

# Carlos Barata

## List of Publications by Year in descending order

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Version: 2024-02-01

211  
papers

8,757  
citations

31976

53  
h-index

62596

80  
g-index

218  
all docs

218  
docs citations

218  
times ranked

8683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress response markers in the blood of São Tomé green sea turtles ( <i>Chelonia mydas</i> ) and their relation with accumulated metal levels. <i>Environmental Pollution</i> , 2022, 293, 118490.	7.5	12
2	Phototactic behaviour and neurotransmitter profiles in two <i>Daphnia magna</i> clones: Vertical and horizontal responses to fish kairomones and psychotropic drugs. <i>Science of the Total Environment</i> , 2022, 830, 154684.	8.0	8
3	Characterization of neurotransmitters and related metabolites in <i>Daphnia magna</i> juveniles deficient in serotonin and exposed to neuroactive chemicals that affect its behavior: A targeted LC-MS/MS method. <i>Chemosphere</i> , 2021, 263, 127814.	8.2	19
4	Towards an innovative combined process coupling biodegradation and photooxidation for the removal of pharmaceutical residues. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 755-763.	3.2	17
5	<i>Asparagopsis armata</i> Exudate Cocktail: The Quest for the Mechanisms of Toxic Action of an Invasive Seaweed on Marine Invertebrates. <i>Biology</i> , 2021, 10, 223.	2.8	11
6	Combined targeted/untargeted analytical and chemometric approaches in the characterization of <i>Daphnia magna</i> metabolomic changes under bisphenol A exposure. <i>Microchemical Journal</i> , 2021, 165, 106150.	4.5	8
7	<i>Daphnia magna</i> Gut-Specific Transcriptomic Responses to Feeding Inhibiting Chemicals and Food Limitation. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2510-2520.	4.3	2
8	Improving water quality does not guarantee fish health: Effects of ammonia pollution on the behaviour of wild-caught pre-exposed fish. <i>PLoS ONE</i> , 2021, 16, e0243404.	2.5	18
9	Pharmacological Modulation of Behaviour, Serotonin and Dopamine Levels in <i>Daphnia magna</i> Exposed to the Monoamine Oxidase Inhibitor Deprenyl. <i>Toxics</i> , 2021, 9, 187.	3.7	7
10	Pharmacological modulation of fish-induced depth selection in <i>D. magna</i> : the role of cholinergic and GABAergic signalling. <i>Scientific Reports</i> , 2021, 11, 19407.	3.3	13
11	Effects of the antineoplastic drug cyclophosphamide on the biochemical responses of the mussel <i>Mytilus galloprovincialis</i> under different temperatures. <i>Environmental Pollution</i> , 2021, 288, 117735.	7.5	8
12	Aqueous stability and degradation of psychiatric and neuroactive compounds and its biological activity in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2021, 798, 149252.	8.0	11
13	Impacts of the Invasive Seaweed <i>Asparagopsis armata</i> Exudate on Energetic Metabolism of Rock Pool Invertebrates. <i>Toxins</i> , 2021, 13, 15.	3.4	11
14	Reduction of histamine and enhanced spinning behavior of <i>Daphnia magna</i> caused by <i>scarlet</i> mutant. <i>Genesis</i> , 2021, 59, e23403.	1.6	3
15	Exposure to heavy metal-contaminated sediments disrupts gene expression, lipid profile, and life history traits in the midge <i>Chironomus riparius</i> . <i>Water Research</i> , 2020, 168, 115165.	11.3	39
16	Summary of the special issue. <i>Science of the Total Environment</i> , 2020, 706, 134934.	8.0	0
17	Changes in lipid profiles induced by bisphenol A (BPA) in zebrafish eleutheroembryos during the yolk sac absorption stage. <i>Chemosphere</i> , 2020, 246, 125704.	8.2	28
18	Data Processing for RNA/DNA Sequencing. , 2020, , 507-514.		0

