

# Roel Smolders

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,283  
citations

430754

18  
h-index

377752

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sources of Variability in Biomarker Concentrations. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2014, 17, 45-61.	2.9	133
2	Changes in cellular energy budget as a measure of whole effluent toxicity in zebrafish ( <i>Danio rerio</i> ). Environmental Toxicology and Chemistry, 2003, 22, 890-9.	2.2	115
3	Use of Transplanted Zebra Mussels ( <i>Dreissena polymorpha</i> ) To Assess the Bioavailability of Microcontaminants in Flemish Surface Waters. Environmental Science & Technology, 2005, 39, 1492-1505.	4.6	98
4	Title is missing!. Hydrobiologia, 2000, 434, 17-33.	1.0	96
5	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, 261-269.	0.4	96
6	Applicability of non-invasively collected matrices for human biomonitoring. Environmental Health, 2009, 8, 8.	1.7	92
7	A Conceptual Framework for Using Mussels as Biomonitoring in Whole Effluent Toxicity. Human and Ecological Risk Assessment (HERA), 2003, 9, 741-760.	1.7	71
8	Relationship between the energy status of <i>Daphnia magna</i> and its sensitivity to environmental stress. Aquatic Toxicology, 2005, 73, 155-170.	1.9	71
9	Effluent impact assessment using microarray-based analysis in common carp: A systems toxicology approach. Chemosphere, 2007, 67, 2293-2304.	4.2	49
10	Integrated condition indices as a measure of whole effluent toxicity in zebrafish ( <i>Danio rerio</i> ). Environmental Toxicology and Chemistry, 2002, 21, 87-93.	2.2	46
11	Transplanted zebra mussels ( <i>Dreissena polymorpha</i> ) as active biomonitoring in an effluent-dominated river. Environmental Toxicology and Chemistry, 2002, 21, 1889-1896.	2.2	45
12	Inter- and intra-individual variation in urinary biomarker concentrations over a 6-day sampling period. Part 1: Metals. Toxicology Letters, 2014, 231, 249-260.	0.4	42
13	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, 107-123.	2.9	39
14	Alterations in the energy budget of Arctic benthic species exposed to oil-related compounds. Aquatic Toxicology, 2007, 83, 85-92.	1.9	35
15	Biomonitoring and biomarkers to unravel the risks from prenatal environmental exposures for later health outcomes. American Journal of Clinical Nutrition, 2011, 94, S1964-S1969.	2.2	32
16	Approaches to integrated monitoring for environmental health impact assessment. Environmental Health, 2012, 11, 88.	1.7	25
17	Framework for the development and application of environmental biological monitoring guidance values. Regulatory Toxicology and Pharmacology, 2012, 63, 453-460.	1.3	23
18	Changes in cellular energy budget as a measure of whole effluent toxicity in zebrafish ( <i>Danio rerio</i> ). Environmental Toxicology and Chemistry, 2003, 22, 890-9.	2.2	19

#	ARTICLE	IF	CITATIONS
19	Female polymorphism, condition differences, and variation in male harassment and ambient temperature. <i>Biological Journal of the Linnean Society</i> , 2009, 97, 545-554.	0.7	18
20	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, 332-337.	1.3	18
21	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, 364-373.	1.3	16
22	Policy recommendations and cost implications for a more sustainable framework for European human biomonitoring surveys. <i>Environmental Research</i> , 2015, 141, 42-57.	3.7	14
23	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, 244-253.	1.1	13
24	CHANGES IN CELLULAR ENERGY BUDGET AS A MEASURE OF WHOLE EFFLUENT TOXICITY IN ZEBRAFISH (DANIO RERIO). <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 890.	2.2	11
25	Mode of Action Clustering of Chemicals and Environmental Samples on the Bases of Bacterial Stress Gene Inductions. <i>Toxicological Sciences</i> , 2008, 101, 206-214.	1.4	9
26	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.	2.2	9
27	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, 646-659.	2.9	8
28	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.	0.3	7
29	Key aspects of a Flemish system to safeguard public health interests in case of chemical release incidents. <i>Toxicology Letters</i> , 2014, 231, 315-323.	0.4	7
30	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, 891-896.	2.1	6
31	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.	2.2	5
32	Exploring Exposure in 27 Countries in a European Human Biomonitoring Studyâ€”Cophes. <i>Epidemiology</i> , 2011, 22, S230-S231.	1.2	4
33	Identifying a role for human biomonitoring in incidents involving hazardous materials. <i>Toxicology Letters</i> , 2014, 231, 291-294.	0.4	4
34	Sensitizing events as trigger for discursive renewal and institutional change in Flandersâ€™ environmental health approach, 1970s-1990s. <i>Environmental Health</i> , 2013, 12, 46.	1.7	2
35	Potential Future Developments in Ecotoxicology. , 0, , 337-371.		0
36	Integrative measures of toxicant exposure in zebra fish ( <i>Danio rerio</i> ) at different levels of biological organization. , 2005, , .		0