

Benjamin Pia

List of Publications by Year in Descending Order

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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.

189
papers

6,256
citations

44
h-index

68
g-index

197
ext. papers

6,933
ext. citations

7
avg, IF

5.83
L-index

#	Paper	IF	Citations
189	Risks associated with the circular economy: Treated sewage reuse in agriculture 2022 , 37-48		
188	Implications of the use of organic fertilizers for antibiotic resistance gene distribution in agricultural soils and fresh food products. A plot-scale study. <i>Science of the Total Environment</i> , 2021 , 815, 151973	10.2	0
187	Compounds of emerging concern as new plant stressors linked to water reuse and biosolid application in agriculture. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105198	6.8	9
186	Occurrence and human health risk assessment of antibiotics and their metabolites in vegetables grown in field-scale agricultural systems. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123424	12.8	21
185	Presence and fate of micropollutants during anaerobic digestion of sewage and their implications for the circular economy: A short review. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104931	6.8	11
184	Antibiotic and antibiotic-resistant gene loads in swine slurries and their digestates: Implications for their use as fertilizers in agriculture. <i>Environmental Research</i> , 2021 , 194, 110513	7.9	2
183	Daphnia magna Gut-Specific Transcriptomic Responses to Feeding Inhibiting Chemicals and Food Limitation. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 2510-2520	3.8	1
182	Minimization of Environmental Impact of Kraft Pulp Mill Effluents: Current Practices and Future Perspectives towards Sustainability. <i>Sustainability</i> , 2021 , 13, 9288	3.6	2
181	Changes in lipid profiles in Daphnia magna individuals exposed to low environmental levels of neuroactive pharmaceuticals. <i>Science of the Total Environment</i> , 2020 , 733, 139029	10.2	6
180	Transcriptomic effects of tributyltin (TBT) in zebrafish eleutheroembryos. A functional benchmark dose analysis. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122881	12.8	11
179	Acute and long-term metabolic consequences of early developmental Bisphenol A exposure in zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2020 , 256, 127080	8.4	9
178	Effects of prescription antibiotics on soil- and root-associated microbiomes and resistomes in an agricultural context. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123208	12.8	17
177	MCR-ALS analysis of H NMR spectra by segments to study the zebrafish exposure to acrylamide. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 5695-5706	4.4	3
176	Screening anti-predator behaviour in fish larvae exposed to environmental pollutants. <i>Science of the Total Environment</i> , 2020 , 714, 136759	10.2	15
175	Targeting redox metabolism: the perfect storm induced by acrylamide poisoning in the brain. <i>Scientific Reports</i> , 2020 , 10, 312	4.9	9
174	Changes in lipid profiles induced by bisphenol A (BPA) in zebrafish eleutheroembryos during the yolk sac absorption stage. <i>Chemosphere</i> , 2020 , 246, 125704	8.4	13
173	Large Enrichment of Anthropogenic Organic Matter Degrading Bacteria in the Sea-Surface Microlayer at Coastal Livingston Island (Antarctica). <i>Frontiers in Microbiology</i> , 2020 , 11, 571983	5.7	7

172	Data Processing for RNA/DNA Sequencing 2020 , 507-514		
171	On the contribution of reclaimed wastewater irrigation to the potential exposure of humans to antibiotics, antibiotic resistant bacteria and antibiotic resistance genes [NEREUS COST Action ES1403 position paper. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 102131	6.8	44
170	Effects of Single and Combined Low Concentrations of Neuroactive Drugs on Reproduction and Transcriptomic Responses. <i>Environmental Science & Technology</i> , 2019 , 53, 11979-11987	10.3	9
169	Multi-omic analysis of zebrafish models of acute organophosphorus poisoning with different severity. <i>Toxicological Sciences</i> , 2019 ,	4.4	2
168	Morphometric signatures of exposure to endocrine disrupting chemicals in zebrafish eleutheroembryos. <i>Aquatic Toxicology</i> , 2019 , 214, 105232	5.1	18
167	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
166	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	9.3	10
165	Microbial responses to anthropogenic dissolved organic carbon in the Arctic and Antarctic coastal seawaters. <i>Environmental Microbiology</i> , 2019 , 21, 1466-1481	5.2	20
164	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	4.9	10
163	Antibiotic resistance gene distribution in agricultural fields and crops. A soil-to-food analysis. <i>Environmental Research</i> , 2019 , 177, 108608	7.9	45
162	Ranking of crop plants according to their potential to uptake and accumulate contaminants of emerging concern. <i>Environmental Research</i> , 2019 , 170, 422-432	7.9	72
161	Distribution of antibiotic resistance genes in soils and crops. A field study in legume plants (<i>Vicia faba</i> L.) grown under different watering regimes. <i>Environmental Research</i> , 2019 , 170, 16-25	7.9	48
160	Antibiotic resistance genes distribution in microbiomes from the soil-plant-fruit continuum in commercial <i>Lycopersicon esculentum</i> fields under different agricultural practices. <i>Science of the Total Environment</i> , 2019 , 652, 660-670	10.2	37
159	Assessment of endocrine disruptors effects on zebrafish (<i>Danio rerio</i>) embryos by untargeted LC-HRMS metabolomic analysis. <i>Science of the Total Environment</i> , 2018 , 635, 156-166	10.2	55
158	Tryptophan hydroxylase (TRH) loss of function mutations induce growth and behavioral defects in <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2018 , 8, 1518	4.9	19
157	Compression of multidimensional NMR spectra allows a faster and more accurate analysis of complex samples. <i>Chemical Communications</i> , 2018 , 54, 3090-3093	5.8	8
156	Comprehensive characterization of neurochemicals in three zebrafish chemical models of human acute organophosphorus poisoning using liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1735-1748	4.4	21
155	Deciphering the Underlying Metabolomic and Lipidomic Patterns Linked to Thermal Acclimation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Proteome Research</i> , 2018 , 17, 2034-2044	5.6	11