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19	Changes in lipid profiles in <i>Daphnia magna</i> individuals exposed to low environmental levels of neuroactive pharmaceuticals. <i>Science of the Total Environment</i> , 2020, 733, 139029.	8.0	15
20	Transcriptomic effects of tributyltin (TBT) in zebrafish eleutheroembryos. A functional benchmark dose analysis. <i>Journal of Hazardous Materials</i> , 2020, 398, 122881.	12.4	30
21	<i>Daphnia magna</i> responses to fish kairomone and chlorpromazine exposures. <i>Chemico-Biological Interactions</i> , 2020, 325, 109123.	4.0	11
22	A high-throughput assay for screening environmental pollutants and drugs impairing predator avoidance in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2020, 740, 140045.	8.0	29
23	Untargeted metabolomics changes on <i>Gammarus pulex</i> induced by propranolol, triclosan, and nimesulide pharmaceutical drugs. <i>Chemosphere</i> , 2020, 260, 127479.	8.2	15
24	Lethal and sub-lethal effects of nanosized titanium dioxide particles on <i>Hydropsyche exocellata</i> Dufour, 1841. <i>Aquatic Insects</i> , 2020, 41, 85-103.	0.9	5
25	Analysis of neurotransmitters in <i>Daphnia magna</i> affected by neuroactive pharmaceuticals using liquid chromatography-high resolution mass spectrometry. <i>Environmental Pollution</i> , 2019, 254, 113029.	7.5	19
26	Linking cholinesterase inhibition with behavioural changes in the sea snail <i>Gibbula umbilicalis</i> : Effects of the organophosphate pesticide chlorpyrifos. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 225, 108570.	2.6	12
27	Characterization of neurotransmitter profiles in <i>Daphnia magna</i> juveniles exposed to environmental concentrations of antidepressants and anxiolytic and antihypertensive drugs using liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5867-5876.	3.7	19
28	Ecotoxicology, Genetic. , 2019, , .		0
29	Effects of Single and Combined Low Concentrations of Neuroactive Drugs on <i>Daphnia magna</i> Reproduction and Transcriptomic Responses. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11979-11987.	10.0	16
30	Morphometric signatures of exposure to endocrine disrupting chemicals in zebrafish eleutheroembryos. <i>Aquatic Toxicology</i> , 2019, 214, 105232.	4.0	28
31	Comparison in the response of three European Gammarid species exposed to the growth regulator insecticide fenoxycarb. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11496-11502.	5.3	2
32	Unravelling the mechanisms of PFOS toxicity by combining morphological and transcriptomic analyses in zebrafish embryos. <i>Science of the Total Environment</i> , 2019, 674, 462-471.	8.0	51
33	Time-dependent transcriptomic responses of <i>Daphnia magna</i> exposed to metabolic disruptors that enhanced storage lipid accumulation.. <i>Environmental Pollution</i> , 2019, 249, 99-108.	7.5	17
34	Tryptophan hydroxylase (TRH) loss of function mutations in <i>Daphnia</i> deregulated growth, energetic, serotonergic and arachidonic acid metabolic signalling pathways. <i>Scientific Reports</i> , 2019, 9, 3693.	3.3	13
35	<i>Chironomus riparius</i> exposure to field-collected contaminated sediments: From subcellular effect to whole-organism response. <i>Science of the Total Environment</i> , 2019, 671, 874-882.	8.0	34
36	Analysis of 44 pharmaceuticals consumed by elderly using liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 168, 55-63.	2.8	27

