



Recherche Santé Environnement Intérieur

Veille scientifique sur le thème *Santé Environnement intérieur*

2002 – 2^{ème} trimestre

72 articles ont été répertoriés pendant la période du 2 avril au 10 juin 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** : Comparative studies of health hazard from radon (Rn-222) in two selected lithologic formations in the Suwalki region (in Poland)

AU : Karpinska, M; Wolkowicz, S; Mnich, Z; Zalewski, M; Mamont-Ciesla, K; Kapala, J

SO : JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, 61 (2): 149-158 2002

I-2. COV, CO-Semi-Volatils

2. **TI** : A passive tube-type sampler for the determination of formaldehyde vapours in museum enclosures

AU : Gibson, LT; Brokerhof, AW

SO : STUDIES IN CONSERVATION, 46 (4): 289-303 2001

3. **TI** : Development of a NO₂ scrubber for accurate sampling of ambient levels of terpenes

AU : Pommer, L; Fick, J; Andersson, B; Nilsson, C

SO : ATMOSPHERIC ENVIRONMENT, 36 (9): 1443-1452 MAR 2002

4. **TI** : Evaluation of indoor exposition to benzene, toluene, ethylbenzene, xylene, and styrene by passive sampling with a solid-phase microextraction device

AU : Parreira, FV; de Carvalho, CR; Cardeal, ZD

SO : JOURNAL OF CHROMATOGRAPHIC SCIENCE, 40 (3): 122-126 MAR 2002

5. **TI** : Synthesis and evaluation of molecularly imprinted polymers for extracting hydrolysis products of organophosphate flame retardants

AU : Möller, K; Nilsson, U; Crescenzi, C

SO : Journal of Chromatography. A , Volume 938, Issue 1-2 , December 14, 2001 , Pages 121-130

6. **TI** : Characterization and Reduction of Formaldehyde Emissions from a Low-VOC Latex Paint

AU : JOHN C. S. CHANG, ZHISHI GUO, ROY FORTMANN and HUEI-CHEN LAO

SO : Indoor Air 12(1) ; 2002, 10 – 16

7. **TI** : Ozone Interactions with Carpet: Secondary Emissions of Aldehydes

AU : Glenn C. Morrison and William W. Nazaroff

SO : Environ. Sci. Technol., 36 (10), 2185 -2192, 2002

ARTICLE DE SYNTHÈSE

8. **TI** : Volatile Organic Pollutants in New and Established Buildings in Melbourne, Australia

AU : S. K. BROWN

SO : Indoor Air 12(1) ; 2002, 55 –63

I-3. Particules

9. **TI** : Gas/Particle Partitioning and Size Distribution of Primary and Secondary Carbonaceous Aerosols in Public Buildings

AU : ILIAS G. KAVOURAS and EURIPIDES G. STEPHANOU

SO : Indoor Air 12(1) ; 2002, 17 – 32

10. **TI** : The Field Comparison of Three Measuring Techniques for Evaluation of the Surface Dust Level in Ventilation Ducts
AU : RAUNO HOLOPAINEN, VESA ASIKAINEN, PERTTI PASANEN and OLLI SEPPÄNEN
SO : Indoor Air 12(1) ; 2002, 47 – 54
11. **TI** : Effects of room furnishings and air speed on particle deposition rates indoors
AU : Tracy L. Thatcher, Alvin C. K., Laia Rosa Moreno-Jackson, Richard G. Sextro and William W. Nazaroff
SO : Atmospheric Environment Volume 36, Issue 11 April 2002 Pages 1811-1819
12. **TI** : Photometrically measured continuous personal PM_{2.5} exposure: Levels and correlation to a gravimetric method
AU : Lanki, T; Alm, S; Ruuskanen, J; Janssen, NAH; Jantunen, M; Pekkanen, J
SO : JOURNAL OF EXPOSURE ANALYSIS AND ENVIRONMENTAL EPIDEMIOLOGY, 12 (3): 172-178 MAY 2002

