 17, Issue: 4, Pages: 328-333

116. Author: Graudenz, G. S.; Oliveira, C. H.; Tribess, A.; Landgraf, R. G.; Jancar, S.; Kalil, J.
 Year: 2007
 Title: Sudden temperature changes and respiratory symptoms - An experimental approach
 Journal: American Journal of Rhinology, Volume: 21, Issue: 3, Pages: 383-387

- **Fumée de tabac environnementale**

117. Author: Vineis, P.; Hoek, G.; Krzyzanowski, M.; Vigna-Taglianti, F.; Veglia, F.; Airoidi, L.; Overvad, K.; Raaschou-Nielsen, O.; Clavel-Chapelon, F.; Linseisen, J.; Boeing, H.; Trichopoulou, A.; Palli, D.; Krogh, V.; Tumino, R.; Panico, S.; Bueno-De-Mesquita, H. B.; Peeters, P. H.; Lund, E.; Agudo, A.; Martinez, C.; Dorronsoro, M.; Barricarte, A.; Cirera, L.; Quiros, J. R.; Berglund, G.; Manjer, J.; Forsberg, B.; Day, N. E.; Key, T. J.; Kaaks, R.; Saracci, R.; Riboli, E.
 Year: 2007
 Title: Lung cancers attributable to environmental tobacco smoke and air pollution in non-smokers in different European countries: a prospective study - art. no. 7
 Journal: Environmental Health, Volume: 6, Pages: 7-7, Date: Feb 15

118. Author: Khuder, S. A.; Milz, S.; Jordan, T.; Price, J.; Silvestri, K.; Butler, P.
 Year: 2007
 Title: The impact of a smoking ban on hospital admissions for coronary heart disease
 Journal: Preventive Medicine, Volume: 45, Issue: 1, Pages: 3-8

119. Author: Jiang, X. J.; Yuan, J. M.; Skipper, P. L.; Tannenbaum, S. R.; Yu, M. C.
 Year: 2007
 Title: Environmental tobacco smoke and bladder cancer risk in never smokers of Los Angeles county
 Journal: Cancer Research, Volume: 67, Issue: 15, Pages: 7540-7545

III-3. Populations sensibles

- **Enfants**

120. Author: Bar, R.; Cohen, M.; Bentur, Y.; Shupak, A.; Adir, Y.
 Year: 2007
 Title: Pre-Labor exposure to carbon monoxide: Should the neonate be treated with hyperbaric oxygenation?
 Journal: Clinical Toxicology, Volume: 45, Issue: 5, Pages: 579-581

121. Author: Bernard, A.; Carbonnelle, S.; Dumont, X.; Nickmilder, M.
 Year: 2007
 Title: Infant swimming practice, pulmonary epithelium integrity, and the risk of allergic and respiratory diseases later in childhood
 Journal: Pediatrics, Volume: 119, Issue: 6, Pages: 1095-1103