154	Analysis of the neurotoxic effects of neuropathic organophosphorus compounds in adult zebrafish. <i>Scientific Reports</i> , 2018 , 8, 4844	4.9	10
153	Toxicological Analysis of Acid Mine Drainage by Water Quality and Land Use Bioassays. <i>Mine Water and the Environment</i> , 2018 , 37, 88-97	2.4	9
152	Assessing the environmental quality of sediments from Split coastal area (Croatia) with a battery of cell-based bioassays. <i>Science of the Total Environment</i> , 2018 , 624, 1640-1648	10.2	11
151	Metabolomic changes induced by nicotine in adult zebrafish skeletal muscle. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 164, 388-397	7	8
150	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
149	Omics in Zebrafish Teratogenesis. <i>Methods in Molecular Biology</i> , 2018 , 1797, 421-441	1.4	3
148	Emerging contaminants in Brazilian rivers: Occurrence and effects on gene expression in zebrafish (<i>Danio rerio</i>) embryos. <i>Chemosphere</i> , 2018 , 209, 696-704	8.4	48
147	Dysregulatory effects of retinoic acid isomers in late zebrafish embryos. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 3849-3859	5.1	4
146	Combining hyperspectral imaging and chemometrics to assess and interpret the effects of environmental stressors on zebrafish eye images at tissue level. <i>Journal of Biophotonics</i> , 2018 , 11, e2017000897	2.1	7
145	Functional Data Analysis: Omics for Environmental Risk Assessment. <i>Comprehensive Analytical Chemistry</i> , 2018 , 583-611	1.9	2
144	Comparative analysis of H NMR and H-C HSQC NMR metabolomics to understand the effects of medium composition in yeast growth. <i>Analytical Chemistry</i> , 2018 , 90, 12422-12430	7.8	12
143	Dose-dependent transcriptomic responses of zebrafish eleutheroembryos to Bisphenol A. <i>Environmental Pollution</i> , 2018 , 243, 988-997	9.3	21
142	Acrylamide acute neurotoxicity in adult zebrafish. <i>Scientific Reports</i> , 2018 , 8, 7918	4.9	36
141	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	10.2	10
140	Metabolomic analysis of the effects of cadmium and copper treatment in <i>Oryza sativa</i> L. using untargeted liquid chromatography coupled to high resolution mass spectrometry and all-ion fragmentation. <i>Metallomics</i> , 2017 , 9, 660-675	4.5	29
139	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	5.1	9
138	Knowledge integration strategies for untargeted metabolomics based on MCR-ALS analysis of CE-MS and LC-MS data. <i>Analytica Chimica Acta</i> , 2017 , 978, 10-23	6.6	35
137	Dysregulation of photosynthetic genes in oceanic <i>Prochlorococcus</i> populations exposed to organic pollutants. <i>Scientific Reports</i> , 2017 , 7, 8029	4.9	21