I-4. Biocontaminants

13. **TI** : Direct on air sampling filter quantification of cat allergen
AU : Holmquist, L; Vesterberg, O
SO : JOURNAL OF BIOCHEMICAL AND BIOPHYSICAL METHODS, 51 (1): 17-25 MAR 4 2002
14. **TI** : Profiles of airborne fungi in buildings and outdoor environments in the United States
AU : Shelton, BG; Kirkland, KH; Flanders, WD; Morris, GK
SO : APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 68 (4): 1743-1753 APR 2002
15. **TI** : Fungi in indoor air - Determination of mesophilic and thermo-tolerant fungi in indoor air using occupational standards on bioaerosols
AU : Engelhart, S; Exner, M
SO : GEFAHRSTOFFE REINHALTUNG DER LUFT, 62 (3): 79-82 MAR 2002
16. **TI** : Dust mite, cockroach, cat, and dog allergen concentrations in homes of asthmatic children in the northeastern United States: Impact of socioeconomic factors and population density
AU : Leaderer, BP; Belanger, K; Triche, E; Holford, T; Gold, DR; Kim, Y; Jankun, T; Ren, P; McSharry, JE; Plattsmills, TAE; Chapman, MD; Bracken, MB
SO : ENVIRONMENTAL HEALTH PERSPECTIVES, 110 (4): 419-425 APR 2002
17. **TI** : Determination of unique microbial volatile organic compounds produced by five aspergillus species commonly found in problem buildings
AU : Gao, PF; Korley, F; Martin, J; Chen, BT
SO : AIHAJ, 63 (2): 135-140 MAR-APR 2002
18. **TI** : Volatile Metabolites Produced by Three Strains of *Stachybotrys chartarum* Cultivated on Rice and Gypsum Board
AU : Pengfei Gao; Jennifer Martin
SO : Applied Occupational and Environmental Hygiene, Volume: 17 Number: 6 Page: p430 -- p436
19. **TI** : Predictors of High Endotoxin Concentrations in the Settled Dust of German Homes
AU : W. BISCHOF, A. KOCH, U. GEHRING, B. FAHLBUSCH, H. E. WICHMANN, J. HEINRICH FOR THE INGA STUDY GROUP
SO : Indoor Air 12(1) ; 2002, 2 – 9
20. **TI** : Characterization of *Stachybotrys* from water-damaged buildings based on morphology, growth, and metabolite production
AU : Birgitte Andersen, Kristian F. Nielsen, Bruce B. Jarvis
SO : Mycologia 94(3) ; 2002, 392 – 403
21. **TI** : Distribution variations of multi allergens at asthmatic children's homes
AU : Hsiu-Ling Chen, Huey-Jen Jenny Su, and Li-Lin Lin
SO : The Science of The Total Environment Volume 289, Issues 1-3 22 April 2002 Pages 249-254

22. **TI** : Dustborne fungi in large office buildings
AU : Chao, HJ; Milton, DK; Schwartz, J; Burge, HA
SO : MYCOPATHOLOGIA, 154 (2): 93-106 2002
23. **TI** : First national survey of lead and allergens in housing: Survey design and methods for the allergen and endotoxin components
AU : Vojta, PJ; Friedman, W; Marker, DA; Clickner, R; Rogers, JW; Viet, SM; Muilenberg, ML; Thorne, PS; Arbes, SJ; Zeldin, DC
SO : ENVIRONMENTAL HEALTH PERSPECTIVES, 110 (5): 527-532 MAY 2002

ARTICLE DE SYNTHÈSE

24. **TI** : Controlling indoor allergens
AU : Custovic, A; Murray, CS; Gore, RB; Woodcock, A
SO : ANNALS OF ALLERGY ASTHMA & IMMUNOLOGY, 88 (5): 432-441 MAY 2002

I-5. Pesticides

25. **TI** : Pyrethroid exposure following indoor treatments with a dog flea powder
AU : Schulze, M; Helber, B; Hardt, J; Ehret, W
SO : DEUTSCHE MEDIZINISCHE WOCHENSCHRIFT, 127 (12): 616-618 MAR 22 2002
26. **TI** : Chlorocresol (4-chloro-3-methylphenol) in house dust - results of a representative monitoring
AU : Schmidt, A; Hoffmann, W; Hostrup, O; Walker, G; Butte, W
SO : GEFAHRSTOFFE REINHALTUNG DER LUFT, 62 (3): 95-98 MAR 2002
27. **TI** : Indoor exposure to permethrin in homes with woollen textile floor coverings
AU : Berger-Preiss, E; Levsen, K; Ranft, U
SO : GEFAHRSTOFFE REINHALTUNG DER LUFT, 62 (3): 99-101 MAR 2002

