

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	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
2	Role of B-esterases in assessing toxicity of organophosphorus (chlorpyrifos, malathion) and carbamate (carbofuran) pesticides to <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2004, 66, 125-139.	4.0	230
3	Antioxidant enzyme activities and lipid peroxidation in the freshwater cladoceran <i>Daphnia magna</i> exposed to redox cycling compounds. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2005, 140, 175-186.	2.6	208
4	Micro-evolution due to pollution: Possible consequences for ecosystem responses to toxic stress. <i>Chemosphere</i> , 2007, 67, 2105-2114.	8.2	202
5	Toxicity of binary mixtures of metals and pyrethroid insecticides to <i>Daphnia magna</i> Straus. Implications for multi-substance risks assessment. <i>Aquatic Toxicology</i> , 2006, 78, 1-14.	4.0	187
6	Acute toxicity of cerium oxide, titanium oxide and iron oxide nanoparticles using standardized tests. <i>Desalination</i> , 2011, 269, 136-141.	8.2	187
7	Trace metal concentration, antioxidant enzyme activities and susceptibility to oxidative stress in the tricoptera larvae <i>Hydropsyche exocellata</i> from the Llobregat river basin (NE Spain). <i>Aquatic Toxicology</i> , 2005, 74, 3-19.	4.0	149
8	Determining the ecotoxicological mode of action of chemicals from measurements made on individuals: results from instar-based tests with <i>Daphnia magna</i> Straus. <i>Aquatic Toxicology</i> , 2000, 48, 195-209.	4.0	145
9	Influence of genetic and environmental factors on the tolerance of <i>Daphnia magna</i> Straus to essential and non-essential metals.. <i>Aquatic Toxicology</i> , 1998, 42, 115-137.	4.0	138
10	Accumulation and Cycling of Polycyclic Aromatic Hydrocarbons in Zooplankton. <i>Environmental Science & Technology</i> , 2009, 43, 2295-2301.	10.0	134
11	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
12	Changes in antioxidant enzyme activities, fatty acid composition and lipid peroxidation in <i>Daphnia magna</i> during the aging process. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 140, 81-90.	1.6	125
13	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
14	<i>Procambarus clarkii</i> as a bioindicator of heavy metal pollution sources in the lower Ebro River and Delta. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 280-286.	6.0	114
15	Single and combined toxicity of pharmaceuticals and personal care products (PPCPs) on the rainbow trout liver cell line RTL-W1. <i>Aquatic Toxicology</i> , 2009, 93, 244-252.	4.0	109
16	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
17	COMBINED USE OF BIOMARKERS AND IN SITU BIOASSAYS IN DAPHNIA MAGNA TO MONITOR ENVIRONMENTAL HAZARDS OF PESTICIDES IN THE FIELD. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 370.	4.3	106
18	Analysis of 17 polar to semi-polar pesticides in the Ebro river delta during the main growing season of rice by automated on-line solid-phase extraction-liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2008, 75, 390-401.	5.5	104

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19	A System for the Detection of Pigment Network in Dermoscopy Images Using Directional Filters. IEEE Transactions on Biomedical Engineering, 2012, 59, 2744-2754.	4.2	104
20	PREDICTING SINGLE AND MIXTURE TOXICITY OF PETROGENIC POLYCYCLIC AROMATIC HYDROCARBONS TO THE COPEPOD OITHONA DAVISAE. Environmental Toxicology and Chemistry, 2005, 24, 2992.	4.3	103
21	Contaminant accumulation and multi-biomarker responses in field collected zebra mussels (<i>Dreissena</i>) Tj ETQq1 1 0.784314 rgBT /Ov hazardous dumps in the Ebro river (NE Spain). Chemosphere, 2010, 78, 232-240.	8.2	96
22	Age- and Sex-Related Variation in Sensitivity to the Pyrethroid Cypermethrin in the Marine Copepod <i>Acartia tonsa</i> Dana. Archives of Environmental Contamination and Toxicology, 2002, 42, 17-22.	4.1	95
23	Obesogens beyond Vertebrates: Lipid Perturbation by Tributyltin in the Crustacean <i>Daphnia magna</i> . Environmental Health Perspectives, 2015, 123, 813-819.	6.0	88
