

## LIST OF PUBLICATIONS

### INTERNATIONAL PEER REVIEWED PUBLICATIONS (IT)

1. Staessen JA, **Nawrot T**, Den Hond E, Thijs L, Fagard R, Hoppenbrouwers K, Koppen G, Nelen V, Schoeters G, Vanderschueren D, Van Hecke E, Verschaeve L, Vlietinck R, Roels HA and the environmental health study group. Renal function, cytogenetic measurements, and sexual development in adolescents in relation to environmental pollutants: a feasibility study of biomarkers. *The Lancet* 2001;357:1660-1669. [IF: 30.1]
2. **Nawrot TS**, Thijs L, Den Hond EM, Roels HA, Staessen JA. An epidemiological reappraisal of the association between blood pressure and blood lead: a meta-analysis. *Journal of Human Hypertension* 2002;16:123-131. [IF: 1.4]
3. **Nawrot TS**, Staessen JA, Den Hond EM, Koppen G, Schoeters G, Fagard RH, Thijs L, Winneke G, Roels HA. Host and environmental determinants of polychlorinated aromatic hydrocarbons in serum of adolescents. *Environmental Health Perspectives* 2002;110:583-589. [IF: 3.9]
4. Van Den Heuvel RL, Koppen G, Staessen JA, Hond ED, Verheyen G, **Nawrot TS**, Roels HA, Vlietinck R, Schoeters GE. Immunologic biomarkers in relation to exposure markers of PCBs and dioxins in Flemish adolescents (Belgium). *Environmental Health Perspectives* 2002;110:595-600. [IF: 3.9]
5. Den Hond E, **Nawrot T**, Staessen JA. The relationship between blood pressure and blood lead in NHANES III. *Journal of Human Hypertension* 2002;16:563-568. [IF: 1.4]
6. Den Hond E, Roels HA, Hoppenbrouwers K, **Nawrot T**, Thijs L, Vandermeulen, Winneke G, Vanderschueren D, Staessen JA. Sexual maturation in relation to polychlorinated aromatic hydrocarbons: Sharpe and Skakkebaek's hypothesis revisited. *Environmental Health Perspectives* 2002;110:771-776. [IF: 3.9]
7. Tikhonoff V, Casiglia E, **Nawrot T**, Staessen JA. Should high-normal blood pressure be treated? *Journal of Hypertension* 2002;20:1028-1029. [Letter]
8. Watkin RD, **Nawrot T**, Potss RJ, Hart BA. Mechanisms regulating the cadmium-mediated suppression of Sp1 transcription factor activity in alveolar epithelial cells. *Toxicology* 2003;3:157-178. [IF: 2,9]
9. Den Hond E, **Nawrot T**, Staessen JA. Hypertension and low-level lead exposure: a scientific issue or a matter of faith? *Hypertension* 2003 Sep;42:e9; Epub. [Letter to the editor]

10. Wang JG, Staessen JA, Messaggio E, **Nawrot T**, Fagard R, Hamlyn JM, Bianchi G, Manunta P. Salt, endogenous ouabain and blood pressure interactions in the general population. *Journal of Hypertension* 2003;21:1475-1481. [IF: 3.6]
11. **Nawrot T**, Den Hond E, Thijs L, Staessen JA. Isolated systolic hypertension and the risk of vascular disease. *Current Hypertension reports* 2003;5:372-379. [review; IF: 1.4]
12. Thijs L, Fagard R, Forette F, **Nawrot T**, Staessen JA. Are low dehydroepiandrosterone sulphate levels predictive for cardiovascular diseases? A review of prospective and retrospective studies. *Acta Cardiologica* 2003;58:403-10. [IF: 0.4]
13. **Nawrot TS**, Hond ED, Fagard RH, Hoppenbrouwers K, Staessen JA. Blood pressure, serum total cholesterol and contraceptive pill use in 17-year-old girls. *Journal of Cardiovascular Risk* 2003;10:438-4342. [IF: 2.0]
14. **Nawrot TS**, Staessen JA, Thijs L, Fagard RH, Tikhonoff V, Wang J, Franklin SS. Should pulse pressure become part of the Framingham risk score? *Journal of Human Hypertension* 2004;18:279-286. [IF: 1.4]
15. **Nawrot TS**, Hoppenbrouwers K, Den Hond E, Fagard RH, Staessen JA. Hypertension, hypercholesterolemia and smoking status in Belgian adolescents. *European Journal of Public Health*. 2004;14:361-365. [IF: 1.3]
16. Wojciechowska W, Staessen JA, Stolarz K, **Nawrot T**, Filipovsky J, Ticha M, Bianchi G, Brand E, Cwynar M, Grodzicki T, Kuznetsova T, Struijker-Boudier HA, Svobodova V, Thijs L, Van Bortel LM, Kawecka-Jaszcz K; European Project on Genes in Hypertension (EPOGH) Investigators. Association of peripheral and central arterial wave reflections with the CYP11B2 -344C allele and sodium excretion. *Journal of Hypertension* 2004;22:2311-9. [IF: 3.6]
17. **Nawrot TS**, Staessen JA, Gardner JP, Aviv A. Telomere length and possible link to X chromosome. *Lancet* 2004;363:507-510. [IF: 30.1] (as fast track)
18. Lurbe E, Torro I, Alvarez V, **Nawrot T**, Paya R, Redon J, Staessen JA. Prevalence, Persistence, and Clinical Significance of Masked Hypertension in Youth. *Hypertension*. 2005;45:493-498. [IF: 5.6]
19. Cwynar M, Staessen JA, Ticha M, **Nawrot T**, Citterio L, Kuznetsova T, Wojciechowska W, Stolarz K, Filipovsky J, Kawecka-Jaszcz K, Grodzicki T, Struijker-Boudier HA, Thijs L, Van Bortel LM, Bianchi G; on behalf of the European Project On Genes in Hypertension (EPOGH) Investigators. Epistatic interaction between alpha- and gamma-adducin influences peripheral and central pulse pressures in white Europeans. *Journal of Hypertension*. 2005;23:961-969. [IF: 3.6]