I-6. Métaux

28. **TI** : Anthropogenic vanadium-chromium-iron and cerium-lanthanum-iron particles in settled urban house dust: CCSEM identification and analysis
AU : Powell, JWD; Hunt, A; Abraham, JL
SO : WATER AIR AND SOIL POLLUTION, 135 (1-4): 207-217 MAR 2002
29. **TI** : A Comparison of Household Lead Exposure Assessment Methods in an Old, Urban Community
AU : Lisa Gallicchio, Mary Sexton, Michelle L. Werner
SO : Environmental Research 89(1) May 2002 pp. 50-57

I-7. Fumée de tabac environnementale

30. **TI** : Trace Analysis of Nicotine in Indoor Air by a SPME Method
AU : Y. Huali, G. Songting, F. Jianfang, H. Shuokui
SO : Bull. Environ. Contam. Toxicol. 68 (4) :485-489 (2002)
31. **TI** : Real-time measurement of indoor particulate matter originating from environmental tobacco smoke: a pilot study
AU : Invernizzi G, Ruprecht A, Mazza R, Majno E, Rossetti E, Paredi P, Boffi R.
SO : Epidemiol Prev 2002 Jan-Feb;26(1):30-4



II- LIEUX DE VIE

II-1. Habitat privé

- Etat du bâti

32. **TI** : Deteriorated housing contributes to high cockroach allergen levels in inner-city households
AU : Rauh, VA; Chew, GL; Garfinkel, RS
SO : ENVIRONMENTAL HEALTH PERSPECTIVES, 110: 323-327 Suppl. 2 APR 2002

II-2. Transports

Aucun article

II-3. Autres lieux de vie

- PISCINES

33. **TI** : Distribution and determinants of trihalomethane concentrations in indoor swimming pools
AU : Chu H., Nieuwenhuijsen M.J.
SO : Occup Environ Med 2002; 59(4): 243-247

34. **TI** : Indoor swimming pools, water chlorination and respiratory health
AU : Nemery, B; Hoet, PHM; Nowak, D
SO : EUROPEAN RESPIRATORY JOURNAL, 19 (5): 790-793 MAY 2002

35. **TI** : Occupational asthma caused by chloramines in indoor swimming-pool air
AU : Thickett, KM; McCoach, JS; Gerber, JM; Sadhra, S; Burge, PS
SO : EUROPEAN RESPIRATORY JOURNAL, 19 (5): 827-832 MAY 2002

- ECOLES

36. **TI** : Allergic sensitization owing to second-hand cat exposure in schools
AU : B. R. Ritz, B. Hoelscher, C. Frye, I. Meyer, J. Heinrich
SO : Allergy, Volume 57 Issue 4 Page 357 - April 2002

- PATINOIRES

ARTICLE DE SYNTHÈSE

37. **TI** : Exposure to carbon monoxide and nitrogen dioxide in enclosed ice arenas
AU : T W Pelham, L E Holt, and M A Moss
SO : Occup Environ Med 2002; 59: 224-233

II-4. Ventilation

38. **TI** : Ventilation of enclosed train compartments in Hong Kong
AU : Chow, WK
SO : APPLIED ENERGY, 71 (3): 161-170 MAR 2002

39. **TI** : A tracer method for evaluating recirculation of pollutant releases in buildings
AU : Rydock, JP; Hermansen, O
SO : AIHAJ, 63 (2): 234-238 MAR-APR 2002

II-5. Modélisation

40. **TI** : A procedure for verification, validation, and reporting of indoor environment CFD analyses
AU : Chen, QY; Srebric, J
SO : HVAC&R RESEARCH, 8 (2): 201-216 APR 2002