24	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
25	Phenotypic plasticity and constancy of life-history traits in laboratory clones of <i>Daphnia magna</i> Straus: effects of neonatal length. Functional Ecology, 1998, 12, 442-452.	3.6	83
26	Life history and biochemical effects of chlorantraniliprole on <i>Chironomus riparius</i> . Science of the Total Environment, 2015, 508, 506-513.	8.0	83
27	The relative importance of water and food as cadmium sources to <i>Daphnia magna</i> Straus. Aquatic Toxicology, 2002, 61, 143-154.	4.0	82
28	Among- and within- population variability in tolerance to cadmium stress in natural populations of <i>Daphnia magna</i> : Implications for ecological risk assessment. Environmental Toxicology and Chemistry, 2002, 21, 1058-1064.	4.3	77
29	Mechanisms of Action of Selective Serotonin Reuptake Inhibitors in <i>Daphnia magna</i> . Environmental Science & Technology, 2012, 46, 2943-2950.	10.0	75
30	Low environmental levels of fluoxetine induce spawning and changes in endogenous estradiol levels in the zebra mussel <i>Dreissena polymorpha</i> . Aquatic Toxicology, 2012, 106-107, 123-130.	4.0	75
31	A <i>Daphnia magna</i> feeding bioassay as a cost effective and ecological relevant sublethal toxicity test for Environmental Risk Assessment of toxic effluents. Science of the Total Environment, 2008, 405, 78-86.	8.0	74
32	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
33	Transcriptional response of stress genes to metal exposure in zebra mussel larvae and adults. Environmental Pollution, 2011, 159, 100-107.	7.5	72
34	Combined use of <i>Daphnia magna</i> in situ bioassays, biomarkers and biological indices to diagnose and identify environmental pressures on invertebrate communities in two Mediterranean urbanized and industrialized rivers (NE Spain). Aquatic Toxicology, 2008, 87, 310-320.	4.0	70
35	Oxidative stress effects of titanium dioxide nanoparticle aggregates in zebrafish embryos. Science of the Total Environment, 2014, 470-471, 379-389.	8.0	68
36	Physiological responses to mercury in feral carp populations inhabiting the low Ebro River (NE Spain), a historically contaminated site. Aquatic Toxicology, 2009, 93, 150-157.	4.0	67

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37	A genomic and ecotoxicological perspective of DNA array studies in aquatic environmental risk assessment. <i>Aquatic Toxicology</i> , 2011, 105, 40-49.	4.0	67
38	Multi-biomarker responses in the freshwater mussel <i>Dreissena polymorpha</i> exposed to polychlorobiphenyls and metals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 149, 281-288.	2.6	66
39	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 & Technology</i> , 2013, 47, 9434-9443.	10.0	66
40	Experimental Designs to Assess Endocrine Disrupting Effects in Invertebrates A Review. <i>Ecotoxicology</i> , 2004, 13, 511-517.	2.4	65
41	Lethal and sublethal effects of naphthalene and 1,2-dimethylnaphthalene on naupliar and adult stages of the marine cyclopoid copepod <i>Oithona davisae</i> . <i>Environmental Pollution</i> , 2009, 157, 1219-1226.	7.5	65
42	Patterns of mercury and methylmercury bioaccumulation in fish species downstream of a long-term mercury-contaminated site in the lower Ebro River (NE Spain). <i>Chemosphere</i> , 2011, 84, 1642-1649.	8.2	64
43	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
44	Depressing Antidepressant: Fluoxetine Affects Serotonin Neurons Causing Adverse Reproductive Responses in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2016, 50, 6000-6007.	10.0	60
45	Genetic variability in sublethal tolerance to mixtures of cadmium and zinc in clones of <i>Daphnia magna</i> Straus. <i>Aquatic Toxicology</i> , 2002, 60, 85-99.	4.0	58
46	Lethal and sublethal effects of naphthalene and 1,2-dimethylnaphthalene on the marine copepod <i>Paracartia grani</i> . <i>Marine Biology</i> , 2007, 151, 195-204.	1.5	58
47	Compounds altering fat storage in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2016, 545-546, 127-136.	8.0	58