122. Author: Annesi-Maesano, I.; Moreau, D.; Caillaud, D.; Lavaud, F.; Le Moullec, Y.; Taytard, A.; Pauli, G.; Charpin, D.
Year: 2007
Title: Residential proximity fine particles related to allergic sensitisation and asthma in primary school children
Journal: *Respiratory Medicine*, Volume: 101, Issue: 8, Pages: 1721-1729
123. Author: Anthracopoulos, M. B.; Mantzouranis, E.; Paliatsos, A. G.; Tzavelas, G.; Lagona, E.; Nicolaidou, P.; Priftis, K. N.
Year: 2007
Title: Different effects of sensitization to mites and pollens on asthma symptoms and spirometric indices in children: a population-based cohort study
Journal: *Annals of Allergy Asthma & Immunology*, Volume: 99, Issue: 2, Pages: 122-129
124. Author: Torrent, M.; Sunyer, J.; Garcia, R.; Harris, J.; Iturriaga, M. V.; Puig, C.; Vall, O.; Anto, J. M.; Taylor, A. J. N.; Cullinan, P.
Year: 2007
Title: Early-life allergen exposure and atopy, asthma, and wheeze up to 6 years of age
Journal: *American Journal of Respiratory and Critical Care Medicine*, Volume: 176, Issue: 5, Pages: 446-453
125. Author: Tham, K. W.; Zuraimi, M. S.; Koh, D.; Chew, F. T.; Ooi, P. L.
Year: 2007
Title: Associations between home dampness and presence of molds with asthma and allergic symptoms among young children in the tropics
Journal: *Pediatric Allergy and Immunology*, Volume: 18, Issue: 5, Pages: 418-424
126. Author: Miyake, Y.; Ohya, Y.; Tanaka, K.; Yokoyama, T.; Sasaki, S.; Fukushima, W.; Ohfuji, S.; Saito, K.; Kiyohara, C.; Hirota, Y.
Year: 2007
Title: Home environment and suspected atopic eczema in Japanese infants: The Osaka Maternal and Child Health Study
Journal: *Pediatric Allergy and Immunology*, Volume: 18, Issue: 5, Pages: 425-432
127. Author: Kasznia-Kocot, J.; Lis, D. O.; Kordys-Darmolinska, B.; Grzybowska-Chlebowczyk, U.; Wos, H.; Gorny, R. L.
Year: 2007
Title: Children's allergic diseases and microbial contamination of indoor air - A case report
Journal: *Annals of Agricultural and Environmental Medicine*, Volume: 14, Issue: 1, Pages: 187-190
128. Author: Urayama, K. Y.; Wiencke, J. K.; Buffler, P. A.; Chokkalingam, A. P.; Metayer, C.; Wiemels, J. L.
Year: 2007
Title: MDR1 gene variants, indoor insecticide exposure, and the risk of childhood acute lymphoblastic leukemia
Journal: *Cancer Epidemiology Biomarkers & Prevention*, Volume: 16, Issue: 6, Pages: 1172-1177
129. Author: Ibarroyen-Roteta, N.; Aguinaga-Ontoso, I.; Fernandez-Benitez, M.; Marin-Fernandez, B.; Guillen-Grima, F.; Serrano-Monzo, I.; Hermoso-de-Mendoza, J.; Brun-Sandiumetge, C.; Ferrer-Nadal, A.; Irujo-Andueza, A.
Year: 2007
Title: Role of the home environment in rhinoconjunctivitis and eczema in schoolchildren in Pamplona, Spain
Journal: *Journal of Investigational Allergology and Clinical Immunology*, Volume: 17, Issue: 3, Pages: 137-144
130. Author: Engel, S. M.; Berkowitz, G. S.; Barr, D. B.; Teitelbaum, S. L.; Siskind, J.; Meisel, S. J.; Wetmur, J. G.; Wolff, M. S.
Year: 2007
Title: Prenatal organophosphate metabolite and organochlorine levels and performance on the Brazelton Neonatal Behavioral Assessment Scale in a multiethnic pregnancy cohort
Journal: *American Journal of Epidemiology*, Volume: 165, Issue: 12, Pages: 1397-1404

131. Author: Kovesi, T.; Gilbert, N. L.; Stocco, C.; Fugler, D.; Dales, R. E.; Guay, M.; Miller, J. D.
Year: 2007
Title: Indoor air quality and the risk of lower respiratory tract infections in young Canadian Inuit children
Journal: Canadian Medical Association Journal, Volume: 177, Issue: 2, Pages: 155-160

ARTICLE DE SYNTHÈSE

132. Author: Mendell, M. J.
Year: 2007
Title: Indoor residential chemical emissions as risk factors for respiratory and allergic effects in children: a review
Journal: Indoor Air, Volume: 17, Issue: 4, Pages: 259-277

ARTICLE DE SYNTHÈSE

133. Author: Wu, F.; Takaro, T. K.
Year: 2007
Title: Childhood asthma and environmental interventions
Journal: Environmental Health Perspectives, Volume: 115, Issue: 6, Pages: 971-975

