



Recherche Santé Environnement Intérieur

Veille scientifique sur le thème *Santé Environnement intérieur*

2002 – 1^{er} trimestre

75 articles ont été répertoriés pendant la période du 11 décembre 2001 au 2 avril 2002.

Les articles sont classés selon les chapitres suivants :

I- SUBSTANCES

- I-1. Gaz inorganiques (radon, O₃, NO_x, CO)
- I-2. COV et CO-Semi-Volatils
- I-3. Particules
- 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
- 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 GENERAUX SUR LA THEMATIQUE

Chaque article, à l'exception des articles de synthèse qui sont compilés en fin de document, n'apparaissent 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. **TI** : Weather system scale variation in radon-222 concentration of indoor air
AU : Rowe J.E., Kelly M., Price L.E.
SO : The Science of the Total Environment, Volume: 284, Issue: 1-3, Pages: 157-166

- **NO_x, O₃**

2. **TI** : Nitrous acid, nitrogen dioxide, and ozone concentrations in residential environments
AU : Lee, K;Xue, XP;Geyh, AS;Ozkaynak, H;Leaderer, BP;Weschler, CJ;Spengler, JD
SO : ENVIRONMENTAL HEALTH PERSPECTIVES, 110 (2): 145-149 FEB 2002

I-2. COV, CO-Semi-Volatils

3. **TI** : Detection of volatile organic peroxides in indoor air
AU : Hong-JG; Maguhn-J; Freitag-D; Kettrup-A
SO : FRESINIUS-JOURNAL-OF-ANALYTICAL-CHEMISTRY. DEC 2001; 371 (7) : 961-965
 4. **TI** : Characterization of gaseous mixtures of organic compounds with dual-secondary column comprehensive two-dimensional gas chromatography (GC x 2GC)
AU : Seeley, JV;Kramp, FJ;Sharpe, KS;Seeley, SK
SO : JOURNAL OF SEPARATION SCIENCE, 25 (1-2): 53-59 JAN 2002
 5. **TI** : Chemical analysis and sensory evaluation of indoor air by a thermal desorption/GC/FID/sniffer method
AU : Schleibinger, H;Fitzner, K;Ruden, H;Schreiber, FW
SO : GEFAHRSTOFFE REINHALTUNG DER LUFT, 61 (11-12): 528-531 NOV-DEC 2001
 6. **TI** : Simultaneous liquid chromatographic determination of 39 polycyclic aromatic hydrocarbons in indoor and outdoor air and application to a survey on indoor air pollution in Fuji, Japan
AU : Ohura, T; Sugiyama, T; Amagai, T; Fusaya, M; Matsushita, H
SO : JOURNAL OF AOAC INTERNATIONAL, 85 (1): 188-202 JAN-FEB 2002
 7. **TI** : Sampling methods and residential factors affecting formaldehyde concentration in indoor air
AU : Endo, Y; Miyazaki, T; Hikita, Y; Azuma, M; Ikeda, H; Fukunaga, K; Endo, G
SO : TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE, 195 (4): 227-236 DEC 2001
 8. **TI** : Emissions from heated indoor dust
AU : Pedersen E.K., Bjørseth O., Syversen T., Mathiesen M.
SO : Environment International, Volume: 27, Issue: 7, Pages: 579-587
 9. **TI** : Human biomonitoring of polychlorinated biphenyls and polychlorinated dibenzodioxins and dibenzofuranes in teachers working in a PCB-contaminated school
AU : Schwenk M., Gabrio T., Pöpke O., Wallenhorst T.
SO : Chemosphere, Volume: 47, Issue: 2, Pages: 229-233
- **Produits de traitement du bois**
10. **TI** : Health evaluation of volatile organic compound (VOC) emissions from wood and wood-based materials
AU : Jensen-LK; Larsen-A; Molhave-L; Hansen-MK; Knudsen-B
SO : ARCHIVES-OF-ENVIRONMENTAL-HEALTH. SEP-OCT 2001; 56 (5) : 419-432