48	Multi-biochemical responses of benthic macroinvertebrate species as a complementary tool to diagnose the cause of community impairment in polluted rivers. <i>Water Research</i> , 2011, 45, 3599-3613.	11.3	57
49	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
50	Effects of nanoparticles of TiO ₂ on food depletion and life-history responses of <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2013, 130-131, 174-183.	4.0	57
51	Do genotype responses always converge from lethal to nonlethal toxicant exposure levels? Hypothesis tested using clones of <i>Daphnia magna</i> Straus. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2314-2322.	4.3	56
52	Identifying major pesticides affecting bivalve species exposed to agricultural pollution using multi-biomarker and multivariate methods. <i>Ecotoxicology</i> , 2010, 19, 1084-1094.	2.4	56
53	Screening of perfluorinated chemicals (PFCs) in various aquatic organisms. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1447-1456.	3.7	55
54	Environmental hazards of pesticides from pineapple crop production in the Río Jiménez watershed (Caribbean Coast, Costa Rica). <i>Science of the Total Environment</i> , 2012, 440, 106-114.	8.0	55

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55	Can salinity trigger cascade effects on streams? A mesocosm approach. <i>Science of the Total Environment</i> , 2016, 540, 3-10.	8.0	53
56	Biogeography of the genus <i>Artemia</i> (Crustacea, Branchiopoda, Anostraca) in Spain. <i>International Journal of Salt Lake Research</i> , 1994, 3, 175-190.	0.1	51
57	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
58	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
59	Biochemical mechanisms of resistance in <i>Daphnia magna</i> exposed to the insecticide fenitrothion. <i>Chemosphere</i> , 2007, 70, 74-82.	8.2	50
60	Determining the ecotoxicological mode of action of toxic chemicals in meiobenthic marine organisms: stage-specific short tests with <i>Tisbe battagliai</i> . <i>Marine Ecology - Progress Series</i> , 2002, 230, 183-194.	1.9	50
61	Biochemical Factors Contributing to Response Variation among Resistant and Sensitive Clones of <i>Daphnia magna</i> Straus Exposed to Ethyl parathion. <i>Ecotoxicology and Environmental Safety</i> , 2001, 49, 155-163.	6.0	49
62	Identification of water soluble and particle bound compounds causing sublethal toxic effects. A field study on sediments affected by a chlor-alkali industry. <i>Aquatic Toxicology</i> , 2009, 94, 16-27.	4.0	49
63	Evaluation of side-effects of glyphosate mediated control of giant reed (<i>Arundo donax</i>) on the structure and function of a nearby Mediterranean river ecosystem. <i>Environmental Research</i> , 2010, 110, 556-564.	7.5	48
64	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
65	Genetic costs of tolerance to metals in <i>Daphnia longispina</i> populations historically exposed to a copper mine drainage. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 939-946.	4.3	47
66	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
67	Determining Genetic Variability in the Distribution of Sensitivities to Toxic Stress among and within Field Populations of <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2002, 36, 3045-3049.	10.0	46
68	Static-renewal culture of <i>Acartia tonsa</i> (Copepoda: Calanoida) for ecotoxicological testing. <i>Aquaculture</i> , 2004, 229, 203-213.	3.5	46
69	Comparing the response of biochemical indicators (biomarkers) and biological indices to diagnose the ecological impact of an oil spillage in a Mediterranean river (NE Catalunya, Spain). <i>Chemosphere</i> , 2007, 66, 1206-1216.	8.2	46
70	Are pharmaceuticals more harmful than other pollutants to aquatic invertebrate species: A hypothesis tested using multi-biomarker and multi-species responses in field collected and transplanted organisms. <i>Chemosphere</i> , 2011, 85, 1548-1554.	8.2	46
71	An introduction to evolutionary processes in ecotoxicology. <i>Ecotoxicology</i> , 2011, 20, 493-496.	2.4	45