41. **TI** : The rate of ozone uptake on carpet: mathematical modeling
AU : Glenn C. Morrison, and William W. Nazaroff
SO : Atmospheric Environment Volume 36, Issue 11 April 2002 Pages 1749-1756

II-6. Air extérieur – Air intérieur

42. **TI** : Particulate Matter and Particle-Attached Polycyclic Aromatic Hydrocarbons in the Indoor and Outdoor Air of Tokyo Measured with Personal Monitors
AU : Ryoji Sakai, Hans C. Siegmann, Hajime Sato, A. Scott Voorhees
SO : Environmental Research 89(1) May 2002 pp. 66-71

43. **TI** : Particulate matter and polycyclic aromatic hydrocarbon concentrations in indoor and outdoor microenvironments in Boston, Massachusetts
AU : Levy, JI; Dumyahn, T; Spengler, JD
SO : JOURNAL OF EXPOSURE ANALYSIS AND ENVIRONMENTAL EPIDEMIOLOGY, 12 (2): 104-114 MAR 2002

44. **TI** : Dispersion of Particles from Vehicle Emissions Around High- and Low-Rise Buildings
AU : J. HITCHINS, L. MORAWSKA, D. GILBERT and M. JAMRISKA
SO : Indoor Air 12(1) ; 2002, 64 – 71

45. **TI** : Comparison of indoor and outdoor concentrations of CO at a public school. Evaluation of an indoor air quality model
AU : A. Chaloulakou and I. Mavroidis
SO : Atmospheric Environment Volume 36, Issue 11 April 2002 Pages 1769-1781



III- EFFETS SANITAIRES

III-1. Effets chez l'animal

46. **TI** : Effects of aerosols from nontoxic *Stachybotrys chartarum* on murine airways

AU : Korpi, A; Kasanen, JP; Raunio, P; Kosma, VM; Virtanen, T; Pasanen, AL

SO : INHALATION TOXICOLOGY, 14 (5): 521-540 MAY 2002

47. **TI** : Aliphatic chlorinated hydrocarbons alter the contractile responses of tracheal smooth muscle in piglet.

AU : Chan MH, Chen HH, Lin YR.

SO : J Toxicol Environ Health A 2002 Feb;65(3-4):293-304

III-2. Effets chez l'homme

- **RADON**

48. **TI** : Residential radon and lung cancer risk in a high-exposure area of Gansu Province, China

AU : Wang, ZY; Lubin, JH; Wang, LD; Zhang, SZ; Boice, JD; Cui, HX; Zhang, SR; Conrath, S; Xia, Y; Shang, B; Brenner, A; Lei, SW; Metayer, C; Cao, JS; Chen, KW; Lei, SJ; Kleinerman, RA

SO : AMERICAN JOURNAL OF EPIDEMIOLOGY, 155 (6): 554-564 MAR 15 2002

49. **TI** : Residential radon exposure and lung cancer: Variation in risk estimates using alternative exposure scenarios

AU : Field, RW; Smith, BJ; Steck, DJ; Lynch, CF

SO : JOURNAL OF EXPOSURE ANALYSIS AND ENVIRON. EPIDEMIOLOGY, 12 (3): 197-203 MAY 2002

- **PARTICULES**

50. **TI** : Indoor particles and symptoms among office workers: Results from a double-blind cross-over study

AU : Mendell, MJ; Fisk, WJ; Petersen, MR; Hines, CJ; Dong, M; Faulkner, D; Deddens, JA; Ruder, AM; Sullivan, D; Boeniger, MF

SO : EPIDEMIOLOGY, 13 (3): 296-304 MAY 2002

- **BIOCONTAMINANTS**

51. **TI** : Mouldy houses influence symptoms of asthma among atopic individuals

AU : Dharmage, S; Bailey, M; Raven, J; Abeyawickrama, K; Cao, D; Guest, D; Rolland, J; Forbes, A; Thien, F; Abramson, M; Walters, EH

SO : CLINICAL AND EXPERIMENTAL ALLERGY, 32 (5): 714-720 MAY 2002

52. **TI** : Interleukin-8 secretion from monocytic cell lines for evaluation of the inflammatory potential of organic dust