IV- EVALUATION DES RISQUES

IV-1 Expologie

- **Biomarqueurs**

134. Author: Chen, B.; Hu, Y. P.; Jin, T. Y.; Zheng, L. X.; Wang, Q. Y.; Shen, Y.; Zhou, Y. F.

Year: 2007

Title: Higher urinary 1-hydroxypyrene concentration is associated with cooking practice in a Chinese population

Journal: Toxicology Letters, Volume: 171, Issue: 3, Pages: 119-125

- **Exposition à un composé / une famille de composés donné(e)**

135. Author: Allen, J. G.; McClean, M. D.; Stapleton, H. M.; Nelson, J. W.; Webster, T. F.

Year: 2007

Title: Personal exposure to Polybrominated Diphenyl Ethers (PBDEs) in residential indoor air

Journal: Environmental Science & Technology, Volume: 41, Issue: 13, Pages: 4574-4579

136. Author: Zhao, W. X.; Hopke, P. K.; Gelfand, E. W.; Rabinovitch, N.

Year: 2007

Title: Use of an expanded receptor model for personal exposure analysis in schoolchildren with asthma

Journal: Atmospheric Environment, Volume: 41, Issue: 19, Pages: 4084-4096

137. Author: Morgan, M. K.; Sheldon, L. S.; Croghan, C. W.; Jones, P. A.; Chuang, J. C.; Wilson, N. K.

Year: 2007

Title: An observational study of 127 preschool children at their homes and daycare centers in Ohio: Environmental pathways to cis- and trans-permethrin exposure

Journal: Environmental Research, Volume: 104, Issue: 2, Pages: 266-274

138. Author: Liu, W.; Zhang, J. J.; Korn, L. R.; Zhang, L.; Weisel, C. P.; Turpin, B.; Morandi, M.; Stock, T.; Colome, S.

Year: 2007

Title: Predicting personal exposure to airborne carbonyls using residential measurements and time/activity data

Journal: Atmospheric Environment, Volume: 41, Issue: 25, Pages: 5280-5288

- **Expositions globales**

139. Author: Grimaldi, F.; Viala, A.

Year: 2007

Title: Individual exposure to air pollution in urban areas: the example of Marseille

Journal: Bulletin De L Academie Nationale De Medecine, Volume: 191, Issue: 1, Pages: 21-33

140. Author: Fromme, H.; Albrecht, M.; Angerer, J.; Drexler, H.; Gruber, L.; Schlummer, M.; Parlar, H.; Korner, W.; Wanner, A.; Heitmann, D.; Roscher, E.; Bolte, G.

Year: 2007

Title: Integrated Exposure Assessment Survey (INES) Exposure to persistent and bioaccumulative chemicals in Bavaria, Germany

Journal: International Journal of Hygiene and Environmental Health, Volume: 210, Issue: 3-4, Pages: 345-349

IV-2 Evaluation des risques

Pas d'article

GESTION

- **Technique**

141. Author: Yu, K. P.; Lee, G. W. M.

Year: 2007

Title: Decomposition of gas-phase toluene by the combination of ozone and photocatalytic oxidation process (TiO₂/UV, TiO₂/UV/O-3, and UV/O-3)

Journal: Applied Catalysis B-Environmental, Volume: 75, Issue: 1-2, Pages: 29-38

142. Author: Yang, L. P.; Liu, Z. Y.; Shi, H. W.; Hu, H.; Shangguan, W. F.

Year: 2007

Title: Design consideration of photocatalytic oxidation reactors using TiO₂-coated foam nickels for degrading indoor gaseous formaldehyde

Journal: Catalysis Today, Volume: 126, Issue: 3-4, Pages: 359-368

143. Author: Hodgson, A. I.; Destailats, H.; Sullivan, D. P.; Fisk, W. J.

Year: 2007

Title: Performance of ultraviolet photocatalytic oxidation for indoor air cleaning applications

Journal: Indoor Air, Volume: 17, Issue: 4, Pages: 305-316

144. Author: Van Durme, J.; Dewulf, J.; Sysmans, W.; Leys, C.; Van Langenhove, H.

Year: 2007

Title: Efficient toluene abatement in indoor air by a plasma catalytic hybrid system