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37	Development of predicted environmental concentrations to prioritize the occurrence of pharmaceuticals in rivers from Catalonia. <i>Science of the Total Environment</i> , 2019, 666, 57-67.	8.0	34
38	Using a new high-throughput video-tracking platform to assess behavioural changes in <i>Daphnia magna</i> exposed to neuro-active drugs. <i>Science of the Total Environment</i> , 2019, 662, 160-167.	8.0	48
39	Effects of carbamazepine and cetirizine under an ocean acidification scenario on the biochemical and transcriptome responses of the clam <i>Ruditapes philippinarum</i> . <i>Environmental Pollution</i> , 2018, 235, 857-868.	7.5	39
40	Chemometrics comparison of gas chromatography with mass spectrometry and comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry <i>Daphnia magna</i> metabolic profiles exposed to salinity. <i>Journal of Separation Science</i> , 2018, 41, 2368-2379.	2.5	13
41	Tryptophan hydroxylase (TRH) loss of function mutations induce growth and behavioral defects in <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2018, 8, 1518.	3.3	32
42	Effects of <i>Camellia sinensis</i> crude saponin on survival and biochemical markers of oxidative stress and multixenobiotic resistance of the Mediterranean mussel, <i>Mytilus galloprovincialis</i> . <i>Science of the Total Environment</i> , 2018, 625, 1467-1475.	8.0	9
43	Combined effects of insecticide exposure and predation risk on freshwater detritivores. <i>Ecotoxicology</i> , 2018, 27, 794-802.	2.4	6
44	Invasive Species Mediate Insecticide Effects on Community and Ecosystem Functioning. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4889-4900.	10.0	25
45	Toxicological Analysis of Acid Mine Drainage by Water Quality and Land Use Bioassays. <i>Mine Water and the Environment</i> , 2018, 37, 88-97.	2.0	14
46	Combined effects of salinity, temperature and hypoxia on <i>Daphnia magna</i> metabolism. <i>Science of the Total Environment</i> , 2018, 610-611, 602-612.	8.0	35
47	Dysregulatory effects of retinoic acid isomers in late zebrafish embryos. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3849-3859.	5.3	4
48	Pharmaceuticals released from senior residences: occurrence and risk evaluation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6095-6106.	5.3	24
49	Functional Data Analysis: Omics for Environmental Risk Assessment. <i>Comprehensive Analytical Chemistry</i> , 2018, , 583-611.	1.3	4
50	Dose-dependent transcriptomic responses of zebrafish eleutheroembryos to Bisphenol A. <i>Environmental Pollution</i> , 2018, 243, 988-997.	7.5	30
51	Fenoxycarb exposure disrupted the reproductive success of the amphipod <i>Gammarus fossarum</i> with limited effects on the lipid profile. <i>PLoS ONE</i> , 2018, 13, e0196461.	2.5	9
52	Allocation of glycerolipids and glycerophospholipids from adults to eggs in <i>Daphnia magna</i> : Perturbations by compounds that enhance lipid droplet accumulation. <i>Environmental Pollution</i> , 2018, 242, 1702-1710.	7.5	23
53	Effect of psychiatric drugs on <i>Daphnia magna</i> oxylipin profiles. <i>Science of the Total Environment</i> , 2018, 644, 1101-1109.	8.0	17
54	Differential gene transcription across the life cycle in <i>Daphnia magna</i> using a new all genome custom-made microarray. <i>BMC Genomics</i> , 2018, 19, 370.	2.8	21