AU : Allermann, L; Poulsen, OM

SO : ENVIRONMENTAL RESEARCH, 88 (3): 188-198 MAR 2002

53. **TI** : Indoor dampness and molds and development of adult-onset asthma: A population-based incident case-control study

AU : Jaakkola, MS; Nordman, H; Piipari, R; Uitti, J; Laitinen, J; Karjalainen, A; Hahtola, P; Jaakkola, JJK

SO : ENVIRONMENTAL HEALTH PERSPECTIVES, 110 (5): 543-547 MAY 2002

- **SICK BUILDING SYNDROME**

54. **TI** : Multiple chemical sensitivity (MCS) and others: Allergological, environmental and psychological investigations in individuals with indoor air related complaints

AU : Eberlein-Konig, B; Przybilla, B; Kuhl, P; Golling, G; Gebefugi, I; Ring, J

SO : INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRON. HEALTH, 205 (3): 213-220, APR 2002

III-3. Populations sensibles

- **ENFANTS**

55. **TI** : Indoor Risk Factors for Asthma in a Prospective Study of Adolescents

AU : Rob McConnell; Kiros Berhane; Frank Gilliland; Talat Islam; W. James Gauderman; Stephanie J. London; Edward Avoll; Edward B. Rappaport; Helene G. Margolis; John M. Peters

SO : EPIDEMIOLOGY 2002;13:288-295

56. **TI** : Respiratory diseases and genotoxicity in tobacco smoke exposed children

AU : Baier, G; Stopper, H; Kopp, C; Winkler, U; Zwirner-Baier, I

SO : LARYNGO-RHINO-OTOLOGIE, 81 (3): 217-225 MAR 2002

57. **TI** : Comparison of positive allergy skin tests among asthmatic children from rural and urban areas living within small geographic area

AU : Bibi, H; Shoseyov, D; Feigenbaum, D; Nir, P; Shiachi, R; Scharff, S; Peled, R

SO : ANNALS OF ALLERGY ASTHMA & IMMUNOLOGY, 88 (4): 416-420 APR 2002

58. **TI** : The Seattle-King County Healthy Homes Project: Implementation of a comprehensive approach to improving indoor environmental quality for low-income children with asthma

AU : Krieger, J; Takaro, TK; Allen, C; Song, L; Weaver, M; Chai, S; Dickey, P

SO : ENVIRONMENTAL HEALTH PERSPECTIVES, 110: 311-322 Suppl. 2 APR 2002

ARTICLE DE SYNTHÈSE

59. **TI** : Childhood asthma and indoor allergens: the classroom may be a culprit

AU : Epstien, B L

SO : The Journal of School Nursing: the Official Publication of the National Association of School Nurses, Volume 17, Issue 5, October 2001, Pages 253-257

ARTICLE DE SYNTHÈSE

60. **TI** : Critical evaluation of prognostic factors in childhood asthma

AU : Van Bever, HP; Desager, KN; Hagendorens, M

SO : PEDIATRIC ALLERGY AND IMMUNOLOGY, 13 (2): 77-83 APR 2002

- **ASTHMATIQUES**

61. **TI** : The role of indoor allergen sensitization and exposure in causing morbidity in women with asthma

AU : Lewis, SA; Weiss, ST; Platts-Mills, TAE; Burge, H; Gold, DR

SO : AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE, 165 (7): 961-966, APR 1 2002



IV- EVALUATION DES RISQUES

IV-1 Expologie

- ETUDES D'EXPOLOGIE

62. **TI** : Inhalation exposure to volatile chemicals in drinking water

AU : Kim, E; Little, JC; Chiu, N; Chiu, A

SO : JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART C-ENVIRONMENTAL CARCINOGENESIS & ECOTOXICOLOGY REVIEWS, 19 (2): 387-413 2001

63. **TI** : National Human Exposure Assessment Survey: Analysis of exposure pathways and routes for arsenic and lead in EPA region 5

