

Carlos Barata

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.

208 papers	6,984 citations	49 h-index	72 g-index
218 ext. papers	7,788 ext. citations	6.1 avg, IF	5.99 L-index

#	Paper	IF	Citations
208	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, 125-39	5.1	209
207	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, 232-43	12.9	206
206	Micro-evolution due to pollution: possible consequences for ecosystem responses to toxic stress. <i>Chemosphere</i> , 2007 , 67, 2105-14	8.4	170
205	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	5.1	164
204	Acute toxicity of cerium oxide, titanium oxide and iron oxide nanoparticles using standardized tests. <i>Desalination</i> , 2011 , 269, 136-141	10.3	157
203	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, 175-86	3.2	146
202	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	5.1	132
201	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	5.1	131
200	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	5.1	124
199	Accumulation and cycling of polycyclic aromatic hydrocarbons in zooplankton. <i>Environmental Science & Technology</i> , 2009 , 43, 2295-301	10.3	115
198	Ecological relevance of biomarkers in monitoring studies of macro-invertebrates and fish in Mediterranean rivers. <i>Science of the Total Environment</i> , 2016 , 540, 307-23	10.2	109
197	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	2.3	107
196	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, 1272-80	10.2	101
195	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, 244-52	5.1	93
194	Combined use of biomarkers and in situ bioassays in <i>Daphnia magna</i> to monitor environmental hazards of pesticides in the field. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 370-9	3.8	93
193	<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, 280-6	7	92
192	A system for the detection of pigment network in dermoscopy images using directional filters. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 2744-54	5	90

191	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	6.2	90
190	Predicting single and mixture toxicity of petrogenic polycyclic aromatic hydrocarbons to the copepod <i>Oithona davisae</i> . <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2992-9	3.8	84
189	Contaminant accumulation and multi-biomarker responses in field collected zebra mussels (<i>Dreissena polymorpha</i>) and crayfish (<i>Procambarus clarkii</i>), to evaluate toxicological effects of industrial hazardous dumps in the Ebro river (NE Spain). <i>Chemosphere</i> , 2010 , 78, 232-40	8.4	81
188	Age- and sex-related variation in sensitivity to the pyrethroid cypermethrin in the marine copepod <i>Acartia tonsa</i> Dana. <i>Archives of Environmental Contamination and Toxicology</i> , 2002 , 42, 17-22	3.2	80
187	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	5.1	74
186	Zebrafish eleutheroembryos provide a suitable vertebrate model for screening chemicals that impair thyroid hormone synthesis. <i>Environmental Science & Technology</i> , 2011 , 45, 7525-32	10.3	73
185	The relative importance of water and food as cadmium sources to <i>Daphnia magna</i> Straus. <i>Aquatic Toxicology</i> , 2002 , 61, 143-54	5.1	69
184	Obesogens beyond Vertebrates: Lipid Perturbation by Tributyltin in the Crustacean <i>Daphnia magna</i> . <i>Environmental Health Perspectives</i> , 2015 , 123, 813-9	8.4	68
183	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, 1058-1064	3.8	68
182	Life history and biochemical effects of chlorantraniliprole on <i>Chironomus riparius</i> . <i>Science of the Total Environment</i> , 2015 , 508, 506-13	10.2	65
181	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. <i>Aquatic Toxicology</i> , 2011 , 101, 78-87	5.1	65
180	A genomic and ecotoxicological perspective of DNA array studies in aquatic environmental risk assessment. <i>Aquatic Toxicology</i> , 2011 , 105, 40-9	5.1	65
179	Phenotypic plasticity and constancy of life-history traits in laboratory clones of <i>Daphnia magna</i> Straus: effects of neonatal length. <i>Functional Ecology</i> , 1998 , 12, 442-452	5.6	65
178	A <i>Daphnia magna</i> feeding bioassay as a cost effective and ecological relevant sublethal toxicity test for Environmental Risk Assessment of toxic effluents. <i>Science of the Total Environment</i> , 2008 , 405, 78-86	10.2	64
177	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). <i>Aquatic Toxicology</i> , 2008 , 87, 310-20	5.1	63
176	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, 123-30	5.1	62
175	Mechanisms of action of selective serotonin reuptake inhibitors in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2012 , 46, 2943-50	10.3	60
174	Physiological responses to mercury in feral carp populations inhabiting the low Ebro River (NE Spain), a historically contaminated site. <i>Aquatic Toxicology</i> , 2009 , 93, 150-7	5.1	60