I-3. Particules

11. **TI** : A comparison of two direct-reading aerosol monitors with the federal reference method for PM2.5 in indoor air
AU : Yanosky J.D., Williams P.L., MacIntosh D.L.
SO : Atmospheric Environment, Volume: 36, Issue: 1, Pages: 107-113
12. **TI** : Residential indoor PM10 and PM2.5 in Hong Kong and the elemental composition
AU : Chao C.Y., Wong K.K.
SO : Atmospheric Environment, Volume: 36, Issue: 2, Pages: 265-277

I-4. Biocontaminants

13. **TI** : Detection of microbial volatile organic compounds (MVOCs) produced by moulds on various materials
AU : Fiedler-K; Schutz-E; Geh-S
SO : INTERNATIONAL-JOURNAL-OF-HYGIENE-AND-ENVIRONMENTAL-HEALTH. NOV 2001; 204 (2-3) : 111-121.
14. **TI** : Microbiological indoor air quality in healthy buildings
AU : Sessa, R; Di Pietro, M; Schiavoni, G; Santino, I; Altieri, A; Pinelli, S; Del Piano, M
SO : MICROBIOLOGICA, 25 (1): 51-56 JAN 2002
15. **TI** : Microbial growth inside insulated external walls as an indoor air biocontamination source
AU : Pessi, AM; Suonketo, J; Pentti, M; Kurkilahti, M; Peltola, K; Rantio-Lehtimäki, A
SO : APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 68 (2): 963-967 FEB 2002
16. **TI** : Indoor biological contaminants and symptoms of sick building syndrome in office buildings in Mauritius
AU : Bholah, R; Subratty, AH
SO : INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, 12 (1): 93-98 MAR
17. **TI** : Analysis of a stable halogenated derivative of muramic acid by gas chromatography-negative ion chemical ionization tandem mass spectrometry
AU : Kozar, MP; Fox, A
SO : JOURNAL OF CHROMATOGRAPHY A, 946 (1-2): 229-238 FEB 8 2002
18. **TI** : Methods and effectiveness of indoor environmental control.
AU : Eggleston PA.
SO : Ann Allergy Asthma Immunol 2001 Dec;87(6 Suppl 3):44-47
19. **TI** : Predictors of high house dust mite allergen concentrations in residential homes in Sydney
AU : Mührshahi, S; Marks, G; Vanlaar, C; Tovey, E; Peat, J
SO : ALLERGY, 57 (2): 137-142 FEB 2002
20. **TI** : Wipe test for the detection of indoor allergens
AU : Polzius, R; Wuske, T; Mahn, J
SO : ALLERGY, 57 (2): 143-145 FEB 2002
21. **TI** : Evaluation of Petri dish sampling for assessment of cat allergen in airborne dust
AU : Karlsson, AS; Hedren, M; Almqvist, C; Larsson, K; Renstrom, A
SO : ALLERGY, 57 (2): 164-168 FEB 2002
22. **TI** : Airborne dust and allergen generation during dusting with and without spray polish
AU : Jerrim K.L., Whitmore L.F., Hughes J.F., McKechnie M.T.
SO : Journal of Allergy and Clinical Immunology, Volume: 109, Issue: 1, Pages: 63-67

23. **TI** : Development and evaluation of a new personal sampler for culturable airborne microorganisms
AU : Agranovski I.E., Agranovski V., Reponen T., Willeke K., Grinshpun S.A.
SO : Atmospheric Environment, Volume: 36, Issue: 5, Pages: 889-898

24. **TI** : Comparison of vacuuming procedures for reservoir dust mite allergen on carpeted floors
AU : Mitakakis T.Z., Mahmic A., Tovey E.R.
SO : Journal of Allergy and Clinical Immunology, Volume: 109, Issue: 1, Pages: 122-124

ARTICLE DE SYNTHÈSE

25. **TI** : Stachybotrys: relevance to human disease.
AU : Terr AI.
SO : Ann Allergy Asthma Immunol 2001 Dec;87(6 Suppl 3):57-63

I-5. Pesticides

26. **TI** : Distribution of 2,4-D in air and on surfaces inside residences after lawn applications: Comparing exposure estimates from various media for young children
AU : Nishioka-MG; Lewis-RG; Brinkman-MC; Burkholder-HM; Hines-CE; Menkedick-JR
SO : ENVIRONMENTAL-HEALTH-PERSPECTIVES. NOV 2001; 109 (11) : 1185-1191

