

# Colin R Janssen

## List of Publications by Year in descending order

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271  
papers

21,766  
citations

15880

67  
h-index

12638

137  
g-index

274  
all docs

274  
docs citations

274  
times ranked

18165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastic detection and identification by Nile red staining: Towards a semi-automated, cost- and time-effective technique. <i>Science of the Total Environment</i> , 2022, 823, 153441.	3.9	42
2	Effects of Microplastic on the Population Dynamics of a Marine Copepod: Insights from a Laboratory Experiment and a Mechanistic Model. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1663-1674.	2.2	5
3	Presence of microplastics in drinking water from different freshwater sources in Flanders (Belgium), an urbanized region in Europe. <i>International Journal of Food Contamination</i> , 2022, 9, .	2.2	14
4	Metabarcoding reveals hidden species and improves identification of marine zooplankton communities in the North Sea. <i>ICES Journal of Marine Science</i> , 2021, 78, 3411-3427.	1.2	12
5	Prioritization of contaminants and biological process targets in the North Sea using toxicity data from ToxCast. <i>Science of the Total Environment</i> , 2021, 758, 144157.	3.9	8
6	Phycotoxin-Enriched Sea Spray Aerosols: Methods, Mechanisms, and Human Exposure. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6184-6196.	4.6	11
7	Sea Spray Aerosols Contain the Major Component of Human Lung Surfactant. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15989-16000.	4.6	4
8	Acute and Chronic Toxicity of Cobalt to Freshwater Organisms: Using a Species Sensitivity Distribution Approach to Establish International Water Quality Standards. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 799-811.	2.2	24
9	Evaluating the potential of direct RNA nanopore sequencing: Metatranscriptomics highlights possible seasonal differences in a marine pelagic crustacean zooplankton community. <i>Marine Environmental Research</i> , 2020, 153, 104836.	1.1	23
10	Spatio-temporal patterns in the gene expression of the calanoid copepod <i>Temora longicornis</i> in the Belgian part of the North Sea. <i>Marine Environmental Research</i> , 2020, 160, 105037.	1.1	8
11	Characteristics and Sinking Behavior of Typical Microplastics Including the Potential Effect of Biofouling: Implications for Remediation. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8668-8680.	4.6	139
12	Aerosolizable Marine Phycotoxins and Human Health Effects: In Vitro Support for the Biogenics Hypothesis. <i>Marine Drugs</i> , 2020, 18, 46.	2.2	14
13	Three-dimensional X-ray fluorescence imaging modes for biological specimens using a full-field energy dispersive CCD camera. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2083-2093.	1.6	29
14	Marine biogenics in sea spray aerosols interact with the mTOR signaling pathway. <i>Scientific Reports</i> , 2019, 9, 675.	1.6	12
15	Stressor fluxes alter the relationship between beta-diversity and regional productivity. <i>Oikos</i> , 2019, 128, 1015-1026.	1.2	7
16	The transcriptome of the marine calanoid copepod <i>Temora longicornis</i> under heat stress and recovery. <i>Marine Environmental Research</i> , 2019, 143, 10-23.	1.1	29
17	Combined effects of interspecies interaction, temperature, and zinc on <i>Daphnia longispina</i> population dynamics. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1668-1678.	2.2	6
18	Multimodel inference to quantify the relative importance of abiotic factors in the population dynamics of marine zooplankton. <i>Journal of Marine Systems</i> , 2018, 181, 91-98.	0.9	15