173	Oxidative stress effects of titanium dioxide nanoparticle aggregates in zebrafish embryos. <i>Science of the Total Environment</i> , 2014 , 470-471, 379-89	10.2	59
172	Transcriptional response of stress genes to metal exposure in zebra mussel larvae and adults. <i>Environmental Pollution</i> , 2011 , 159, 100-107	9.3	59
171	Experimental designs to assess endocrine disrupting effects in invertebrates. A review. <i>Ecotoxicology</i> , 2004 , 13, 511-7	2.9	58
170	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, 1642-9	8.4	56
169	Toxic assessment of urban atmospheric particle-bound PAHs: relevance of composition and particle size in Barcelona (Spain). <i>Environmental Pollution</i> , 2014 , 184, 555-62	9.3	55
168	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, 1219-26	9.3	54
167	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	3.8	54
166	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, 281-8	3.2	53
165	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, 9434-43	10.3	52
164	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, 3599-613	12.5	52
163	Identifying major pesticides affecting bivalve species exposed to agricultural pollution using multi-biomarker and multivariate methods. <i>Ecotoxicology</i> , 2010 , 19, 1084-94	2.9	52
162	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	2.5	51
161	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, 174-83	5.1	50
160	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	5.1	50
159	Screening of perfluorinated chemicals (PFCs) in various aquatic organisms. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1447-56	4.4	47
158	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	5.1	46
157	Compounds altering fat storage in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2016 , 545-546, 127-132	13.6	45
156	Static-renewal culture of <i>Acartia tonsa</i> (Copepoda: Calanoida) for ecotoxicological testing. <i>Aquaculture</i> , 2004 , 229, 203-213	4.4	45

155	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, 100-10	5.1	44
154	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, 1206-16	8.4	43
153	Biochemical factors contributing to response variation among resistant and sensitive clones of <i>Daphnia magna</i> exposed to ethyl parathion. <i>Ecotoxicology and Environmental Safety</i> , 2001 , 49, 155-63	7	42
152	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, 1548-54	8.4	41
151	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, 939-46	3.8	41
150	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, 3045-9	10.3	41
149	Can salinity trigger cascade effects on streams? A mesocosm approach. <i>Science of the Total Environment</i> , 2016 , 540, 3-10	10.2	40
148	Biochemical mechanisms of resistance in <i>Daphnia magna</i> exposed to the insecticide fenitrothion. <i>Chemosphere</i> , 2007 , 70, 74-82	8.4	40
147	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	2.6	40
146	Environmental hazards of pesticides from pineapple crop production in the R� Jim�ez watershed (Caribbean Coast, Costa Rica). <i>Science of the Total Environment</i> , 2012 , 440, 106-14	10.2	39
145	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, 556-64	7.9	39
144	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, 144-52	5.1	38
143	Depressing Antidepressant: Fluoxetine Affects Serotonin Neurons Causing Adverse Reproductive Responses in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2016 , 50, 6000-7	10.3	38
142	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	10.2	37
141	First evidence for toxic defense based on the multixenobiotic resistance (MXR) mechanism in <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2014 , 148, 139-51	5.1	37
140	Life-history consequences of adaptation to pollution. "Daphnia longispina clones historically exposed to copper". <i>Ecotoxicology</i> , 2011 , 20, 552-62	2.9	37
139	An introduction to evolutionary processes in ecotoxicology. <i>Ecotoxicology</i> , 2011 , 20, 493-6	2.9	35
138	Biogeography of the genus <i>Artemia</i> (Crustacea, Branchiopoda, Anostraca) in Spain. <i>International Journal of Salt Lake Research</i> , 1994 , 3, 175-190		35