136	Relevant aspects of unmixing/resolution analysis for the interpretation of biological vibrational hyperspectral images. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 94, 130-140	14.6	23
135	Linking the morphological and metabolomic response of <i>Lactuca sativa</i> L exposed to emerging contaminants using GC-MS and chemometric tools. <i>Scientific Reports</i> , 2017 , 7, 6546	4.9	40
134	Integrated assessment of toxic effects of maghemite (Fe ₃ O ₄) nanoparticles in zebrafish. <i>Aquatic Toxicology</i> , 2017 , 191, 219-225	5.1	41
133	Metabolic disruption of zebrafish (<i>Danio rerio</i>) embryos by bisphenol A. An integrated metabolomic and transcriptomic approach. <i>Environmental Pollution</i> , 2017 , 231, 22-36	9.3	47
132	Assessment of chlorpyrifos toxic effects in zebrafish (<i>Danio rerio</i>) metabolism. <i>Environmental Pollution</i> , 2017 , 220, 1231-1243	9.3	46
131	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
130	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
129	Sublethal Effects of Chlorine-Free Kraft Mill Effluents on <i>Daphnia magna</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016 , 97, 843-847	2.7	6
128	(1)H NMR metabolomic study of auxotrophic starvation in yeast using Multivariate Curve Resolution-Alternating Least Squares for Pathway Analysis. <i>Scientific Reports</i> , 2016 , 6, 30982	4.9	26
127	LC-MS based metabolomics and chemometrics study of the toxic effects of copper on <i>Saccharomyces cerevisiae</i> . <i>Metallomics</i> , 2016 , 8, 790-8	4.5	24
126	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
125	Endocrine Disruption in the Omics Era: New Views, New Hazards, New Approaches. <i>Open Biotechnology Journal</i> , 2016 , 10, 20-35	2	7
124	High atmosphere-ocean exchange of semivolatile aromatic hydrocarbons. <i>Nature Geoscience</i> , 2016 , 9, 438-442	18.3	79
123	Detoxification of sewage sludge by natural attenuation and implications for its use as a fertilizer on agricultural soils. <i>Science of the Total Environment</i> , 2016 , 572, 978-985	10.2	6
122	A quantitative 1H NMR approach for evaluating the metabolic response of <i>Saccharomyces cerevisiae</i> to mild heat stress. <i>Metabolomics</i> , 2015 , 11, 1612-1625	4.7	19
121	qRT-PCR evaluation of the transcriptional response of zebra mussel to heavy metals. <i>BMC Genomics</i> , 2015 , 16, 354	4.5	6
120	Differential embryotoxicity of the organic pollutants in rural and urban air particles. <i>Environmental Pollution</i> , 2015 , 206, 535-42	9.3	28
119	Chemometric evaluation of metabolic profiles using LC-MS. <i>Metabolomics</i> , 2015 , 11, 210-224	4.7	45

118	Background fish feminization effects in European remote sites. <i>Scientific Reports</i> , 2015 , 5, 11292	4.9	16
117	Combination of CE-MS and advanced chemometric methods for high-throughput metabolic profiling. <i>Electrophoresis</i> , 2015 , 36, 2324-2335	3.6	22
116	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
115	Reviewing Biological Indices and Biomarkers Suitability to Analyze Human Impacts. Emergent Tools to Analyze Biological Status in Rivers. <i>Handbook of Environmental Chemistry</i> , 2015 , 249-268	0.8	
114	Clade-Specific Quantitative Analysis of Photosynthetic Gene Expression in <i>Prochlorococcus</i> . <i>PLoS ONE</i> , 2015 , 10, e0133207	3.7	4
113	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
112	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
111	Application of bioassay panel for assessing the impact of advanced oxidation processes on the treatment of reverse osmosis brine. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 1168-1174	3.7	12
110	Deiodinases and thyroid metabolism disruption in teleost fish. <i>Environmental Research</i> , 2014 , 135, 361-75.9	5.9	55
109	Transcriptomic response of zebrafish embryos to polyaminoamine (PAMAM) dendrimers. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 92-9	5.3	19
108	Toxicity of atmospheric particle-bound PAHs: an environmental perspective. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 11623-33	5.1	26
107	Evaluation of antibiotic mobility in soil associated with swine-slurry soil amendment under cropping conditions. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 12336-44	5.1	10
106	Estrogenic effects of nonylphenol and octylphenol isomers in vitro by recombinant yeast assay (RYA) and in vivo with early life stages of zebrafish. <i>Science of the Total Environment</i> , 2014 , 466-467, 1-10	10.2	19
105	In vivo zebrafish assays for analyzing drug toxicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014 , 10, 685-97	5.5	57
104	Analysis of hepatic deiodinase 2 mRNA levels in natural fish lake populations exposed to different levels of putative thyroid disrupters. <i>Environmental Pollution</i> , 2014 , 187, 210-3	9.3	7
103	Seasonal variations of gene expression biomarkers in <i>Mytilus galloprovincialis</i> cultured populations: temperature, oxidative stress and reproductive cycle as major modulators. <i>Science of the Total Environment</i> , 2014 , 499, 363-72	10.2	24
102	Effect of (D)-fagomine on excreted Enterobacteria and weight gain in rats fed a high-fat high-sucrose diet. <i>Obesity</i> , 2014 , 22, 976-9	8	21
101	Advanced UV/H ₂ O ₂ oxidation of deca-bromo diphenyl ether in sediments. <i>Science of the Total Environment</i> , 2014 , 479-480, 17-20	10.2	14