AU : Clayton, CA; Pellizzari, ED; Quackenboss, JJ

SO : JOURNAL OF EXPOSURE ANALYSIS AND ENVIRONMENTAL EPIDEMIOLOGY, 12 (1): 29-43, JAN-FEB 2002

64. **TI** : Assessment of personal and community-level exposures to particulate matter among children with asthma in Detroit, Michigan, as part of Community Action Against Asthma (CAAA)

AU : Keeler, GJ; Dvonch, JT; Yip, FY; Parker, EA; Israel, BA; Marsik, FJ; Morishita, M; Barres, JA; Robins, TG; Brakefield-Caldwell, W; Sam, M

SO : ENVIRONMENTAL HEALTH PERSPECTIVES, 110: 173-181 Suppl. 2 APR 2002

65. **TI** : Community-based exposure estimate for hydrogen sulfide

AU : Inserra, S; Phifer, B; Pierson, R; Campagna, D

SO : JOURNAL OF EXPOSURE ANALYSIS AND ENVIRONMENTAL EPIDEMIOLOGY, 12 (2): 124-129, MAR 2002

IV-2 Evaluation des risques

66. **TI** : Cancer risk associated with household exposure to chloroform

AU : Levesque B; Ayotte P; Tardif R; Ferron L; Gingras, S; Schlouch E; Gingras G; Levallois P; Dewailly E

SO : JOURNAL OF TOXICOLOGY AND ENVIRONMENTAL HEALTH-PART A, 65 (7): 489-502 APR 12
increase the incidence of hepatic tumors in laboratory animals. Data indicate that for this range of exposure the safety margin appears therefore considerable with respect to the potential carcinogenic effect of household exposure to CHCl₃.

67. **TI** : Safety assessment for hair-spray resins: risk assessment based on rodent inhalation studies

AU : Philip Carthew; Heather Griffiths; Stephen Keech; Peter Hartop

SO : Inhalation Toxicology Volume: 14 Page: p401 -- p416

V- GESTION

68. **TI** : Performance of Au/TiO₂ catalyst under ambient conditions

AU : M. Daté, Y. Ichihashi, T. Yamashita, A. Chiorino, F. Boccuzzi and M. Haruta

SO : Catalysis Today, Volume 72, Issues 1-2, Pages 89-94

69. **TI** : Why we need effective air filtration

AU : Gustavsson, J

SO : FILTRATION & SEPARATION, 39 (3): 14-17 APR 2002

VI- ARTICLES GENERAUX SUR LA THEMATIQUE

70. **TI** : Clean indoor air: Advances in California, 1990-1999

AU : Gilpin, EA; Farkas, AJ; Emery, SL; Ake, CF; Pierce, JP

SO : AMERICAN JOURNAL OF PUBLIC HEALTH, 92 (5): 785-791 MAY 2002

71. **TI** : How IEQ affects health, productivity

AU : Fisk, WJ

SO : ASHRAE JOURNAL, 44 (5): 56-+ MAY 2002

72. **TI** : Psychosocial Dimensions of Solving an Indoor Air Problem

AU : MARJAANA LAHTINEN, PEKKA HUUHTANEN, ERKKI KÄHKÖNEN and KARI REIJULA

SO : Indoor Air 12(1) ; 2002, 33 – 46

----- **FIN VEILLE SCIENTIFIQUE 2^{ème} trimestre 2002** -----

BILAN DES ARTICLES DE SYNTHESE (5)

TI : Volatile Organic Pollutants in New and Established Buildings in Melbourne, Australia

AU : S. K. BROWN

SO : Indoor Air 12(1) ; 2002, 55 –63

TI : Controlling indoor allergens

AU : Custovic, A; Murray, CS; Gore, RB; Woodcock, A

SO : ANNALS OF ALLERGY ASTHMA & IMMUNOLOGY, 88 (5): 432-441 MAY 2002

TI : Exposure to carbon monoxide and nitrogen dioxide in enclosed ice arenas

AU : T W Pelham, L E Holt, and M A Moss

SO : Occup Environ Med 2002; 59: 224-233

TI : Childhood asthma and indoor allergens: the classroom may be a culprit

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TI : Critical evaluation of prognostic factors in childhood asthma

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SO : PEDIATRIC ALLERGY AND IMMUNOLOGY, 13 (2): 77-83 APR 2002