27. **TI** : Transferable residues from dog fur and plasma cholinesterase inhibition in dogs treated with a flea control dip containing chlorpyrifos
AU : Boone-JS; Tyler-JW; Chambers-JE
SO : ENVIRONMENTAL-HEALTH-PERSPECTIVES. NOV 2001; 109 (11) : 1109-1114

28. **TI** : Analysis of aggregate exposure to chlorpyrifos in the NHEXAS-Maryland investigation
AU : Pang, YH; MacIntosh, DL; Camann, DE; Ryan, B
SO : ENVIRONMENTAL HEALTH PERSPECTIVES, 110 (3): 235-240 MAR 2002

I-6. Métaux

Aucun article

I-7. Fumée de tabac environnementale

29. **TI** : Acute sensory responses of nonsmokers at very low environmental tobacco smoke concentrations in controlled laboratory settings
AU : Junker-MH; Danuser-B; Monn-C; Koller-T
SO : ENVIRONMENTAL-HEALTH-PERSPECTIVES. OCT 2001; 109 (10) : 1045-1052

30. **TI** : Environmental Tobacco Smoke in the Nonsmoking Section of a Restaurant: A Case Study
AU : Jenkins R.A., Finn D., Tomkins B.A., Maskarinec M.P.
SO : Regulatory Toxicology and Pharmacology, Vol. 34, No. 3, Dec 2001, pp. 213-220

31. **TI** : Determination of aromatic tracer compounds for environmental tobacco smoke aerosol by two step laser mass spectrometry
AU : Morrical B.D., Zenobi R.
SO : Atmospheric Environment, Volume: 36, Issue: 5, Pages: 801-811



II- LIEUX DE VIE

II-1. Habitat privé

- Installations de combustion

32. **TI** : Wood-burning appliances and indoor air quality

AU : Lévesque B., Allaire S., Gauvin D., Koutrakis P., Gingras S., Rhainds M., Prud'Homme H., Duchesne J.-F.

SO : The Science of The Total Environment

33. **TI** : Indoor pollutant levels from the use of unvented natural gas fireplaces in Boulder, Colorado

AU : Dutton-SJ; Hannigan-MP; Miller-SL

SO : JOURNAL-OF-THE-AIR-AND-WASTE-MANAGEMENT-ASSOCIATION. DEC 2001; 51 (12)

34. **TI** : Emission of Polycyclic Aromatic Hydrocarbons, Toxicity, and Mutagenicity from Domestic Cooking Using Sawdust Briquettes, Wood, and Kerosene

AU : Oanh N.T.K., Nghiem L.H., Phyu Y.L.

SO : Environmental Science and Technology, Volume: 36, Issue: 5, Pages: 833-839

- Etudes de cas de diverses habitations

35. **TI** : Increased incidence of cancer and asthma in houses built on a former dump area

AU : Pukkala-E; Ponka-A

SO : ENVIRONMENTAL-HEALTH-PERSPECTIVES. NOV 2001; 109 (11) : 1121-1125

36. **TI** : Investigation of indoor air quality at residential homes in Hong Kong - case study

AU : Lee S.C., Li W-M., Ao C-H.

SO : Atmospheric Environment, Volume: 36, Issue: 2, Pages: 225-237

II-2. Transports

37. **TI** : Suspended particulate matter in railway coaches

AU : Leutwyler M., Siegmann K., Monn C.

SO : Atmospheric Environment, Volume: 36, Issue: 1, Pages: 1-7

38. **TI** : In-Vehicle Exposure to Aldehydes While Commuting on Real Commuter Routes in a Korean Urban Area

AU : Jo W.-K., Jee J.-W.

SO : Environmental Research, Volume: 88, Issue: 1, Pages: 44-51

II-3. Autres lieux de vie

- ECOLES

39. **TI** : Levels of persistent organic pollutants in several child day care centers

AU : Wilson-NK; Chuang-JC; Lyu-C

SO : JOURNAL-OF-EXPOSURE-ANALYSIS-AND-ENVIRONMENTAL-EPIDEMIOLOGY. NOV-DEC 2001; 11 (6) : 449-458

40. **TI** : Possible sources of Sick Building Syndrome in a Tennessee Middle School

AU : Scheel-CM; Rosing-WC; Farone-AL

SO : ARCHIVES-OF-ENVIRONMENTAL-HEALTH. SEP-OCT 2001; 56 (5) : 413-417

- **HOPITAUX**

41. **TI** : Distribution analysis of airborne nicotine concentrations in hospitality facilities

AU : Schorp M.K., Leyden D.E.