Journal: Applied Catalysis B-Environmental, Volume: 74, Issue: 1-2, Pages: 161-169

145. Author: Ji, J. H.; Bae, G. N.; Yun, S. H.; Jung, J. H.; Noh, H. S.; Kim, S. S.

Year: 2007

Title: Evaluation of a silver nanoparticle generator using a small ceramic heater for inactivation of *S. epidermidis* bioaerosols

Journal: Aerosol Science and Technology, Volume: 41, Issue: 8, Pages: 786-793

146. Author: Jain, S.; Bansal, P. K.

Year: 2007

Title: Performance analysis of liquid desiccant dehumidification systems

Journal: International Journal of Refrigeration-Revue Internationale Du Froid, Volume: 30, Issue: 5, Pg: 861-872

147. Author: Van Durme, J.; Dewulf, J.; Sysmans, W.; Leys, C.; Van Langenhove, H.

Year: 2007

Title: Abatement and degradation pathways of toluene in indoor air by positive corona discharge

Journal: Chemosphere, Volume: 68, Issue: 10, Pages: 1821-1829

148. Author: Peng, J. X.; Wang, S. D.

Year: 2007

Title: Correlation between microstructure and performance of Pt/TiO₂ catalysts for formaldehyde catalytic oxidation at ambient temperature: Effects of hydrogen pretreatment

Journal: Journal of Physical Chemistry C, Volume: 111, Issue: 27, Pages: 9897-9904

149. Author: Dong, Y. C.; Bai, Z. P.; Liu, R. H.; Zhu, T.

Year: 2007

Title: Preparation of fibrous TiO₂ photocatalyst and its optimization towards the decomposition of indoor ammonia under illumination

Journal: Catalysis Today, Volume: 126, Issue: 3-4, Pages: 320-327

150. Author: Beko, G.; Clausen, G.; Weschler, C. J.

Year: 2007

Title: Further studies of oxidation processes on filter surfaces: Evidence for oxidation products and the influence of time in service

Journal: Atmospheric Environment, Volume: 41, Issue: 25, Pages: 5202-5212

151. Author: Zmazek, B.; Vaupotic, J.

Year: 2007

Title: Coping with radon problem in a private house

Journal: Building and Environment, Volume: 42, Issue: 10, Pages: 3685-3690

152. Author: Svennberg, K.; Lengsfeld, K.; Harderup, L. E.; Holm, A.

Year: 2007

Title: Previous experimental studies and field measurements on moisture buffering by indoor surface materials

Journal: Journal of Building Physics, Volume: 30, Issue: 3, Pages: 261-274

153. Author: Peters, J. L.; Levy, J. I.; Muilenberg, M. L.; Coull, B. A.; Spengler, J. D.

Year: 2007

Title: Efficacy of integrated pest management in reducing cockroach allergen concentrations in urban public housing

Journal: Journal of Asthma, Volume: 44, Issue: 6, Pages: 455-460

ARTICLE DE SYNTHÈSE

154. Author: Wang, S. B.; Ang, H. M.; Tade, M. O.

Year: 2007

Title: Volatile organic compounds in indoor environment and photocatalytic oxidation: State of the art

Journal: Environment International, Volume: 33, Issue: 5, Pages: 694-705

ARTICLE DE SYNTHÈSE

155. Author: Daniels, S. L.

Year: 2007

Title: On the qualities of the air as affected by radiant energies (photocatalytic ionization processes for remediation of indoor environments)

Journal: Journal of Environmental Engineering and Science, Volume: 6, Issue: 3, Pages: 329-342

- **Réglementaire**

ARTICLES DE SYNTHÈSE – mini-monographie EHP

156. Author: Loftness, V.; Hakkinen, B.; Adan, O.; Nevalainen, A.

Year: 2007

Title: Elements that contribute to healthy building design

Journal: Environmental Health Perspectives, Volume: 115, Issue: 6, Pages: 965-970