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55	Omics in Zebrafish Teratogenesis. <i>Methods in Molecular Biology</i> , 2018, 1797, 421-441.	0.9	7
56	Antioxidant activity and lipid peroxidation in <i>Artemia</i> nauplii enriched with DHA-rich oil emulsion and the effect of adding an external antioxidant based on hydroxytyrosol. <i>Aquaculture Research</i> , 2017, 48, 1006-1019.	1.8	7
57	Integrated environmental risk assessment of chemical pollution in a Mediterranean floodplain by combining chemical and biological methods. <i>Science of the Total Environment</i> , 2017, 583, 248-256.	8.0	14
58	Fatty acid profile of the sea snail <i>Gibbula umbilicalis</i> as a biomarker for coastal metal pollution. <i>Science of the Total Environment</i> , 2017, 586, 542-550.	8.0	51
59	Toxic potential of organic constituents of submicron particulate matter (PM1) in an urban road site (Barcelona). <i>Environmental Science and Pollution Research</i> , 2017, 24, 15406-15415.	5.3	10
60	Validation of a two-generational reproduction test in <i>Daphnia magna</i> : An interlaboratory exercise. <i>Science of the Total Environment</i> , 2017, 579, 1073-1083.	8.0	29
61	Evolutionary consequences of historical metal contamination for natural populations of <i>Chironomus riparius</i> (Diptera: Chironomidae). <i>Ecotoxicology</i> , 2017, 26, 534-546.	2.4	15
62	Investigating heritability of cadmium tolerance in <i>Chironomus riparius</i> natural populations: A physiological approach. <i>Chemosphere</i> , 2017, 170, 83-94.	8.2	17
63	Biphasic modulation of neuro- and interrenal steroidogenesis in juvenile African sharptooth catfish ( <i>Clarias gariepinus</i> ) exposed to waterborne di-(2-ethylhexyl) phthalate. <i>General and Comparative Endocrinology</i> , 2017, 254, 22-37.	1.8	13
64	Energetic costs and biochemical biomarkers associated with esfenvalerate exposure in <i>Sericostoma vittatum</i> . <i>Chemosphere</i> , 2017, 189, 445-453.	8.2	24
65	The role of genetic diversity and past-history selection pressures in the susceptibility of <i>Chironomus riparius</i> populations to environmental stress. <i>Science of the Total Environment</i> , 2017, 576, 807-816.	8.0	17
66	Exposure to chlorantraniliprole affects the energy metabolism of the caddisfly <i>Sericostoma vittatum</i> . <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1584-1591.	4.3	29
67	Two-generational effects of contaminants in <i>Daphnia magna</i> : Effects of offspring quality. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1470-1477.	4.3	19
68	Use of a combined effect model approach for discriminating between ABCB1- and ABCC1-type efflux activities in native bivalve gill tissue. <i>Toxicology and Applied Pharmacology</i> , 2016, 297, 56-67.	2.8	10
69	Depressing Antidepressant: Fluoxetine Affects Serotonin Neurons Causing Adverse Reproductive Responses in <i>Daphnia magna</i> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 6000-6007.	10.0	60
70	Mechanisms of Action of Compounds That Enhance Storage Lipid Accumulation in <i>Daphnia magna</i> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 13565-13573.	10.0	23
71	Exploring the disruptive effects of TBT on lipid homeostasis of <i>Daphnia magna</i> using chemometric methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 159, 58-68.	3.5	6
72	Chloride and sulphate toxicity to <i>Hydropsyche exocellata</i> (Trichoptera, Hydropsychidae): Exploring intraspecific variation and sub-lethal endpoints. <i>Science of the Total Environment</i> , 2016, 566-567, 1032-1041.	8.0	21