100	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
99	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
98	Genetic and phenotypic differentiation of zebra mussel populations colonizing Spanish river basins. <i>Ecotoxicology</i> , 2013 , 22, 915-28	2.9	10
97	Transcriptomic seasonal variations in a natural population of zebra mussel (<i>Dreissena polymorpha</i>). <i>Science of the Total Environment</i> , 2013 , 454-455, 482-9	10.2	12
96	Analysis of aryl hydrocarbon receptor ligands in kraft mill effluents by a combination of yeast bioassays and CG-MS chemical determinations. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013 , 48, 145-51	2.3	8
95	Chemical characterization of organic microcontaminant sources and biological effects in riverine sediments impacted by urban sewage and pulp mill discharges. <i>Chemosphere</i> , 2013 , 90, 611-9	8.4	27
94	The combined use of the PLHC-1 cell line and the recombinant yeast assay to assess the environmental quality of estuarine and coastal sediments. <i>Marine Pollution Bulletin</i> , 2013 , 77, 282-9	6.7	14
93	Developmental effects of aerosols and coal burning particles in zebrafish embryos. <i>Environmental Pollution</i> , 2013 , 178, 72-9	9.3	16
92	Integration of on-line and off-line methodologies for the assessment of river water quality. <i>Water Science and Technology: Water Supply</i> , 2013 , 13, 1340-1347	1.4	1
91	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
90	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	1.9	5
89	Evaluation of fungal- and photo-degradation as potential treatments for the removal of sunscreens BP3 and BP1. <i>Science of the Total Environment</i> , 2012 , 427-428, 355-63	10.2	89
88	Degradation of UV filters in sewage sludge and 4-MBC in liquid medium by the ligninolytic fungus <i>Trametes versicolor</i> . <i>Journal of Environmental Management</i> , 2012 , 104, 114-20	7.9	42
87	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
86	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
85	Triiodothyronine-induced changes in the zebrafish transcriptome during the eleutheroembryonic stage: implications for bisphenol A developmental toxicity. <i>Aquatic Toxicology</i> , 2012 , 110-111, 114-22	5.1	29
84	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
83	Structural and molecular analysis of pollution-linked deformities in a natural <i>Aphanius fasciatus</i> (Valenciennes, 1821) population from the Tunisian coast. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 2254-60		7

82	Topoisomerase II is required for the production of long Pol II gene transcripts in yeast. <i>Nucleic Acids Research</i> , 2012 , 40, 7907-15	20.1	53
81	Assessment of reproductive stress in natural populations of the fish <i>Aphanius fasciatus</i> using quantitative mRNA markers. <i>Aquatic Biology</i> , 2012 , 17, 285-293	2	6
80	Zebrafish as a Vertebrate Model to Assess Sublethal Effects and Health Risks of Emerging Pollutants. <i>Handbook of Environmental Chemistry</i> , 2011 , 395-414	0.8	
79	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
78	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
77	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
76	Assessment of dioxin-like activity in ambient air particulate matter using recombinant yeast assays. <i>Atmospheric Environment</i> , 2011 , 45, 271-274	5.3	16
75	Decontamination trends in the aquacultured fish gilthead seabream (<i>Sparus aurata</i>) after feeding long-term a PCDD/F spiked feed. <i>Chemosphere</i> , 2011 , 82, 64-71	8.4	3
74	A zebrafish scale assay to monitor dioxin-like activity in surface water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 1861-9	4.4	14
73	Differential expression of thiamine biosynthetic genes in yeast strains with high and low production of hydrogen sulfide during wine fermentation. <i>Journal of Applied Microbiology</i> , 2010 , 109, 272-81	4.7	14
72	Positional dependence of transcriptional inhibition by DNA torsional stress in yeast chromosomes. <i>EMBO Journal</i> , 2010 , 29, 740-8	13	41
71	Biological Effects of Chemical Pollution in Feral Fish and Shellfish Populations from Ebro River: From Molecular to Individual Level Responses. <i>Handbook of Environmental Chemistry</i> , 2010 , 275-293	0.8	
70	Origin and distribution of polycyclic aromatic hydrocarbon pollution in sediment and fish from the biosphere reserve of Urdaibai (Bay of Biscay, Basque country, Spain). <i>Marine Environmental Research</i> , 2010 , 70, 142-9	3.3	19
69	Evaluation of the suitability of recombinant yeast-based estrogenicity assays as a pre-screening tool in environmental samples. <i>Environment International</i> , 2010 , 36, 361-367	12.9	23
68	Distribution of Persistent Organic Pollutants and Mercury in Freshwater Ecosystems Under Changing Climate Conditions 2010 , 180-202		6
67	Detection of estrogenic activity from kraft mill effluents by the yeast estrogen screen. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010 , 84, 165-9	2.7	28
66	Evaluation of environmental impact on natural populations of the Mediterranean killifish <i>Aphanius fasciatus</i> by quantitative RNA biomarkers. <i>Marine Environmental Research</i> , 2010 , 70, 327-33	3.3	23
65	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