157. Author: Adan, O. C. G.; Ng-A-Tham, J.; Hanke, W.; Sigsgaard, T.; van den Hazel, P.; Wu, F.

Year: 2007

Title: In search of a common European approach to a healthy indoor environment

Journal: Environmental Health Perspectives, Volume: 115, Issue: 6, Pages: 983-988

158. Author: Wu, F.; Jacobs, D.; Mitchell, C.; Miller, D.; Karol, M. H.

Year: 2007

Title: Improving indoor environmental quality for public health: Impediments and policy recommendations

Journal: Environmental Health Perspectives, Volume: 115, Issue: 6, Pages: 953-957

159. Author: Mitchell, C. S.; Zhang, J. F. J.; Sigsgaard, T.; Jantunen, M.; Liroy, P. J.; Samson, R.; Karol, M. H.

Year: 2007

Title: Current state of the science: Health effects and indoor environmental quality

Journal: Environmental Health Perspectives, Volume: 115, Issue: 6, Pages: 958-964

160. Author: Jacobs, D. E.; Kelly, T.; Sobolewski, J.

Year: 2007

Title: Linking public health, housing, and indoor environmental policy: Successes and challenges at local and federal agencies in the United States

Journal: Environmental Health Perspectives, Volume: 115, Issue: 6, Pages: 976-982

161.Author: Wu, F.; Biksey, T.; Karol, M. H.

Year: 2007

Title: Can mold contamination of homes be regulated? Lessons learned from radon and lead policies

Journal: Environmental Science & Technology, Volume: 41, Issue: 14, Pages: 4861-4867

162.Author: Alpert, H. R.; Carpenter, C. M.; Travers, M. J.; Connolly, G. N.

Year: 2007

Title: Environmental and economic evaluation of the Massachusetts Smoke-Free Workplace Law

Journal: Journal of Community Health, Volume: 32, Issue: 4, Pages: 269-281

163.Author: Wilson, N.; Edwards, R.; Maher, A.; Nathe, J.; Jalali, R.

Year: 2007

Title: National smokefree law in New Zealand improves air quality inside bars, pubs and restaurants - art. no. 85

Journal: BMC Public Health, Volume: 7, Pages: 85-85, Date: May 18

EDITORIAL

164.Author: Dinno, A.; Glantz, S.

Year: 2007

Title: Clean indoor air laws immediately reduce heart attacks

Journal: Preventive Medicine, Volume: 45, Issue: 1, Pages: 9-11

DIVERS**ARTICLE DE SYNTHESE**

165. Author: Mannino, D. M.; Buist, A. S.

Year: 2007

Title: Global burden of COPD: risk factors, prevalence, and future trends

Journal: Lancet, Volume: 370, Issue: 9589, Pages: 765-773

166. Author: Lin, S.; Jones, R.; Reibman, J.; Bowers, J.; Fitzgerald, E. F.; Hwang, S. A.

Year: 2007

Title: Reported respiratory symptoms and adverse home conditions after 9/11 among residents living near the World Trade Center

Journal: Journal of Asthma, Volume: 44, Issue: 4, Pages: 325-332

167. Author: Borrelli, F. E.

Year: 2007

Title: Vinyl meeting today's and tomorrow's indoor air quality requirements

Journal: Journal of Vinyl & Additive Technology, Volume: 13, Issue: 3, Pages: 138-142

168. Author: Chan, W. R.; Nazaroff, W. W.; Price, P. N.; Gadgil, A. J.

Year: 2007

Title: Effectiveness of urban shelter-in-place-I: Idealized conditions

Journal: Atmospheric Environment, Volume: 41, Issue: 23, Pages: 4962-4976

- **Aspects économiques**

169. Author: Mudarri, D.; Fisk, W. J.

Year: 2007

Title: Public health and economic impact of dampness and mold

Journal: Indoor Air, Volume: 17, Issue: 3, Pages: 226-235

- **Pays en voie de développement**

170. Author: Bruce, N.; Weber, M.; Arana, B.; Diaz, A.; Jenny, A.; Thompson, L.; McCracken, J.; Dherani, M.; Juarez, D.; Ordonez, S.; Klein, R.; Smith, K. R.