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21. **Nawrot TS**, Staessen JA, Van Bortel LM, Struijker-Boudier HA. Endothelial function and outdoor temperature. **European Journal of Epidemiology** 2005;20:407-10. [IF: 1.0].
22. Plusquin M, **Nawrot TS**, Staessen JA. Correspondence on Peripheral Arterial Disease and Metals in Urine and Blood and authors' response. **Environmental Health Perspectives**. 2005 Aug;113:a510-1. [Letter to the Editor]
23. Zebekakis PE, **Nawrot T**, Safar ME, Struijker-Boudier HA, Van Bortel LM, Staessen JA. Obesity increases vascular stiffness from adolescence until old age. **Journal of Hypertension** 2005;23:1839-1846. [IF: 4.8].
24. **Nawrot TS**, Plusquin M, Hogervorst J, Roels HA, Celis H, Thijs L, Vangronsveld J, Van Hecke E, Staessen JA. Risk of cancer and environmental exposure to cadmium in a prospective population study. **Lancet Oncology** 2006;7:119-26. [IF:10.1]
25. **Nawrot TS**, Nemmar A, Nemery B. Environmental and Occupational health in the *AJRCCM*. **American Journal of Respiratory and Critical Care Medicine**. 2006;173:948-52 [review article, IF: 8.1]
26. **Nawrot TS**, Torfs R, Fierens F, De Henauw S, De Backer G, Hoet P, Kerschaever G, Nemery B. Outdoor temperature modifies the shape of the association between mortality and air pollution. **Journal of Epidemiology and Community Health** [in press, IF: 3.0].
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28. **Nawrot TS**, Nackaerts K, Hoet PH, Nemery B. Lung cancer mortality and fine particulate air pollution in Europe. **International Journal of Cancer**. 2007;120:1825-6 [IF: 4.7; research letter].
29. **Nawrot TS**, Torfs R, Fierens F, De Henauw S, Hoet PH, Van Kerschaever G, De Backer G, Nemery B. Stronger associations between daily mortality and fine particulate air pollution in summer than in winter: evidence from a heavily polluted region in western Europe. **Journal Epidemiology Community Health**. 2007;61:146-9 [IF: 2.8].