72	Behavioural responses of freshwater planarians after short-term exposure to the insecticide chlorantraniliprole. <i>Aquatic Toxicology</i> , 2016, 170, 371-376.	4.0	45

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73	Comparing population response to contaminants between laboratory and field: an approach using <i>Daphnia magna</i> egg banks. <i>Functional Ecology</i> , 2000, 14, 513-523.	3.6	44
74	Life-history consequences of adaptation to pollution. <i>Daphnia longispina</i> clones historically exposed to copper. <i>Ecotoxicology</i> , 2011, 20, 552-562.	2.4	44
75	DEMOGRAPHIC RESPONSES OF A TROPICAL CLADOCERAN TO CADMIUM: EFFECTS OF FOOD SUPPLY AND DENSITY. <i>Journal of Great Lakes Research</i> , 2002, 28, 552-564.		43
76	Stress in Ecological Systems. <i>Oikos</i> , 1999, 86, 179.	2.7	42
77	Endocrine-Disrupting Compounds in Wastewater, Sludge-Treatment Processes, and Receiving Waters: Overview. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2004, 8, 39-56.	0.4	40
78	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
79	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
80	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
81	Competition between sexual and parthenogenetic <i>Artemia</i> : temperature and strain effects. <i>Journal of Experimental Marine Biology and Ecology</i> , 1996, 196, 313-328.	1.5	38
82	Bioaccumulation and effects of perfluorinated compounds (PFCs) in zebra mussels (<i>Dreissena polymorpha</i>). <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1070-1078.	5.3	37
83	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
84	Phenotypic plasticity in <i>Daphnia magna</i> Straus: variable maturation instar as an adaptive response to predation pressure. <i>Oecologia</i> , 2001, 129, 220-227.	2.0	35
85	Determining Demographic Effects of Cypermethrin in the Marine Copepod <i>Acartia tonsa</i> : Stage-Specific Short Tests Versus Life-Table Tests. <i>Archives of Environmental Contamination and Toxicology</i> , 2002, 43, 373-378.	4.1	35
86	Life-history responses of <i>Daphnia magna</i> Straus to binary mixtures of toxic substances: Pharmacological versus ecotoxicological modes of action. <i>Aquatic Toxicology</i> , 2007, 84, 439-449.	4.0	35
87	Blood biomarkers and contaminant levels in feathers and eggs to assess environmental hazards in heron nestlings from impacted sites in Ebro basin (NE Spain). <i>Environmental Pollution</i> , 2010, 158, 704-710.	7.5	35
88	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
89	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
90	<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

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91	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
92	Toxicity of atmospheric particle-bound PAHs: an environmental perspective. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11623-11633.	5.3	33
93	Differential embryotoxicity of the organic pollutants in rural and urban air particles. <i>Environmental Pollution</i> , 2015, 206, 535-542.	7.5	33
94	First evidence of polybrominated diphenyl ether (flame retardants) effects in feral barbel from the Ebro River basin (NE, Spain). <i>Chemosphere</i> , 2008, 73, 56-64.	8.2	32
95	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
96	Effects of cypermethrin on marine plankton communities: a simulated field study using mesocosms. <i>Ecotoxicology and Environmental Safety</i> , 2004, 58, 236-245.	6.0	31
97	Comparative toxicity of single and combined mixtures of selected pollutants among larval stages of the native freshwater mussels (<i>Unio elongatulus</i>) and the invasive zebra mussel (<i>Dreissena</i>) Tj ETQq1 1 0.784314 rgb / Overlay 10 TFS	10.784314	30
98	Dose-dependent transcriptomic responses of zebrafish eleutheroembryos to Bisphenol A. <i>Environmental Pollution</i> , 2018, 243, 988-997.	7.5	30
99	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
100	Decontamination of polycyclic aromatic hydrocarbons and nonylphenol from sewage sludge using hydroxypropyl- β -cyclodextrin and evaluation of the toxicity of leachates. <i>Environmental Science and Pollution Research</i> , 2014, 21, 507-517.	5.3	29