Year: 2007

Title: Pneumonia case-finding in the RESPIRE Guatemala indoor air pollution trial: standardizing methods for resource-poor settings

Journal: Bulletin of the World Health Organization, Volume: 85, Issue: 7, Pages: 535-544

171. Author: Chen, J. G.; Chen, Y. G.; Zhou, Y. S.; Lin, G. F.; Li, X. J.; Jia, C. G.; Guo, W. C.; Du, H.; Lu, H. C.; Meng, H.; Zhang, X. J.; Golka, K.; Shen, J. H.

Year: 2007

Title: A follow-up study of mortality among the arseniasis patients exposed to indoor combustion of high arsenic coal in Southwest Guizhou Autonomous Prefecture, China

Journal: International Archives of Occupational and Environmental Health, Volume: 81, Issue: 1, Pages: 9-17

172. Author: Zhang, J. J.; Smith, K. R.

Year: 2007

Title: Household air pollution from coal and biomass fuels in China: Measurements, health impacts, and interventions

Journal: Environmental Health Perspectives, Volume: 115, Issue: 6, Pages: 848-855

173. Author: Stillman, F.; Navas-Acien, A.; Ma, J. M.; Ma, S. J.; Avila-Tang, E.; Breyse, P.; Yang, G. H.; Samet, J.

Year: 2007

Title: Second-hand tobacco smoke in public places in urban and rural China

Journal: Tobacco Control, Volume: 16, Issue: 4, Pages: 229-234

174. Author: Mestl, H. E. S.; Aunan, K.; Seip, H. M.
Year: 2007
Title: Health benefits from reducing indoor air pollution from household solid fuel use in China - Three abatement scenarios
Journal: *Environment International*, Volume: 33, Issue: 6, Pages: 831-840
175. Author: Lee, K. M.; Shen, M.; Chapman, R. S.; Yeager, M.; Welch, R.; He, X. Z.; Zheng, T. Z.; Hosgood, H. D.; Yang, D. Y.; Berndt, S. I.; Chanock, S.; Lan, Q.
Year: 2007
Title: Polymorphisms in immunoregulatory genes, smoky coal exposure and lung cancer risk in Xuan Wei, China
Journal: *Carcinogenesis*, Volume: 28, Issue: 7, Pages: 1437-1441
176. Author: Lin, G. F.; Du, H.; Chen, J. G.; Lu, H. C.; Kai, J. X.; Zhou, Y. S.; Guo, W. C.; Zhang, X. J.; Lu, D. R.; Golka, K.; Shen, J. H.
Year: 2007
Title: Glutathione S-transferases M1 and T1 polymorphisms and arsenic content in hair and urine in two ethnic clans exposed to indoor combustion of high arsenic coal in Southwest Guizhou, China
Journal: *Archives of Toxicology*, Volume: 81, Issue: 8, Pages: 545-551
177. Author: McCracken, J. P.; Smith, K. R.; Diaz, A.; Mittleman, M. A.; Schwartz, J.
Year: 2007
Title: Chimney stove intervention to reduce long-term wood smoke exposure lowers blood pressure among Guatemalan women
Journal: *Environmental Health Perspectives*, Volume: 115, Issue: 7, Pages: 996-1001
178. Author: Simplicio, E. C.; Silva, D. A. O.; Braga, I. A.; Sopelete, M. C.; Sung, S. J.; Taketomi, E. A.
Year: 2007
Title: Mite and pet allergen exposure in hotels in Uberlandia, Midwestern Brazil
Journal: *Indoor Air*, Volume: 17, Issue: 4, Pages: 278-283
179. Author: Khalequzzaman, M.; Kamijima, M.; Sakai, K.; Chowdhury, N. A.; Hamaiima, N.; Nakajima, T.
Year: 2007
Title: Indoor air pollution and its impact on children under five years old in Bangladesh
Journal: *Indoor Air*, Volume: 17, Issue: 4, Pages: 297-304