137	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, 439-49	5.1	34
136	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	2.9	34
135	Comparing population response to contaminants between laboratory and field: an approach using <i>Daphnia magna</i> ephippial egg banks. <i>Functional Ecology</i> , 2000 , 14, 513-523	5.6	34
134	Stress in Ecological Systems. <i>Oikos</i> , 1999 , 86, 179	4	34
133	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	2.1	34
132	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		32
131	DEMOGRAPHIC RESPONSES OF A TROPICAL CLADOCERAN TO CADMIUM: EFFECTS OF FOOD SUPPLY AND DENSITY 2002 , 12, 552-564		32
130	Sub-lethal toxicity of environmentally relevant concentrations of esfenvalerate to <i>Chironomus riparius</i> . <i>Environmental Pollution</i> , 2015 , 207, 273-9	9.3	31
129	Behavioural responses of freshwater planarians after short-term exposure to the insecticide chlorantraniliprole. <i>Aquatic Toxicology</i> , 2016 , 170, 371-376	5.1	31
128	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, 373-8	3.2	31
127	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	9.3	30
126	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, 704-10	9.3	30
125	Effects of cypermethrin on marine plankton communities: a simulated field study using mesocosms. <i>Ecotoxicology and Environmental Safety</i> , 2004 , 58, 236-45	7	29
124	Differential embryotoxicity of the organic pollutants in rural and urban air particles. <i>Environmental Pollution</i> , 2015 , 206, 535-42	9.3	28
123	Bioaccumulation and effects of perfluorinated compounds (PFCs) in zebra mussels (<i>Dreissena polymorpha</i>). <i>Environmental Science and Pollution Research</i> , 2013 , 20, 2661-9	5.1	28
122	Occurrence, elimination, and risk of anticoagulant rodenticides and drugs during wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 7194-203	5.1	27
121	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	8.4	27
120	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	10.2	26

119	Toxicity of atmospheric particle-bound PAHs: an environmental perspective. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 11623-33	5.1	26
118	Chironomus riparius exposure to field-collected contaminated sediments: From subcellular effect to whole-organism response. <i>Science of the Total Environment</i> , 2019 , 671, 874-882	10.2	24
117	Metabolic profiling of Daphnia magna exposed to environmental stressors by GC/MS and chemometric tools. <i>Metabolomics</i> , 2016 , 12, 1	4.7	24
116	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	10.2	23
115	Toxicity assessment of atmospheric particulate matter in the Mediterranean and Black Seas open waters. <i>Science of the Total Environment</i> , 2016 , 545-546, 163-70	10.2	22
114	Retinoic acid receptors expression and function during zebrafish early development. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 138, 143-51	5.1	22
113	Comparative toxicity of single and combined mixtures of selected pollutants among larval stages of the native freshwater mussels (Unio elongatulus) and the invasive zebra mussel (Dreissena polymorpha). <i>Science of the Total Environment</i> , 2010 , 408, 2452-8	10.2	22
112	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, 5592-9	10.2	22
111	Comparing metal toxicity among Daphnia magna clones: an approach using concentration-time-response surfaces. <i>Archives of Environmental Contamination and Toxicology</i> , 1999 , 37, 326-31	3.2	22
110	Using a new high-throughput video-tracking platform to assess behavioural changes in Daphnia magna exposed to neuro-active drugs. <i>Science of the Total Environment</i> , 2019 , 662, 160-167	10.2	22
109	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, 507-17	5.1	21
108	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, 209-18	10.2	21
107	Dose-dependent transcriptomic responses of zebrafish eleutheroembryos to Bisphenol A. <i>Environmental Pollution</i> , 2018 , 243, 988-997	9.3	21
106	Degradation and toxicity of mitoxantrone and chlorambucil in water. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 633-640	3.3	20
105	Aquatic ecotoxicity of a pheromonal antagonist in Daphnia magna and Desmodesmus subspicatus. <i>Aquatic Toxicology</i> , 2006 , 79, 296-303	5.1	20
104	Tryptophan hydroxylase (TRH) loss of function mutations induce growth and behavioral defects in Daphnia magna. <i>Scientific Reports</i> , 2018 , 8, 1518	4.9	19
103	Transcriptomic response of zebrafish embryos to polyaminoamine (PAMAM) dendrimers. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 92-9	5.3	19
102	Effects of the pharmaceutical fluoxetine in spiked-sediments on feeding activity and growth of the polychaete Capitella teleta. <i>Marine Environmental Research</i> , 2013 , 89, 76-82	3.3	19