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19	A framework for ecological risk assessment of metal mixtures in aquatic systems. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 623-642.	2.2	58
20	The combined and interactive effects of zinc, temperature, and phosphorus on the structure and functioning of a freshwater community. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2413-2427.	2.2	11
21	Risk assessment of microplastics in the ocean: Modelling approach and first conclusions. <i>Environmental Pollution</i> , 2018, 242, 1930-1938.	3.7	313
22	Biodiversity effects on ecosystem functioning respond unimodally to environmental stress. <i>Ecology Letters</i> , 2018, 21, 1191-1199.	3.0	58
23	The effects of a mixture of copper, nickel, and zinc on the structure and function of a freshwater planktonic community. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2380-2400.	2.2	10
24	Selective and context-dependent effects of chemical stress across trophic levels at the basis of marine food webs. <i>Ecological Applications</i> , 2018, 28, 1342-1353.	1.8	6
25	Comparison of four methods for bioavailability-based risk assessment of mixtures of Cu, Zn, and Ni in freshwater. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2123-2138.	2.2	21
26	Salinity, dissolved organic carbon, and interpopulation variability hardly influence the accumulation and effect of copper in <i>Mytilus edulis</i> . <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2074-2082.	2.2	8
27	The effect of pH on chronic zinc toxicity differs between daphnid species: Development of a preliminary chronic zinc <i>Ceriodaphnia dubia</i> bioavailability model. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2750-2755.	2.2	8
28	The Consequences of Nonrandomness in Species-Sensitivity in Relation to Functional Traits for Ecosystem-Level Effects of Chemicals. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7228-7235.	4.6	11
29	Analyzing the capacity of the <i>Daphnia magna</i> and <i>Pseudokirchneriella subcapitata</i> bioavailability models to predict chronic zinc toxicity at high pH and low calcium concentrations and formulation of a generalized bioavailability model for <i>D. magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2781-2798.	2.2	11
30	Nonlinear partitioning of biodiversity effects on ecosystem functioning. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1233-1240.	2.2	9
31	High resolution mass spectrometry-based screening reveals lipophilic toxins in multiple trophic levels from the North Sea. <i>Harmful Algae</i> , 2017, 64, 30-41.	2.2	19
32	Different response-effect trait relationships underlie contrasting responses to two chemical stressors. <i>Journal of Ecology</i> , 2017, 105, 1598-1609.	1.9	15
33	Bisulfite Sequencing with <i>Daphnia</i> Highlights a Role for Epigenetics in Regulating Stress Response to <i>Microcystis</i> through Preferential Differential Methylation of Serine and Threonine Amino Acids. <i>Environmental Science &amp; Technology</i> , 2017, 51, 924-931.	4.6	57
34	Integrated Three-Dimensional Microanalysis Combining X-Ray Microtomography and X-Ray Fluorescence Methodologies. <i>Analytical Chemistry</i> , 2017, 89, 10617-10624.	3.2	36
35	Mixture toxicity in the marine environment: Model development and evidence for synergism at environmental concentrations. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 3471-3479.	2.2	12
36	Non-additive effects of dispersal and selective stress on structure, evenness, and biovolume production in marine diatom communities. <i>Hydrobiologia</i> , 2017, 788, 385-396.	1.0	4

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37	Development and validation of a metal mixture bioavailability model (MMBM) to predict chronic toxicity of Ni-Zn-Pb mixtures to <i>Ceriodaphnia dubia</i> . <i>Environmental Pollution</i> , 2017, 220, 1271-1281.	3.7	20
38	Comparison of chronic mixture toxicity of nickel-zinc-copper and nickel-zinc-copper-cadmium mixtures between <i>Ceriodaphnia dubia</i> and <i>Pseudokirchneriella subcapitata</i> . <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1056-1066.	2.2	22
39	Reproductive toxicity of binary and ternary mixture combinations of nickel, zinc, and lead to <i>Ceriodaphnia dubia</i> is best predicted with the independent action model. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1796-1805.	2.2	24
40	The effect of pH on chronic aquatic nickel toxicity is dependent on the pH itself: Extending the chronic nickel bioavailability models. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1097-1106.	2.2	44
41	Development and validation of a chronic Pb bioavailability model for the freshwater rotifer <i>Brachionus calyciflorus</i> . <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2977-2986.	2.2	3
42	The effects of zinc on the structure and functioning of a freshwater community: A microcosm experiment. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2698-2712.	2.2	14
43	Quantitative Determination and Subcellular Imaging of Cu in Single Cells via Laser Ablation-ICP-Mass Spectrometry Using High-Density Microarray Gelatin Standards. <i>Analytical Chemistry</i> , 2016, 88, 5783-5789.	3.2	53
44	Biodiversity increases functional and compositional resistance, but decreases resilience in phytoplankton communities. <i>Ecology</i> , 2016, 97, 3433-3440.	1.5	63
45	Per capita interactions and stress tolerance drive stress-induced changes in biodiversity effects on ecosystem functions. <i>Nature Communications</i> , 2016, 7, 12486.	5.8	54
46	Temperature and food concentration have limited influence on the mixture toxicity of copper and <i>Microcystis aeruginosa</i> to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 742-749.	2.2	6
47	Realistic environmental mixtures of hydrophobic compounds do not alter growth of a marine diatom. <i>Marine Pollution Bulletin</i> , 2016, 102, 58-64.	2.3	11
48	Laboratory Scale X-ray Fluorescence Tomography: Instrument Characterization and Application in Earth and Environmental Science. <i>Analytical Chemistry</i> , 2016, 88, 3386-3391.	3.2	19
49	Microplastic as a Vector for Chemicals in the Aquatic Environment: Critical Review and Model-Supported Reinterpretation of Empirical Studies. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3315-3326.	4.6	1,031
50	Methodological challenges of optical tweezers-based X-ray fluorescence imaging of biological model organisms at synchrotron facilities. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1096-1105.	1.0	5
51	Comparison of the capacity of two biotic ligand models to predict chronic copper toxicity to two <i>Daphnia magna</i> clones and formulation of a generalized bioavailability model. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1597-1608.	2.2	9
52	Mixture toxicity of nickel and zinc to <i>Daphnia magna</i> is noninteractive at low effect sizes but becomes synergistic at high effect sizes. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1091-1102.	2.2	38
53	Quantification and profiling of lipophilic marine toxins in microalgae by UHPLC coupled to high-resolution orbitrap mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6345-6356.	1.9	22
54	Modelling the fate of micropollutants in the marine environment using passive sampling. <i>Marine Pollution Bulletin</i> , 2015, 96, 103-109.	2.3	13