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73	Toxicity assessment of atmospheric particulate matter in the Mediterranean and Black Seas open waters. <i>Science of the Total Environment</i> , 2016, 545-546, 163-170.	8.0	26
74	Behavioural responses of freshwater planarians after short-term exposure to the insecticide chlorantraniliprole. <i>Aquatic Toxicology</i> , 2016, 170, 371-376.	4.0	45
75	Metabolic profiling of <i>Daphnia magna</i> exposed to environmental stressors by GC-MS and chemometric tools. <i>Metabolomics</i> , 2016, 12, 1.	3.0	28
76	Induction of multixenobiotic defense mechanisms in resistant <i>Daphnia magna</i> clones as a general cellular response to stress. <i>Aquatic Toxicology</i> , 2016, 175, 132-143.	4.0	11
77	Compounds altering fat storage in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2016, 545-546, 127-136.	8.0	58
78	Low environmental levels of neuro-active pharmaceuticals alter phototactic behaviour and reproduction in <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2016, 170, 289-296.	4.0	107
79	Can salinity trigger cascade effects on streams? A mesocosm approach. <i>Science of the Total Environment</i> , 2016, 540, 3-10.	8.0	53
80	Ecological relevance of biomarkers in monitoring studies of macro-invertebrates and fish in Mediterranean rivers. <i>Science of the Total Environment</i> , 2016, 540, 307-323.	8.0	127
81	Endocrine Disruption in the Omics Era: New Views, New Hazards, New Approaches. <i>Open Biotechnology Journal</i> , 2016, 10, 20-35.	1.2	10
82	Obesogens beyond Vertebrates: Lipid Perturbation by Tributyltin in the Crustacean <i>Daphnia magna</i> . <i>Environmental Health Perspectives</i> , 2015, 123, 813-819.	6.0	88
83	Reviewing Biological Indices and Biomarkers Suitability to Analyze Human Impacts. <i>Emergent Tools to Analyze Biological Status in Rivers. Handbook of Environmental Chemistry</i> , 2015, , 249-268.	0.4	0
84	Life history and biochemical effects of chlorantraniliprole on <i>Chironomus riparius</i> . <i>Science of the Total Environment</i> , 2015, 508, 506-513.	8.0	83
85	Identification of compounds bound to suspended solids causing sub-lethal toxic effects in <i>Daphnia magna</i> . A field study on re-suspended particles during river floods in Ebro River. <i>Aquatic Toxicology</i> , 2015, 161, 41-50.	4.0	23
86	Effects of the antidepressant fluoxetine in spiked-sediments on developmental and reproductive features of the polychaetes <i>Capitella teleta</i> and <i>Capitella</i> sp A. <i>Ecotoxicology</i> , 2015, 24, 106-118.	2.4	8
87	Liquid chromatography coupled with tandem mass spectrometry to characterise trace levels of cyanobacteria and dinoflagellate toxins in suspended solids and sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1451-1462.	3.7	8
88	qRT-PCR evaluation of the transcriptional response of zebra mussel to heavy metals. <i>BMC Genomics</i> , 2015, 16, 354.	2.8	8
89	Differential embryotoxicity of the organic pollutants in rural and urban air particles. <i>Environmental Pollution</i> , 2015, 206, 535-542.	7.5	33
90	Sub-lethal toxicity of environmentally relevant concentrations of esfenvalerate to <i>Chironomus riparius</i> . <i>Environmental Pollution</i> , 2015, 207, 273-279.	7.5	36