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31. **Nawrot TS**, Staessen JA. Low-level environmental exposure to lead unmasked as silent killer. **Circulation**. 2006 Sep 26;114(13):1347-9. [editorial, IF: 5.4]
32. **Nawrot TS**, Nemmar A, Nemery B. Air pollution: To the heart of the matter. **European Heart Journal**. 2006;27:2269-71. [Editorial, IF: 7.3]
33. Wang JG, Staessen JA, Li Y, Van Bortel LM, **Nawrot T**, Fagard R, Messerli FH, Safar M. Carotid intima-media thickness and antihypertensive treatment: a meta-analysis of randomized controlled trials. **Stroke**. 2006;37:1933-40 [IF: 5.4].
34. Alfaro-Moreno E, **Nawrot TS**, Nemmar A, Nemery B. Particulate matter in the environment: pulmonary and cardiovascular effects. **Current Opinion Pulmonary Medicine**. 2007;13:98-106. [review, IF: 2,5]
35. **Nawrot TS**, Nemmar A, Nemery B. Update in environmental and occupational medicine 2006. **American Journal Respiratory Critical Care Medicine**. 2007;175:758-62. [review, IF: 9.0]
36. **Nawrot TS**, Van Kersschaever G, Van Eycken E, Nemery B. Belgium: historical champion in asbestos consumption. **Lancet**. 2007;369:1692. [research letter, IF: 25,8]
37. **Nawrot TS**, Nemery B. Response to findings on association between temperature and dose response coefficient of inhalable particles (PM<sub>10</sub>). **J Epidemiology & Community Health**. 2007;61:838. [letter, IF: 2.8]
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39. Schutte R, **Nawrot T**, Richart T, Thijs L, Roels HA, Van Bortel LM, Struijker-Boudier H, Staessen JA. Arterial structure and function and environmental exposure to cadmium. **Occupational & Environ Medicine**. 2007;65:412-9. [IF: 2.1]
40. Vanoirbeek JA, De Vooght V, Vanhooren HM, **Nawrot TS**, Nemery B, Hoet PH. How long do the systemic and ventilatory responses to toluene diisocyanate persist in dermally sensitized mice? **Journal Allergy Clinical Immunology**. 2007;121:456-463. [IF: 8.1]

41. Vanaudenaerde BM, Wuyts WA, Geudens N, **Nawrot TS**, Vos R, Dupont LJ, Van Raemdonck DE, Verleden GM. Broncho-alveolar lavage fluid recovery correlates with airway neutrophilia in lung transplant patients. *Respiratory Medicine*. 2007;102:339-47. [IF: 2.2]
42. Seidlerová J, Bochud M, Staessen JA, Cwynar M, Dolejšová M, Kuznetsova T, **Nawrot T**, Olszanecka A, Stolarz K, Thijs L, Wojciechowska W, Struijker-Boudier HA, Kawecka-Jaszcz K, Elston RC, Fagard R, Filipovský J; EPOGH investigators. Heritability and intrafamilial aggregation of arterial characteristics. *Journal of Hypertension*. 2008;26:721-8. [IF: 4.4]
43. **Nawrot TS**, Alfaro-Moreno E, Nemery B. Update in occupational and environmental respiratory disease 2007. *Journal of Respiratory and Critical Care Medicine*. 2008;177:696-700. [IF: 9.1; Review].
44. Schutte R, **Nawrot TS**, Richart T, Thijs L, Vanderschueren D, Kuznetsova T, Van Hecke E, Roels HA, Staessen JA. Bone resorption and environmental exposure to cadmium in women: a population study. *Environmental Health Perspectives*. 2008;116:777-83. [IF: 5.6]
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46. **Nawrot T**, Van Hecke T, Thijs L, Richart T, Kuznetsova T, Jin Y, Vangronsveld J, Roels HA, Staessen JA. Cadmium-Related Mortality and Long-Term Secular Trends in the Cadmium Body Burden of an Environmentally Exposed Population. *Environmental Health Perspectives*. 2008;116:1620-8. [IF: 5.6]
47. Seidlerová J, Staessen JA, Bochud M, **Nawrot T**, Casamassima N, Citterio L, Kuznetsova T, Jin Y, Manunta P, Richart T, Struijker-Boudier HA, Fagard R, Filipovský J, Bianchi G. Arterial Properties in Relation to Genetic Variations in the Adducin Subunits in a White Population. *American Journal Hypertension*. 2009;22:21-6. [IF: 5.6]
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50. Jacobs L, Emmerechts J, Mathieu C, Hoylaerts MF, Fierens F, Hoet PH, Nemery B, **Nawrot TS**. Air pollution related prothrombotic changes in persons with diabetes. *Environmental Health Perspectives*. 2010;118:191-6. [IF: 6.0]
51. **Nawrot T**, Geusens P, Nulens TS, Nemery B. Occupational cadmium exposure and calcium excretion, bone density, and osteoporosis in men. *Journal Bone Mineral Research*. 2010;25:1441-5.
52. **Nawrot TS**, van der Harst P, Staessen JA. Online journals: paying or delaying? *Lancet*. 2010;376:984. [IF:30.7, letter]
53. **Nawrot TS**, Staessen JA, Holvoet P, Struijker-Boudier HA, Schiffers P, Van Bortel LM, Fagard RH, Gardner JP, Kimura M, Aviv A. Telomere length and its associations with oxidized-LDL, carotid artery distensibility and smoking. *Frontiers Biosciences* (Elite Ed). 2010;2:1164-8. [IF: 3.7]
54. Cuypers A, Plusquin M, Remans T, Jozefczak M, Keunen E, Gielen H, Opdenakker K, Nair AR, Munters E, Artois TJ, **Nawrot T**, Vangronsveld J, Smeets K. Cadmium stress: an oxidative challenge. *Biometals*. 2010 [IF: 3.2, in press]
55. Vos R, Vanaudenaerde BM, Verleden SE, De Vleeschauwer SI, Willems-Widyastuti A, Van Raemdonck DE, Schoonis A, **Nawrot TS**, Dupont LJ, Verleden GM. A randomized placebo-controlled trial of azithromycin to prevent bronchiolitis obliterans syndrome after lung transplantation. *Eur Respir J*. 2010 [IF: 5.5, in press]
56. Richart T, Thijs L, **Nawrot T**, Yu J, Kuznetsova T, Balkestein EJ, Struijker-Boudier HA, Staessen JA. The Metabolic Syndrome and Carotid Intima-Media Thickness in Relation to the Parathyroid Hormone to 25-OH-D(3) Ratio in a General Population. *Am J Hypertens*. 2010 [IF: 3.0 in press]
57. **Nawrot TS**, Staessen JA, Roels HA, Munters E, Cuypers A, Richart T, Ruttens A, Smeets K, Clijsters H, Vangronsveld J. Cadmium exposure in the population: from health risks to strategies of prevention. *Biometals*. 2010 [IF:3.2, in press]