101	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	3.8	19
100	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	10.2	18
99	Morphometric signatures of exposure to endocrine disrupting chemicals in zebrafish eleutheroembryos. <i>Aquatic Toxicology</i> , 2019 , 214, 105232	5.1	18
98	Exposure to chlorantraniliprole affects the energy metabolism of the caddisfly <i>Sericostoma vittatum</i> . <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 1584-1591	3.8	18
97	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	5.1	18
96	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	5.8	18
95	Ecotoxicological effects of rice field waters on selected planktonic species: comparison between conventional and organic farming. <i>Ecotoxicology</i> , 2010 , 19, 1523-35	2.9	18
94	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	10.2	18
93	Mechanisms of Action of Compounds That Enhance Storage Lipid Accumulation in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2016 , 50, 13565-13573	10.3	17
92	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, 1218-26	8.4	17
91	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	2.1	17
90	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	12.5	17
89	Invasive Species Mediate Insecticide Effects on Community and Ecosystem Functioning. <i>Environmental Science & Technology</i> , 2018 , 52, 4889-4900	10.3	16
88	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	10.2	16
87	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	9.3	16
86	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	5.1	16
85	Investigating heritability of cadmium tolerance in <i>Chironomus riparius</i> natural populations: A physiological approach. <i>Chemosphere</i> , 2017 , 170, 83-94	8.4	15
84	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, 6783-92	3.1	15

83	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	3.5	15
82	Energetic costs and biochemical biomarkers associated with esfenvalerate exposure in <i>Sericostoma vittatum</i> . <i>Chemosphere</i> , 2017 , 189, 445-453	8.4	14
81	Effect of psychiatric drugs on <i>Daphnia magna</i> oxylipin profiles. <i>Science of the Total Environment</i> , 2018 , 644, 1101-1109	10.2	14
80	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	4.5	14
79	A Mediterranean Origin for the Veldrif (South Africa) <i>Artemia</i> Leach Population. <i>Journal of Biogeography</i> , 1995 , 22, 49	4.1	14
78	Pharmaceuticals released from senior residences: occurrence and risk evaluation. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 6095-6106	5.1	14
77	Evolutionary consequences of historical metal contamination for natural populations of <i>Chironomus riparius</i> (Diptera: Chironomidae). <i>Ecotoxicology</i> , 2017 , 26, 534-546	2.9	13
76	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, 135-42	6.7	13
75	Population growth rate responses of <i>Ceriodaphnia dubia</i> to ternary mixtures of specific acting chemicals: pharmacological versus ecotoxicological modes of action. <i>Environmental Science & Technology</i> , 2012 , 46, 9663-72	10.3	13
74	Life history, resting egg formation, and hatching may explain the temporal-geographical distribution of <i>Artemia</i> strains in the Mediterranean basin. <i>Hydrobiologia</i> , 1995 , 298, 295-305	2.4	13
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