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55	An Adult Stem Cell Proliferation Assay in the Flatworm Model <i>Macrostomum lignano</i> to Predict the Carcinogenicity of Compounds. <i>Applied in Vitro Toxicology</i> , 2015, 1, 213-219.	0.6	2
56	Microplastics are taken up by mussels ( <i>Mytilus edulis</i> ) and lugworms ( <i>Arenicola marina</i> ) living in natural habitats. <i>Environmental Pollution</i> , 2015, 199, 10-17.	3.7	817
57	In vivo X-ray elemental imaging of single cell model organisms manipulated by laser-based optical tweezers. <i>Scientific Reports</i> , 2015, 5, 9049.	1.6	14
58	Global cytosine methylation in <i>Daphnia magna</i> depends on genotype, environment, and their interaction. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1056-1061.	2.2	53
59	Rapid Adaptation of a <i>Daphnia magna</i> Population to Metal Stress Is Associated with Heterozygote Excess. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9298-9307.	4.6	38
60	Multidecadal Field Data Support Intimate Links between Phytoplankton Dynamics and PCB Concentrations in Marine Sediments and Biota. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8704-8711.	4.6	25
61	Microplastics in sediments: A review of techniques, occurrence and effects. <i>Marine Environmental Research</i> , 2015, 111, 5-17.	1.1	824
62	Passive sampling reversed: Coupling passive field sampling with passive lab dosing to assess the ecotoxicity of mixtures present in the marine environment. <i>Marine Pollution Bulletin</i> , 2015, 93, 9-19.	2.3	28
63	Salinity and dissolved organic carbon both affect copper toxicity in mussel larvae: Copper speciation or competition cannot explain everything. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1330-1336.	2.2	30
64	Relative contribution of persistent organic pollutants to marine phytoplankton biomass dynamics in the North Sea and the Kattegat. <i>Chemosphere</i> , 2015, 134, 76-83.	4.2	11
65	Opinion on environmental risks and indirect health effects of mercury from dental amalgam. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 72, 85-86.	1.3	6
66	Conserved transcriptional responses to cyanobacterial stressors are mediated by alternate regulation of paralogous genes in <i>Daphnia</i> . <i>Molecular Ecology</i> , 2015, 24, 1844-1855.	2.0	17
67	A critical view on microplastic quantification in aquatic organisms. <i>Environmental Research</i> , 2015, 143, 46-55.	3.7	352
68	Species interactions and chemical stress: Combined effects of intraspecific and interspecific interactions and pyrene on <i>Daphnia magna</i> population dynamics. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1751-1759.	2.2	22
69	Metal Mixture Modeling Evaluation project: 2. Comparison of four modeling approaches. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 741-753.	2.2	55
70	Stressor-induced biodiversity gradients: revisiting biodiversity-ecosystem functioning relationships. <i>Oikos</i> , 2015, 124, 677-684.	1.2	22
71	Heterogeneous photocatalysis of moxifloxacin in water: Chemical transformation and ecotoxicity. <i>Chemosphere</i> , 2015, 119, S75-S80.	4.2	34
72	An approach to assess the regulatory relevance of microevolutionary effects in ecological risk assessment of chemicals: A case study with cadmium. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 453-457.	2.2	17