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91	Degradation and toxicity of mitoxantrone and chlorambucil in water. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 633-640.	3.5	27
92	Transcriptomic, biochemical and individual markers in transplanted <i>Daphnia magna</i> to characterize impacts in the field. <i>Science of the Total Environment</i> , 2015, 503-504, 200-212.	8.0	15
93	First evidence for toxic defense based on the multixenobiotic resistance (MXR) mechanism in <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2014, 148, 139-151.	4.0	47
94	Decontamination of polycyclic aromatic hydrocarbons and nonylphenol from sewage sludge using hydroxypropyl- $\beta$ -cyclodextrin and evaluation of the toxicity of leachates. <i>Environmental Science and Pollution Research</i> , 2014, 21, 507-517.	5.3	29
95	Separating natural from anthropogenic causes of impairment in Zebra mussel ( <i>Dreissena polymorpha</i> ) populations living across a pollution gradient. <i>Aquatic Toxicology</i> , 2014, 152, 82-95.	4.0	23
96	Toxic assessment of urban atmospheric particle-bound PAHs: Relevance of composition and particle size in Barcelona (Spain). <i>Environmental Pollution</i> , 2014, 184, 555-562.	7.5	64
97	Attenuation of emerging organic contaminants in a hybrid constructed wetland system under different hydraulic loading rates and their associated toxicological effects in wastewater. <i>Science of the Total Environment</i> , 2014, 470-471, 1272-1280.	8.0	117
98	Transcriptomic response of zebrafish embryos to polyaminoamine (PAMAM) dendrimers. <i>Nanotoxicology</i> , 2014, 8, 92-99.	3.0	22
99	The use of cholinesterase as potential biomarker: In vitro characterization in the polychaete <i>Capitella teleta</i> . <i>Marine Pollution Bulletin</i> , 2014, 85, 179-185.	5.0	9
100	Toxicity of atmospheric particle-bound PAHs: an environmental perspective. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11623-11633.	5.3	33
101	Occurrence, elimination, and risk of anticoagulant rodenticides and drugs during wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7194-7203.	5.3	34
102	Oxidative stress effects of titanium dioxide nanoparticle aggregates in zebrafish embryos. <i>Science of the Total Environment</i> , 2014, 470-471, 379-389.	8.0	68
103	Effects of Barcelona harbor sediments in biological responses of the polychaete <i>Capitella teleta</i> . <i>Science of the Total Environment</i> , 2014, 485-486, 545-553.	8.0	13
104	Identification of Metabolic Pathways in <i>Daphnia magna</i> Explaining Hormetic Effects of Selective Serotonin Reuptake Inhibitors and 4-Nonylphenol Using Transcriptomic and Phenotypic Responses. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9434-9443.	10.0	66
105	Priority and emerging flame retardants in rivers: Occurrence in water and sediment, <i>Daphnia magna</i> toxicity and risk assessment. <i>Environment International</i> , 2013, 59, 232-243.	10.0	262
106	Heavy metal content in oysters ( <i>Crassostrea gigas</i> ) cultured in the Ebro Delta in Catalonia, Spain. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 6783-6792.	2.7	17
107	Special issue on long-term ecotoxicological effects: an introduction. <i>Ecotoxicology</i> , 2013, 22, 763-766.	2.4	26
108	Genetic and phenotypic differentiation of zebra mussel populations colonizing Spanish river basins. <i>Ecotoxicology</i> , 2013, 22, 915-928.	2.4	11