101	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
102	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
103	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
104	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
105	Morphometric signatures of exposure to endocrine disrupting chemicals in zebrafish eleutheroembryos. <i>Aquatic Toxicology</i> , 2019, 214, 105232.	4.0	28
106	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
107	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
108	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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109	Comparing Metal Toxicity Among <i>Daphnia magna</i> Clones: An Approach Using Concentration-Time-Response Surfaces. <i>Archives of Environmental Contamination and Toxicology</i> , 1999, 37, 326-331.	4.1	26
110	Special issue on long-term ecotoxicological effects: an introduction. <i>Ecotoxicology</i> , 2013, 22, 763-766.	2.4	26
111	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
112	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
113	Invasive Species Mediate Insecticide Effects on Community and Ecosystem Functioning. <i>Environmental Science & Technology</i> , 2018, 52, 4889-4900.	10.0	25
114	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
115	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
116	Retinoic acid receptors TM expression and function during zebrafish early development. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 143-151.	2.5	24
117	Energetic costs and biochemical biomarkers associated with esfenvalerate exposure in <i>Sericostoma vittatum</i> . <i>Chemosphere</i> , 2017, 189, 445-453.	8.2	24
118	Pharmaceuticals released from senior residences: occurrence and risk evaluation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6095-6106.	5.3	24
119	A Mediterranean Origin for the Veldrif (South Africa) <i>Artemia</i> Leach Population. <i>Journal of Biogeography</i> , 1995, 22, 49.	3.0	23
120	Demographic parameters of sexual and parthenogenetic <i>Artemia</i> : temperature and strain effects. <i>Journal of Experimental Marine Biology and Ecology</i> , 1996, 196, 329-340.	1.5	23
121	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
122	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
123	Mechanisms of Action of Compounds That Enhance Storage Lipid Accumulation in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2016, 50, 13565-13573.	10.0	23
124	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
125	Integrated biological and chemical analysis of organochlorine compound pollution and of its biological effects in a riverine system downstream the discharge point. <i>Science of the Total Environment</i> , 2010, 408, 5592-5599.	8.0	22
126	Transcriptomic response of zebrafish embryos to polyaminoamine (PAMAM) dendrimers. <i>Nanotoxicology</i> , 2014, 8, 92-99.	3.0	22

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127	Aquatic ecotoxicity of a pheromonal antagonist in <i>Daphnia magna</i> and <i>Desmodesmus subspicatus</i> . <i>Aquatic Toxicology</i> , 2006, 79, 296-303.	4.0	21
128	Ecotoxicological effects of rice field waters on selected planktonic species: comparison between conventional and organic farming. <i>Ecotoxicology</i> , 2010, 19, 1523-1535.	2.4	21
129	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
130	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
131	Among- and within-population variability in tolerance to cadmium stress in natural populations of <i>Daphnia magna</i> : implications for ecological risk assessment. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1058-64.	4.3	20
132	Are native naiads more tolerant to pollution than exotic freshwater bivalve species? An hypothesis tested using physiological responses of three species transplanted to mercury contaminated sites in the Ebro River (NE, Spain). <i>Chemosphere</i> , 2010, 81, 1218-1226.	8.2	19
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