Roel Smolders

List of Publications by Year in Descending Order

34 papers	1,083 citations	17 h-index	32 g-index
38 ext. papers	1,173 ext. citations	4.9 avg, IF	3.7 L-index

#	Paper	IF	Citations
34	Policy recommendations and cost implications for a more sustainable framework for European human biomonitoring surveys. *Environmental Research*, **2015**, 141, 42-57	7.9	11
33	Sources of variability in biomarker concentrations. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2014**, 17, 45-61	8.6	105
32	Key aspects of a Flemish system to safeguard public health interests in case of chemical release incidents. *Toxicology Letters*, **2014**, 231, 315-23	4.4	5
31	Perspectives for environment and health research in Horizon 2020: dark ages or golden era?. *International Journal of Hygiene and Environmental Health*, **2014**, 217, 891-6	6.9	5
30	Inter- and intra-individual variation in urinary biomarker concentrations over a 6-day sampling period. Part 2: personal care product ingredients. *Toxicology Letters*, **2014**, 231, 261-9	4.4	84
29	Inter- and intra-individual variation in urinary biomarker concentrations over a 6-day sampling period. Part 1: metals. *Toxicology Letters*, **2014**, 231, 249-60	4.4	35
28	Sensitizing events as trigger for discursive renewal and institutional change in Flandersb environmental health approach, 1970s-1990s. *Environmental Health*, **2013**, 12, 46	6	2
27	Framework for the development and application of environmental biological monitoring guidance values. *Regulatory Toxicology and Pharmacology*, **2012**, 63, 453-60	3.4	19
26	Exploring Exposure in 27 Countries in a European Human Biomonitoring Study□ophes. *Epidemiology*, **2011**, 22, S230-S231	3.1	3
25	Biomonitoring and biomarkers to unravel the risks from prenatal environmental exposures for later health outcomes. *American Journal of Clinical Nutrition*, **2011**, 94, 1964S-1969S	7	29
24	Copper toxicity in gibel carp Carassius auratus gibelio: importance of sodium and glycogen. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2010**, 152, 332-7	3.2	15
23	A review on the practical application of human biomonitoring in integrated environmental health impact assessment. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2009**, 12, 107-23	8.6	34
22	Female polymorphism, condition differences, and variation in male harassment and ambient temperature. *Biological Journal of the Linnean Society*, **2009**, 97, 545-554	1.9	17
21	Applicability of non-invasively collected matrices for human biomonitoring. *Environmental Health*, **2009**, 8, 8	6	70
20	Cellular energy allocation in Hediste diversicolor exposed to sediment contaminants. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2009**, 72, 244-53	3.2	10
19	Mode of action clustering of chemicals and environmental samples on the bases of bacterial stress gene inductions. *Toxicological Sciences*, **2008**, 101, 206-14	4.4	8
18	Human biomonitoring and the INSPIRE directive: spatial data as link for environment and health research. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2008**, 11, 646-59	8.6	7

17	Alterations in the energy budget of Arctic benthic species exposed to oil-related compounds. *Aquatic Toxicology*, **2007**, 83, 85-92	5.1	29
16	Effluent impact assessment using microarray-based analysis in common carp: a systems toxicology approach. *Chemosphere*, **2007**, 67, 2293-304	8.4	48
15	Use of transplanted Zebra mussels (Dreissena polymorpha) to assess the bioavailability of microcontaminants in Flemish surface waters. *Environmental Science & Technology*, **2005**, 39, 1492-505	10.3	85
14	The effect of environmental stress on absolute and mass-specific scope for growth in Daphnia magna Strauss. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2005**, 140, 364-73	3.2	12
13	Relationship between the energy status of Daphnia magna and its sensitivity to environmental stress. *Aquatic Toxicology*, **2005**, 73, 155-70	5.1	64
12	Metal accumulation and condition of transplanted zebra mussel (Dreissena polymorpha) in metal polluted rivers. *Aquatic Ecosystem Health and Management*, **2005**, 8, 451-460	1.4	6
11	Changes in cellular energy budget as a measure of whole effluent toxicity in zebrafish (Danio rerio). *Environmental Toxicology and Chemistry*, **2003**, 22, 890-899	3.8	96
10	A Conceptual Framework for Using Mussels as Biomonitors in Whole Effluent Toxicity. *Human and Ecological Risk Assessment (HERA)*, **2003**, 9, 741-760	4.9	63
9	. *Environmental Toxicology and Chemistry*, **2003**, 22, 890	3.8	10
8	Changes in cellular energy budget as a measure of whole effluent toxicity in zebrafish (Danio rerio). *Environmental Toxicology and Chemistry*, **2003**, 22, 890-9	3.8	14
7	Integrated condition indices as a measure of whole effluent toxicity in zebrafish (Danio rerio). *Environmental Toxicology and Chemistry*, **2002**, 21, 87-93	3.8	44
6	Transplanted zebra mussels (Dreissena polymorpha) as active biomonitors in an effluent-dominated river. *Environmental Toxicology and Chemistry*, **2002**, 21, 1889-1896	3.8	42
5	Integrated condition indices as a measure of whole effluent toxicity in zebrafish (Danio rerio). *Environmental Toxicology and Chemistry*, **2002**, 21, 87-93	3.8	9
4	Transplanted zebra mussels (Dreissena polymorpha) as active biomonitors in an effluent-dominated river. *Environmental Toxicology and Chemistry*, **2002**, 21, 1889-96	3.8	4
3	An Index of Biotic Integrity characterizing fish populations and the ecological quality of Flandrian water bodies. *Hydrobiologia*, **2000**, 434, 17-33	2.4	74
2	Potential Future Developments in Ecotoxicology337-371		
1	Active Biomonitoring (ABM) by Translocation of Bivalve Molluscs33		2