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109	Bioaccumulation and effects of perfluorinated compounds (PFCs) in zebra mussels ( <i>Dreissena</i> ) Tj ETQq1 1 0.784314.rgBT /Oyerlock 10	5.3	37
110	Transcriptomic seasonal variations in a natural population of zebra mussel ( <i>Dreissena polymorpha</i> ). <i>Science of the Total Environment</i> , 2013, 454-455, 482-489.	8.0	13
111	Responses of B-esterase enzymes in oysters ( <i>Crassostrea gigas</i> ) transplanted to pesticide contaminated bays from the Ebro Delta (NE, Spain). <i>Marine Pollution Bulletin</i> , 2013, 66, 135-142.	5.0	15
112	Effects of nanoparticles of TiO <sub>2</sub> on food depletion and life-history responses of <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2013, 130-131, 174-183.	4.0	57
113	Effects of the pharmaceutical fluoxetine in spiked-sediments on feeding activity and growth of the polychaete <i>Capitella teleta</i> . <i>Marine Environmental Research</i> , 2013, 89, 76-82.	2.5	24
114	Modeling mixtures of thyroid gland function disruptors in a vertebrate alternative model, the zebrafish <i>eleutheroembryo</i> . <i>Toxicology and Applied Pharmacology</i> , 2013, 269, 169-175.	2.8	11
115	Organic carbon content effects on bioavailability of pyrethroid insecticides and validation of Solid Phase Extraction with Poly (2,6-diphenyl-p-phenylene oxide) Polymer by <i>Daphnia magna</i> toxicity tests. <i>Science of the Total Environment</i> , 2013, 442, 497-502.	8.0	14
116	Retinoic acid receptors <sup>™</sup> expression and function during zebrafish early development. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 143-151.	2.5	24
117	The combined use of metrics of biological quality and biomarkers to detect the effects of reclaimed water on macroinvertebrate assemblages in the lower part of a polluted Mediterranean river (Llobregat River, NE Spain). <i>Ecological Indicators</i> , 2013, 24, 167-176.	6.3	26
118	Deciphering Emerging Toxicological Effects of Pharmaceuticals on Aquatic Organisms by Using <i>Daphnia magna</i> and <i>Danio rerio</i> as Model Organisms. <i>Comprehensive Analytical Chemistry</i> , 2013, 62, 611-647.	1.3	7
119	Human Pressure and Its Effects on Water Quality and Biota in the Llobregat River. <i>Handbook of Environmental Chemistry</i> , 2012, , 297-325.	0.4	7
120	Mechanisms of Action of Selective Serotonin Reuptake Inhibitors in <i>Daphnia magna</i> . <i>Environmental Science &amp; Technology</i> , 2012, 46, 2943-2950.	10.0	75
121	Are pesticide residues associated to rice production affecting oyster production in Delta del Ebro, NE Spain?. <i>Science of the Total Environment</i> , 2012, 437, 209-218.	8.0	24
122	Low environmental levels of fluoxetine induce spawning and changes in endogenous estradiol levels in the zebra mussel <i>Dreissena polymorpha</i> . <i>Aquatic Toxicology</i> , 2012, 106-107, 123-130.	4.0	75
123	Enhanced offspring production in <i>Daphnia magna</i> clones exposed to serotonin reuptake inhibitors and 4-nonylphenol. Stage- and food-dependent effects. <i>Aquatic Toxicology</i> , 2012, 109, 100-110.	4.0	57
124	Abcb and Abcc transporter homologs are expressed and active in larvae and adults of zebra mussel and induced by chemical stress. <i>Aquatic Toxicology</i> , 2012, 122-123, 144-152.	4.0	39
125	A System for the Detection of Pigment Network in Dermoscopy Images Using Directional Filters. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2744-2754.	4.2	104
126	Environmental hazards of pesticides from pineapple crop production in the R�o Jim�nez watershed (Caribbean Coast, Costa Rica). <i>Science of the Total Environment</i> , 2012, 440, 106-114.	8.0	55



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127	Advances in the Multibiomarker Approach for Risk Assessment in Aquatic Ecosystems. Handbook of Environmental Chemistry, 2012, , 147-179.	0.4	11
128	Population Growth Rate Responses of <i>Ceriodaphnia dubia</i> to Ternary Mixtures of Specific Acting Chemicals: Pharmacological versus Ecotoxicological Modes of Action. Environmental Science & Technology, 2012, 46, 9663-9672.	10.0	15
129	Evaluating Ecological Integrity in Multistressed Rivers: From the Currently Used Biotic Indices to Newly Developed Approaches Using Biofilms and Invertebrates. Handbook of Environmental Chemistry, 2012, , 219-241.	0.4	2
130	Zebrafish Eleutheroembryos Provide a Suitable Vertebrate Model for Screening Chemicals that Impair Thyroid Hormone Synthesis. Environmental Science & Technology, 2011, 45, 7525-7532.	10.0	85
131	Characterization of the multixenobiotic resistance (MXR) mechanism in embryos and larvae of the zebra mussel ( <i>Dreissena polymorpha</i> ) and studies on its role in tolerance to single and mixture combinations of toxicants. Aquatic Toxicology, 2011, 101, 78-87.	4.0	72
132	A genomic and ecotoxicological perspective of DNA array studies in aquatic environmental risk assessment. Aquatic Toxicology, 2011, 105, 40-49.	4.0	67
133	Multi-biochemical responses of benthic macroinvertebrate species as a complementary tool to diagnose the cause of community impairment in polluted rivers. Water Research, 2011, 45, 3599-3613.	11.3	57
134	Disrupting Effects of Single and Combined Emerging Pollutants on Thyroid Gland Function. Handbook of Environmental Chemistry, 2011, , 415-433.	0.4	0
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