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73	Development and validation of a biotic ligand model for predicting chronic toxicity of lead to <i>Ceriodaphnia dubia</i> . <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 394-403.	2.2	32
74	Epigenetics in an ecotoxicological context. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 764-765, 36-45.	0.9	124
75	The ChimERA project: coupling mechanistic exposure and effect models into an integrated platform for ecological risk assessment. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6263-7.	2.7	10
76	The contribution of intra- and interspecific tolerance variability to biodiversity changes along toxicity gradients. <i>Ecology Letters</i> , 2014, 17, 72-81.	3.0	28
77	Evaluating the contribution of ingested oil droplets to the bioaccumulation of oil components – A modeling approach. <i>Science of the Total Environment</i> , 2014, 499, 99-106.	3.9	12
78	Microplastics in bivalves cultured for human consumption. <i>Environmental Pollution</i> , 2014, 193, 65-70.	3.7	1,465
79	Inferring time-variable effects of nutrient enrichment on marine ecosystems using inverse modelling and ecological network analysis. <i>Science of the Total Environment</i> , 2014, 493, 708-718.	3.9	15
80	Validation of a confirmatory method for lipophilic marine toxins in shellfish using UHPLC-HR-Orbitrap MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5303-5312.	1.9	24
81	Additive modelling reveals spatiotemporal PCBs trends in marine sediments. <i>Marine Pollution Bulletin</i> , 2014, 79, 47-53.	2.3	10
82	Genome-Wide Transcription Profiles Reveal Genotype-Dependent Responses of Biological Pathways and Gene-Families in <i>Daphnia</i> Exposed to Single and Mixed Stressors. <i>Environmental Science &amp; Technology</i> , 2014, 48, 3513-3522.	4.6	51
83	The Combined Effect of Dissolved Organic Carbon and Salinity on the Bioaccumulation of Copper in Marine Mussel Larvae. <i>Environmental Science &amp; Technology</i> , 2014, 48, 698-705.	4.6	21
84	Relating taxonomy-based traits of macroinvertebrates with river sediment quality based on basic and zero-inflated Poisson models. <i>Ecological Informatics</i> , 2013, 18, 49-60.	2.3	4
85	Modelling the effects of copper on soil organisms and processes using the free ion approach: Towards a multi-species toxicity model. <i>Environmental Pollution</i> , 2013, 178, 244-253.	3.7	34
86	New techniques for the detection of microplastics in sediments and field collected organisms. <i>Marine Pollution Bulletin</i> , 2013, 70, 227-233.	2.3	726
87	An investigation of the inter-clonal variation of the interactive effects of cadmium and <i>Microcystis aeruginosa</i> on the reproductive performance of <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2013, 140-141, 425-431.	1.9	16
88	Microplastic pollution in deep-sea sediments. <i>Environmental Pollution</i> , 2013, 182, 495-499.	3.7	1,147
89	Assessment of marine debris on the Belgian Continental Shelf. <i>Marine Pollution Bulletin</i> , 2013, 73, 161-169.	2.3	163
90	Application of a silicone rubber passive sampling technique for monitoring PAHs and PCBs at three Belgian coastal harbours. <i>Chemosphere</i> , 2013, 91, 390-398.	4.2	53

