

Roel Smolders

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Sources of variability in biomarker concentrations. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2014 , 17, 45-61	8.6	105
33	Changes in cellular energy budget as a measure of whole effluent toxicity in zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 890-899	3.8	96
32	Use of transplanted Zebra mussels (<i>Dreissena polymorpha</i>) to assess the bioavailability of microcontaminants in Flemish surface waters. <i>Environmental Science & Technology</i> , 2005 , 39, 1492-503	10.3	85
31	Inter- and intra-individual variation in urinary biomarker concentrations over a 6-day sampling period. Part 2: personal care product ingredients. <i>Toxicology Letters</i> , 2014 , 231, 261-9	4.4	84
30	An Index of Biotic Integrity characterizing fish populations and the ecological quality of Flandrian water bodies. <i>Hydrobiologia</i> , 2000 , 434, 17-33	2.4	74
29	Applicability of non-invasively collected matrices for human biomonitoring. <i>Environmental Health</i> , 2009 , 8, 8	6	70
28	Relationship between the energy status of <i>Daphnia magna</i> and its sensitivity to environmental stress. <i>Aquatic Toxicology</i> , 2005 , 73, 155-70	5.1	64
27	A Conceptual Framework for Using Mussels as Biomonitors in Whole Effluent Toxicity. <i>Human and Ecological Risk Assessment (HERA)</i> , 2003 , 9, 741-760	4.9	63
26	Effluent impact assessment using microarray-based analysis in common carp: a systems toxicology approach. <i>Chemosphere</i> , 2007 , 67, 2293-304	8.4	48
25	Integrated condition indices as a measure of whole effluent toxicity in zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 87-93	3.8	44
24	Transplanted zebra mussels (<i>Dreissena polymorpha</i>) as active biomonitors in an effluent-dominated river. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 1889-1896	3.8	42
23	Inter- and intra-individual variation in urinary biomarker concentrations over a 6-day sampling period. Part 1: metals. <i>Toxicology Letters</i> , 2014 , 231, 249-60	4.4	35
22	A review on the practical application of human biomonitoring in integrated environmental health impact assessment. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2009 , 12, 107-23	8.6	34
21	Biomonitoring and biomarkers to unravel the risks from prenatal environmental exposures for later health outcomes. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 1964S-1969S	7	29
20	Alterations in the energy budget of Arctic benthic species exposed to oil-related compounds. <i>Aquatic Toxicology</i> , 2007 , 83, 85-92	5.1	29
19	Framework for the development and application of environmental biological monitoring guidance values. <i>Regulatory Toxicology and Pharmacology</i> , 2012 , 63, 453-60	3.4	19
18	Female polymorphism, condition differences, and variation in male harassment and ambient temperature. <i>Biological Journal of the Linnean Society</i> , 2009 , 97, 545-554	1.9	17

17	Copper toxicity in gibel carp <i>Carassius auratus gibelio</i> : importance of sodium and glycogen. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 332-7	3.2	15
16	Changes in cellular energy budget as a measure of whole effluent toxicity in zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 890-9	3.8	14
15	The effect of environmental stress on absolute and mass-specific scope for growth in <i>Daphnia magna</i> Strauss. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2005 , 140, 364-73	3.2	12
14	Policy recommendations and cost implications for a more sustainable framework for European human biomonitoring surveys. <i>Environmental Research</i> , 2015 , 141, 42-57	7.9	11
13	Cellular energy allocation in <i>Hediste diversicolor</i> exposed to sediment contaminants. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009 , 72, 244-53	3.2	10
12	. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 890	3.8	10
11	Integrated condition indices as a measure of whole effluent toxicity in zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 87-93	3.8	9
10	Mode of action clustering of chemicals and environmental samples on the bases of bacterial stress gene inductions. <i>Toxicological Sciences</i> , 2008 , 101, 206-14	4.4	8
9	Human biomonitoring and the INSPIRE directive: spatial data as link for environment and health research. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2008 , 11, 646-59	8.6	7
8	Metal accumulation and condition of transplanted zebra mussel (<i>Dreissena polymorpha</i>) in metal polluted rivers. <i>Aquatic Ecosystem Health and Management</i> , 2005 , 8, 451-460	1.4	6
7	Key aspects of a Flemish system to safeguard public health interests in case of chemical release incidents. <i>Toxicology Letters</i> , 2014 , 231, 315-23	4.4	5
6	Perspectives for environment and health research in Horizon 2020: dark ages or golden era?. <i>International Journal of Hygiene and Environmental Health</i> , 2014 , 217, 891-6	6.9	5
5	Transplanted zebra mussels (<i>Dreissena polymorpha</i>) as active biomonitors in an effluent-dominated river. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 1889-96	3.8	4
4	Exploring Exposure in 27 Countries in a European Human Biomonitoring StudyTophes. <i>Epidemiology</i> , 2011 , 22, S230-S231	3.1	3
3	Sensitizing events as trigger for discursive renewal and institutional change in Flandersb environmental health approach, 1970s-1990s. <i>Environmental Health</i> , 2013 , 12, 46	6	2
2	Active Biomonitoring (ABM) by Translocation of Bivalve Molluscs33		2
1	Potential Future Developments in Ecotoxicology337-371		