SO : Environment International, Volume: 27, Issue: 7, Pages: 567-578

II-4. Ventilation

42. **TI** : The effect of opening windows on air change rates in two homes

AU : Howard-Reed, C;Wallace, LA;Ott, WR

SO : JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION, 52 (2): 147-159 FEB 2002

43. **TI** : An experimental method for contaminant dispersal characterization in large industrial buildings for indoor air quality (IAQ) applications

AU : Demokritou P., Yang C., Chen Q., Spengler J.D.

SO : Building and Environment, Volume: 37, Issue: 3, Pages: 305-312

44. **TI** : CFD analysis on characteristics of contaminated indoor air ventilation and its application in the evaluation of the effects of contaminant inhalation by a human occupant

AU : Hayashi T., Ishizu Y., Kato S., Murakami S.

SO : Building and Environment, Volume: 37, Issue: 3, Pages: 219-230

II-5. Modélisation

45. **TI** : A transfer function model to describe odor causing VOCs transport in a ventilated airspace with mixing/adsorption heterogeneity

AU : Liao C.M., Chen J.W., Chen J.S., Liang H.M.

SO : Applied Mathematical Modelling, 25(12), P ages 1071-1087

46. **TI** : Modeling-gas phase reactions in indoor environments using computational fluid dynamics

AU : Sørensen D.N., Weschler C.J.

SO : Atmospheric Environment, Volume: 36, Issue: 1, Pages: 9-18

47. **TI** : Predicting the Emission Rate of Volatile Organic Compounds from Vinyl Flooring

AU : Cox S.S., Little J.C., Hodgson A.T.

SO : Environmental Science and Technology, Volume: 36, Issue: 4, Pages: 709-714

II-6. Air extérieur – Air intérieur

48. **TI** : Real-time indoor and outdoor measurements of black carbon in an occupied house: An examination of sources

AU : LaRosa, LB; Buckley, TJ; Wallace, LA

SO : JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION, 52 (1): 41-49 JAN 2002

49. **TI** : Indoor-outdoor relationships of particulate matter and nitrogen oxides under different outdoor meteorological conditions

AU : Andy T. Chan

SO : Atmospheric Environment, 36(9), Pages 1543-1551

50. **TI** : Comparison of Black Smoke and PM_{2.5} Levels in Indoor and Outdoor Environments of Four European Cities

AU : Götschi T., Oglesby L., Mathys P., Monn C., Manalis N., Koistinen K., Jantunen M., Hänninen O., Polanska L., Künzli N.

SO : Env. Sc ; and Technology, 36(6), 1191-1197

51. **TI** : Indoor Particulate Matter of Outdoor Origin: Importance of Size-Dependent Removal Mechanisms

AU : Riley W.J., McKone T.E., Lai A.C. K., Nazaroff W.W.

SO : Environmental Science and Technology, Volume: 36, Issue: 2, Pages: 200-207



III- EFFETS SANITAIRES

III-1. Effets chez l'animal

52. **TI** : A pilot investigation of the relative toxicity of indoor and outdoor fine particles: In vitro effects of endotoxin and other particulate properties
AU : Long-CM; Suh-HH; Kobzik-L; Catalano-PJ; Ning-YY; Koutrakis-P
SO : ENVIRONMENTAL-HEALTH-PERSPECTIVES. OCT 2001; 109 (10) : 1019-1026

III-2. Effets chez l'homme

- **RADON**

53. **TI** : Residential radon and lung cancer among never-smokers in Sweden
AU : Lagarde F., Axelsson G., Damber L., Mellander H., Nyberg F., Pershagen G.
SO : Epidemiology 12(4) ; 2001