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91	Emerging contaminants in Belgian marine waters: Single toxicant and mixture risks of pharmaceuticals. <i>Marine Pollution Bulletin</i> , 2013, 71, 41-50.	2.3	84
92	Interactive effects of a bacterial parasite and the insecticide carbaryl to life-history and physiology of two <i>Daphnia magna</i> clones differing in carbaryl sensitivity. <i>Aquatic Toxicology</i> , 2013, 130-131, 149-159.	1.9	29
93	Brief communication: The ecosystem perspective in ecotoxicology as a way forward for the ecological risk assessment of chemicals. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, e34-8.	1.6	30
94	Development and validation of a quantitative structure-activity relationship for chronic narcosis to fish. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2217-2225.	2.2	40
95	Monitoring micropollutants in marine waters, can quality standards be met?. <i>Marine Pollution Bulletin</i> , 2013, 69, 243-250.	2.3	25
96	A re-evaluation of fifteen years of european risk assessment using effect models. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 594-601.	2.2	9
97	WHOLE SEDIMENT TOXICITY TESTS FOR METAL RISK ASSESSMENTS: ON THE IMPORTANCE OF EQUILIBRATION AND TEST DESIGN TO INCREASE ECOLOGICAL RELEVANCE. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1048-1059.	2.2	13
98	The use of liposomes to differentiate between the effects of nickel accumulation and altered food quality in <i>Daphnia magna</i> exposed to dietary nickel. <i>Aquatic Toxicology</i> , 2012, 109, 80-89.	1.9	11
99	The effects of Zn-contaminated diets on <i>Daphnia magna</i> reproduction may be related to Zn-induced changes of the dietary P content rather than to the dietary Zn content itself. <i>Aquatic Toxicology</i> , 2012, 110-111, 9-16.	1.9	13
100	Identification of Pathways, Gene Networks, and Paralogous Gene Families in <i>Daphnia pulex</i> Responding to Exposure to the Toxic Cyanobacterium <i>Microcystis aeruginosa</i> . <i>Environmental Science &amp; Technology</i> , 2012, 46, 8448-8457.	4.6	52
101	A comparison of the short-term toxicity of cadmium to indigenous and alien gammarid species. <i>Ecotoxicology</i> , 2012, 21, 1135-1144.	1.1	22
102	Evaluation of the mayfly <i>Ephoron virgo</i> for European sediment toxicity assessment. <i>Journal of Soils and Sediments</i> , 2012, 12, 749-757.	1.5	6
103	Single versus combined exposure of <i>Hyalella azteca</i> to zinc contaminated sediment and food. <i>Chemosphere</i> , 2012, 87, 84-90.	4.2	12
104	Coupled chromatographic and mass-spectrometric techniques for the analysis of emerging pollutants in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 35, 87-108.	5.8	125
105	Liposomes as an alternative delivery system for investigating dietary metal toxicity to <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2011, 105, 661-668.	1.9	16
106	Ecotoxicological Mechanisms and Models in an Impact Analysis Tool for Oil Spills. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011, 74, 605-619.	1.1	15
107	Influence of alumina coating on characteristics and effects of SiO <sub>2</sub> nanoparticles in algal growth inhibition assays at various pH and organic matter contents. <i>Environment International</i> , 2011, 37, 1118-1125.	4.8	54
108	Occurrence and distribution of microplastics in marine sediments along the Belgian coast. <i>Marine Pollution Bulletin</i> , 2011, 62, 2199-2204.	2.3	1,072