64	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
63	Altitudinal and thermal gradients of hepatic Cyp1A gene expression in natural populations of <i>Salmo trutta</i> from high mountain lakes and their correlation with organohalogen loads. <i>Environmental Pollution</i> , 2010 , 158, 1392-8	9.3	14
62	Application of multivariate curve resolution to the analysis of yeast genome-wide screens. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010 , 104, 53-64	3.8	23
61	Toxicity identification fractionation of environmental estrogens in waste water and sludge using gas and liquid chromatography coupled to mass spectrometry and recombinant yeast assay. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 957-68	4.4	40
60	Biological activity of aryl hydrocarbon receptor ligands in sediments from remote European lakes. <i>Freshwater Biology</i> , 2009 , 54, 2543-2554	3.1	8
59	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
58	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
57	Genetic variation underlying protein expression in eggs of the marine mussel <i>Mytilus edulis</i> . <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 132-44	7.6	34
56	Recombinant Yeast Assays and Gene Expression Assays for the Analysis of Endocrine Disruption. <i>Handbook of Environmental Chemistry</i> , 2009 , 69-113	0.8	1
55	Selective inhibition of yeast regulons by daunorubicin: a transcriptome-wide analysis. <i>BMC Genomics</i> , 2008 , 9, 358	4.5	10
54	Analysis of micronucleated erythrocytes in heron nestlings from reference and impacted sites in the Ebro basin (N.E. Spain). <i>Environmental Pollution</i> , 2008 , 155, 81-7	9.3	27
53	Increasing genomic information in bivalves through new EST collections in four species: development of new genetic markers for environmental studies and genome evolution. <i>Gene</i> , 2008 , 408, 27-36	3.8	130
52	Removal of estrogenic activity of natural and synthetic hormones from a municipal wastewater: efficiency of horseradish peroxidase and laccase from <i>Trametes versicolor</i> . <i>Chemosphere</i> , 2008 , 70, 445-52	8.4	111
51	Distribution and biological impact of dioxin-like compounds in risk zones along the Ebro River basin (Spain). <i>Chemosphere</i> , 2008 , 71, 1156-61	8.4	23
50	Effects on growth and biochemical responses in juvenile gilthead seabream <i>Sparus aurata</i> after long-term dietary exposure to low levels of dioxins. <i>Chemosphere</i> , 2008 , 73, S303-10	8.4	18
49	Genomewide expression profiling of cryptolepine-induced toxicity in <i>Saccharomyces cerevisiae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 3844-50	5.9	7
48	Physiological response to persistent organic pollutants in fish from mountain lakes: analysis of CYP1A gene expression in natural populations of <i>Salmo trutta</i> . <i>Environmental Science & Technology</i> , 2007 , 41, 5154-60	10.3	22
47	Analysis of gene expression as a new tool in ecotoxicology and environmental monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 1145-1154	14.6	58

46	Modulation of aryl hydrocarbon receptor transactivation by carbaryl, a nonconventional ligand. <i>FEBS Journal</i> , 2007 , 274, 3327-39	5.7	17
45	A noninvasive test of exposition to toxicants: quantitative analysis of cytochrome P4501A expression in fish scales. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 2179-86	3.8	14
44	A multifunctional desaturase involved in the biosynthesis of the processionary moth sex pheromone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16444-9	11.5	41
43	Estrogenic activity associated with organochlorine compounds in fish extracts from European mountain lakes. <i>Environmental Pollution</i> , 2007 , 145, 745-52	9.3	12
42	Environmental monitoring by gene expression biomarkers in <i>Barbus graellsii</i> : laboratory and field studies. <i>Chemosphere</i> , 2007 , 67, 1144-54	8.4	50
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