- **COV**

54. **TI** : Eye irritation and cognition disorders in a hospital with aldehydes and glycol ethers as indoor contaminants
AU : Plieninger, P;Hofer, T
SO : GEFAHRSTOFFE REINHALTUNG DER LUFT, 61 (11-12): 521-527 NOV-DEC 2001
55. **TI** : Enhanced in vivo IgE production and T cell polarization toward the type 2 phenotype in association with indoor exposure to VOC: results of the LARS study
AU : Lehmann, I; Rehwagen, M; Diez, U; Seiffart, A; Rolle-Kampczyk, U; Richter, M; Wetzig, H; Borte, M; Herbarth, O
SO : INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH, 204 (4): 211-221 DEC 2001

- **BIOCONTAMINANTS**

56. **TI** : Changes in pro-inflammatory cytokines in association with exposure to moisture-damaged building microbes
AU : Purokivi, MK; Hirvonen, MR; Randell, JT; Roponen, MH; Meklin, TM; Nevalainen, AI; Human, TM;Tukiainen, HO
SO : EUROPEAN RESPIRATORY JOURNAL, 18 (6): 951-958 DEC 2001
57. **TI** : Increased incidence of allergic sensitisation and respiratory diseases due to mould exposure: Results of the Leipzig Allergy Risk children Study (LARS)
AU : Muller, A;Lehmann, I;Seiffart, A;Diez, U;Wetzig, H;Borte, M;Herbarth, O
SO : INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH, 204 (5-6): 363-365

ARTICLE DE SYNTHÈSE

58. **TI** : Indoor air quality, fungi, and health - How do we stand?
AU : King, N; Auger, P
SO : CANADIAN FAMILY PHYSICIAN, 48: 298-302 FEB 2002

- **SBS**

59. **TI** : Occupant perception of indoor air and comfort in four hospitality environments
AU : Moschandreas, DJ; Chu, P
SO : AIHAJ, 63 (1): 47-54 JAN-FEB 2002

60. **TI** : Air quality and well-being perception in subjects attending university libraries in Modena (Italy)
AU : Righi E., Aggazzotti G., Fantuzzi G., Ciccarese V., Predieri G.
SO : The Science of the Total Environment, Volume: 286, Issue: 1-3, Pages: 41-50

ARTICLE DE SYNTHÈSE

61. **TI**: Indoor pollution and its impact on respiratory health
AU: Bardana-EJ
SO: ANNALS-OF-ALLERGY-ASTHMA-AND-IMMUNOLOGY. DEC 2001; 87 (6) Suppl. 3 : 33-40

III-3. Populations sensibles

• **Enfants**

62. **TI**: Iron deficiency associated with higher blood lead in children living in contaminated environments
AU: Bradman-A; Eskenazi-B; Sutton-P; Athanasoulis-M; Goldman-LR
SO: ENVIRONMENTAL-HEALTH-PERSPECTIVES. OCT 2001; 109 (10) : 1079-1084

63. **TI**: Domestic nitrogen oxide exposure, urinary nitrate, and asthma prevalence in preschool children
AU: Ciuk-J; Volkmer-RE; Edwards-JW
SO: ARCHIVES-OF-ENVIRONMENTAL-HEALTH. SEP-OCT 2001; 56 (5) : 433-438

64. **TI** : Prevalence of immunoglobulin E for fungi in atopic children
AU : Nolles G., Hoekstra M.O., Schouten J.P., Gerritsen J., Kauffman H.F.
SO : Clinical and Experimental Allergy, 31(10)

65. **TI** : Immunoglobulin G antibodies to moulds in school-children from moisture problem schools
AU : Taskinen, TM;Laitinen, S;Nevalainen, A;Vepsäläinen, A;Meklin, T;Reiman, M;Korppi, M;Husman, T
SO : ALLERGY, 57 (1): 9-16 JAN 2002



IV- EVALUATION DES RISQUES

IV-1 Expologie

- INDICATEURS BIOLOGIQUES

66. **TI** : Partition coefficients for the trihalomethanes among blood, urine, water, milk and air
AU : Batterman S., Zhang L., Wang S., Franzblau A.
SO : The Science of the Total Environment, Volume: 284, Issue: 1-3, Pages: 237-247