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109	Locust phase polyphenism: Does epigenetic precede endocrine regulation?. <i>General and Comparative Endocrinology</i> , 2011, 173, 120-128.	0.8	43
110	Aggregation and ecotoxicity of CeO <sub>2</sub> nanoparticles in synthetic and natural waters with variable pH, organic matter concentration and ionic strength. <i>Environmental Pollution</i> , 2011, 159, 970-976.	3.7	161
111	Rapid quantification of pharmaceuticals and pesticides in passive samplers using ultra high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 9162-9173.	1.8	71
112	Epigenetics and its implications for ecotoxicology. <i>Ecotoxicology</i> , 2011, 20, 607-624.	1.1	149
113	Development of analytical strategies using U-HPLC-MS/MS and LC-ToF-MS for the quantification of micropollutants in marine organisms. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1459-1472.	1.9	98
114	Field measurement of nickel sediment toxicity: Role of acid volatile sulfide. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 162-172.	2.2	18
115	Ecosystem functions and densities of contributing functional groups respond in a different way to chemical stress. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2892-2898.	2.2	8
116	Will genetic adaptation of natural populations to chemical pollution result in lower or higher tolerance to future climate change?. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 141-143.	1.6	7
117	Sonolysis of ciprofloxacin in aqueous solution: Influence of operational parameters. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 184-189.	3.8	64
118	Validation and application of an LC-MS/MS method for the simultaneous quantification of 13 pharmaceuticals in seawater. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1797-1808.	1.9	146
119	Eco-, geno- and human toxicology of bio-active nanoparticles for biomedical applications. <i>Toxicology</i> , 2010, 269, 170-181.	2.0	43
120	Cross-phylum extrapolation of the <i>Daphnia magna</i> chronic biotic ligand model for zinc to the snail <i>Lymnaea stagnalis</i> and the rotifer <i>Brachionus calyciflorus</i> . <i>Science of the Total Environment</i> , 2010, 408, 5414-5422.	3.9	26
121	Gene transcription profiles, global DNA methylation and potential transgenerational epigenetic effects related to Zn exposure history in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2010, 158, 3323-3329.	3.7	42
122	Gene transcription and higher-level effects of multigenerational Zn exposure in <i>Daphnia magna</i> . <i>Chemosphere</i> , 2010, 80, 1014-1020.	4.2	39
123	Effect of natural organic matter on cerium dioxide nanoparticles settling in model fresh water. <i>Chemosphere</i> , 2010, 81, 711-715.	4.2	154
124	Comparison of laser ablation-inductively coupled plasma-mass spectrometry and micro-X-ray fluorescence spectrometry for elemental imaging in <i>Daphnia magna</i> . <i>Analytica Chimica Acta</i> , 2010, 664, 19-26.	2.6	66
125	Direct and transgenerational impact on <i>Daphnia magna</i> of chemicals with a known effect on DNA methylation. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 151, 278-285.	1.3	105
126	Assessment of species specificity of moulting accelerating compounds in Lepidoptera: comparison of activity between <i>Bombyx mori</i> and <i>Spodoptera littoralis</i> by in vitro reporter and in vivo toxicity assays. <i>Pest Management Science</i> , 2010, 66, 526-535.	1.7	17



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127	Comparison of the activity of non-steroidal ecdysone agonists between dipteran and lepidopteran insects, using cell-based EcR reporter assays. <i>Pest Management Science</i> , 2010, 66, 1215-1229.	1.7	36
128	Ecological significance of hazardous concentrations in a planktonic food web. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 247-253.	2.9	4
129	The micro-evolutionary potential of <i>Daphnia magna</i> population exposed to temperature and cadmium stress. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1114-1122.	2.9	25
130	Combined cadmium and temperature acclimation in <i>Daphnia magna</i> : Physiological and sub-cellular effects. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 735-742.	2.9	35
131	Can metal stress induce transferable changes in gene transcription in <i>Daphnia magna</i> ?. <i>Aquatic Toxicology</i> , 2010, 97, 188-195.	1.9	32
132	Element-to-tissue correlation in biological samples determined by three-dimensional X-ray imaging methods. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 544.	1.6	64
133	NANOINTERACT: A rational approach to the interaction between nanoscale materials and living matter?. <i>Journal of Physics: Conference Series</i> , 2009, 170, 012040.	0.3	1
134	Effects of Mg <sup>2+</sup> and H <sup>+</sup> on the toxicity of Ni <sup>2+</sup> to the unicellular green alga <i>Pseudokirchneriella subcapitata</i> : Model development and validation with surface waters. <i>Science of the Total Environment</i> , 2009, 407, 1901-1914.	3.9	72
135	Calcium accumulation and regulation in <i>Daphnia magna</i> : Links with feeding, growth and reproduction. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2009, 152, 53-57.	0.8	18
136	Potential contribution of organosilicon compounds to reduced leaching of biocides in wood protection. <i>Annals of Forest Science</i> , 2009, 66, 209-209.	0.8	13
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271	Acute toxicity tests using rotifers. III. Effects of temperature, strain, and exposure time on the sensitivity of <i>Brachionus plicatilis</i> . <i>Environmental Toxicology and Water Quality</i> , 1991, 6, 63-75.	0.7	54