## **PUBLICATIONS IN NATIONAL JOURNALS (AT)**

1. **Nawrot T**, Den Hond E, Staessen JA. Milieutoxicologische metingen, een synopsis voor de algemene practicus. Deel 1: basisprincipes en biomonitoring in de toxicologie. *Tijdschrift voor Geneeskunde* 2002;58:136-142.
2. **Nawrot T**, Den Hond E, Staessen JA. Milieutoxicologische metingen, een synopsis voor de algemene practicus. Deel 2: biomonitoring van polycyclische aromatische koolwaterstoffen en benzeen, een moleculair-epidemiologische benadering. *Tijdschrift voor Geneeskunde* 2002;58:283-290.
3. **Nawrot T**, Den Hond E, Staessen JA. Milieutoxicologische metingen, een synopsis voor de algemene practicus. Deel 3: toxicologie van lood en cadmium. *Tijdschrift voor Geneeskunde* 2002;58:427-434.
4. **Nawrot T**, Den Hond E, Staessen JA. Milieutoxicologische metingen, een synopsis voor de algemene practicus. Deel 4: toxicologie en biomonitoring van polychloorbifenylen en dioxines. *Tijdschrift voor Geneeskunde* 2002;58: 569-574.
5. **Nawrot T**. Boekbespreking: Heavy metals in the environment. *Tijdschrift voor Geneeskunde* 2002;58:1610-1611. [book review]
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7. **Nawrot T**, Nemery B. Effecten van fijn stof: van pasgeborene tot bejaarde. *Patient Care* 2007;30:43-48.

## **PUBLICATIONS IN BOOK FORMAT**

Munters E, **Nawrot TS**: Chapter: An epidemiological appraisal of smoking related outcomes. In: Tobacco control Bernhard (Ed.) Elsevier in press.

1. **Nawrot T**. *Why should we take the air pollution standards more seriously?*. In: Boermeester, Frank (Ed.) The fifth conference clean: Energy, environment & sustainability, p. 28-29. 2009, ISBN: 9789079056040
2. **Nawrot TS**, Staessen JA. Chapter: Cancer and exposure to cadmium. In: Encyclopedia of Cancer Schwab, Manfred (Ed.) 2nd ed., 2009, ISBN: 978-3-540-47648-1
3. **Nawrot T**, Den Hond E, Thijs L, Staessen JA. Chapter: Blood pressure and ageing. In: "Hypertension: Principles and Practice". 2005 Dekker, New York ISBN: 0824728556.
4. Nouwen J, Geuzens P, Den Hond E, **Nawrot T**, Staessen JA, Belpaire G, Van Hooste H. Hoofdstuk 2.3: Verspreiding van Zware metalen. In: Milieu- en natuurrapport Vlaanderen 2003, MIRA. Van Steertegem M. Leuven 2003, pages: 157-170.
5. **Nawrot T**, Den Hond E, Staessen JA. Hoofdstuk 3.1: Impact mens: Biomonitoring een methode voor het schatten van blootstelling en effect. In: Milieu- en natuurrapport Vlaanderen 2003, MIRA. Van Steertegem M. Leuven 2003, pages: 403-408.

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**Nawrot T**. Genetic variation and environmental factors in biological and arterial ageing. Acta Biomedica Lovaniensia, Leuven University press, Leuven 2005. ISBN: 9058674606