- BUDGETS ESPACE – TEMPS

67. **TI** : Quantitative analysis of children's microactivity patterns: The Minnesota Children's Pesticide Exposure Study
AU: Freeman-NCG; Jimenez-M; Reed-KJ; Gurunathan-S; Edwards-RD; Roy-A; Adgate-JL; Pellizzari-ED; Quackenboss-J; Sexton-K; Liroy-PJ
SO: JOURNAL-OF-EXPOSURE-ANALYSIS-AND-ENVIRONMENTAL-EPIDEMIOLOGY. NOV-DEC 2001; 11 (6) : 501-509

- ETUDES D'EXPOLOGIE

68. **TI** : Factors affecting individual exposure to NO₂ in Genoa (northern Italy)
AU : Gallelli G., Orlando P., Perdelli F., Panatto D.
SO : The Science of the Total Environment, Volume: 287, Issue: 1-2, Pages: 31-36

69. **TI** : Personal carbon monoxide exposure in five European cities and its determinants
AU : : Georgoulis L.B., Hänninen O., Samoli E., Katsouyanni K., Künzli N., Polanska L., Bruinen de Bruin Y., Alm S., Jantunen M.
SO : : Atmospheric Environment, Volume: 36, Issue: 6, Pages: 963-974

70. **TI** : Personal exposures and microenvironmental concentrations of particles and bioaerosols
AU : Toivola, M; Alm, S; Reponen, T; Kolari, S; Nevalainen, A
SO : JOURNAL OF ENVIRONMENTAL MONITORING, 4 (1): 166-174 FEB 2002

71. **TI**: Estimating the total exposure to air pollutants for different population age groups in Hong Kong
AU: Chau C.K., Tu E.Y., Chan D.W.T., Burnett J.
SO : Environment International, Volume: 27, Issue: 8, Pages: 617-630

72. **TI**: Particulate matter and manganese exposures in Indianapolis, Indiana
AU: Pellizzari-ED; Clayton-CA; Rodes-CE; Mason-RE; Piper-LL; Fort-B; Pfeifer-G; Lynam-D
SO: Journal-of-Exposure-Analysis-and-Environmental-Epidemiology. NOV-DEC 2001; 11 (6) : 423-440

73. **TI**: A population exposure model for particulate matter: case study results for PM_{2.5} in Philadelphia, PA
AU: Burke-JM; Zufall-MJ; Ozkaynak-H
SO: JOURNAL-OF-EXPOSURE-ANALYSIS-AND-ENVIRONMENTAL-EPIDEMIOLOGY. NOV-DEC 2001; 11 (6) : 470-489

ARTICLE DE SYNTHÈSE

74. **TI**: Human exposure to volatile organic pollutants: Implications for indoor air studies
AU: Wallace-LA
SO: ANNUAL-REVIEW-OF-ENERGY-AND-THE-ENVIRONMENT. 2001; 26 : 269-301

VI- ARTICLES GENERAUX SUR LA THEMATIQUE

75. **TI** : A study on the comprehensive indicator of indoor environment assessment for occupants' health in Taiwan

AU : Chiang C.-M., Lai C.-M.

SO : Building and Environment, Volume: 37, Issue: 4, Pages: 387-392

----- **FIN VEILLE SCIENTIFIQUE 1^{er} trimestre 2002** -----

BILAN DES ARTICLES DE SYNTHÈSE (4)

TI: Human exposure to volatile organic pollutants: Implications for indoor air studies

AU: Wallace-LA

SO: ANNUAL-REVIEW-OF-ENERGY-AND-THE-ENVIRONMENT. 2001; 26 : 269-301

TI: Stachybotrys: relevance to human disease.

AU: Terr AI.

SO: Ann Allergy Asthma Immunol 2001 Dec;87(6 Suppl 3):57-63

TI: Indoor air quality, fungi, and health - How do we stand?

AU: King, N; Auger, P

SO: CANADIAN FAMILY PHYSICIAN, 48: 298-302 FEB 2002

TI: Indoor pollution and its impact on respiratory health

AU: Bardana-EJ

SO: ANNALS-OF-ALLERGY-ASTHMA-AND-IMMUNOLOGY. DEC 2001; 87 (6) Suppl. 3 : 33-40