

Patrice Gonzalez

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.

100
papers

2,358
citations

29
h-index

43
g-index

101
ext. papers

2,605
ext. citations

5.7
avg, IF

4.69
L-index

#	Paper	IF	Citations
100	Role of iron in gene expression and in the modulation of copper uptake in a freshwater alga: Insights on Cu and Fe assimilation pathways.. <i>Environmental Pollution</i> , 2022 , 119311	9.3	0
99	Cellular and molecular mechanisms of NiONPs toxicity on eel hepatocytes HEPA-E1: An illustration of the impact of Ni release from mining activity in New Caledonia. <i>Chemosphere</i> , 2022 , 303, 135158	8.4	0
98	Transgenerational epigenetic sex determination: Environment experienced by female fish affects offspring sex ratio. <i>Environmental Pollution</i> , 2021 , 277, 116864	9.3	6
97	Hg concentrations and stable isotope variations in tropical fish species of a gold-mining-impacted watershed in French Guiana. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 60609-60621	5.1	0
96	Pesticide mixture toxicity assessment through in situ and laboratory approaches using embryo-larval stages of the pacific oyster (<i>Magallana gigas</i>). <i>Marine Environmental Research</i> , 2021 , 169, 105390	3.3	1
95	Environmentally Relevant Mixture of Pesticides Affect Mobility and DNA Integrity of Early Life Stages of Rainbow Trout (). <i>Toxics</i> , 2021 , 9,	4.7	1
94	Comparison of imidacloprid, propiconazole, and nanopropiconazole effects on the development, behavior, and gene expression biomarkers of the Pacific oyster (<i>Magallana gigas</i>). <i>Science of the Total Environment</i> , 2021 , 764, 142921	10.2	4
93	Environmentally relevant mixture of S-metolachlor and its two metabolites affects thyroid metabolism in zebrafish embryos. <i>Aquatic Toxicology</i> , 2020 , 221, 105444	5.1	10
92	Mercury contamination levels in the bioindicator piscivorous fish <i>Hoplias alhara</i> in French Guiana rivers: mapping for risk assessment. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 3624-3636	5.1	8
91	An environmentally realistic pesticide and copper mixture impacts embryonic development and DNA integrity of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Environmental Science and Pollution Research</i> , 2020 , 27, 3600-3611	5.1	3
90	Assessment of swimming behavior of the Pacific oyster D-larvae (<i>Crassostrea gigas</i>) following exposure to model pollutants. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 3675-3685	5.1	7
89	Sensitivity to cadmium of the endangered freshwater pearl mussel <i>Margaritifera margaritifera</i> from the Dronne River (France): experimental exposure. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 3715-3725	5.1	6
88	Health indicators and contaminant levels of a critically endangered species in the Gironde estuary, the European sturgeon. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 3726-3745	5.1	6
87	A glyphosate-based herbicide induces sub-lethal effects in early life stages and liver cell line of rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquatic Toxicology</i> , 2019 , 216, 105291	5.1	16
86	Seasonal variation of transcriptomic and biochemical parameters of <i>Donax trunculus</i> related to its infection by <i>Bacciger bacciger</i> (trematode parasite). <i>Estuarine, Coastal and Shelf Science</i> , 2019 , 219, 291-299	2.99	3
85	Thermal Reduction of Graphene Oxide Mitigates Its In Vivo Genotoxicity Toward <i>Xenopus laevis</i> Tadpoles. <i>Nanomaterials</i> , 2019 , 9,	5.4	19
84	Transcriptomic response of the benthic freshwater diatom <i>Nitzschia palea</i> exposed to Few Layer Graphene. <i>Environmental Science: Nano</i> , 2019 , 6, 1363-1381	7.1	7

83	Impact of diuron and S-metolachlor on the freshwater diatom Gomphonema gracile: Complementarity between fatty acid profiles and different kinds of ecotoxicological impact-endpoints. <i>Science of the Total Environment</i> , 2019 , 688, 960-969	10.2	12
82	Seasonal influence of parasitism on contamination patterns of the mud shrimp Upogebia cf. pusilla in an area of low pollution. <i>Science of the Total Environment</i> , 2019 , 692, 319-332	10.2	1
81	Sub-lethal effects of waterborne copper in early developmental stages of rainbow trout (Oncorhynchus mykiss). <i>Ecotoxicology and Environmental Safety</i> , 2019 , 170, 778-788	7	9
80	Trophic transfer and effects of gold nanoparticles (AuNPs) in Gammarus fossarum from contaminated periphytic biofilm. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 11181-11191	5.1	11
79	Can pesticides, copper and seasonal water temperature explain the seagrass Zostera noltei decline in the Arcachon bay?. <i>Marine Pollution Bulletin</i> , 2018 , 134, 66-74	6.7	7
78	Noise pollution limits metal bioaccumulation and growth rate in a filter feeder, the Pacific oyster Magallana gigas. <i>PLoS ONE</i> , 2018 , 13, e0194174	3.7	7
77	Whole-transcriptome response to wastewater treatment plant and stormwater effluents in the Asian clam, Corbicula fluminea. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 165, 96-106	7	13
76	Do trace metal contamination and parasitism influence the activities of the bioturbating mud shrimp Upogebia cf. pusilla?. <i>Aquatic Toxicology</i> , 2018 , 204, 46-58	5.1	4
75	Influence of the bioturbator Upogebia cf. pusilla on trace metal remobilization: Does parasitism matter?. <i>Marine Environmental Research</i> , 2018 , 139, 87-98	3.3	2
74	An innovative and integrative assay for toxicity testing using individual fish embryos. Application to oxazepam. <i>Chemosphere</i> , 2017 , 181, 468-477	8.4	7
73	A comprehensive study of the toxicity of natural multi-contaminated sediments: New insights brought by the use of a combined approach using the medaka embryo-larval assay and physico-chemical analyses. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 142, 509-521	7	3
72	Seasonal variation of transcriptomic and biochemical parameters of cockles (Cerastoderma edule) related to their infection by trematode parasites. <i>Journal of Invertebrate Pathology</i> , 2017 , 148, 73-80	2.6	8
71	Combined effects of temperature and copper and S-metolachlor on embryo-larval development of the Pacific oyster, Crassostrea gigas. <i>Marine Pollution Bulletin</i> , 2017 , 115, 201-210	6.7	19
70	Transcriptomic responses of the endangered freshwater mussel Margaritifera margaritifera to trace metal contamination in the Dronne River, France. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27145-27159	5.1	15
69	Parasite interactions in the bioturbator Upogebia pusilla (Decapoda: Gebiidae): a case of amensalism?. <i>Marine Biology</i> , 2017 , 164, 1	2.5	3
68	Migratory behavior, metabolism, oxidative stress and mercury concentrations in marine and estuarine European glass eels (Anguilla anguilla). <i>Physiology and Behavior</i> , 2017 , 169, 33-40	3.5	8
67	Do Temporal and Spatial Parameters or Lifestyle of the Pacific Oyster Crassostrea gigas Affect Pollutant Bioaccumulation, Offspring Development, and Tolerance to Pollutants?. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	6
66	Molecular and phenotypic responses of Japanese medaka (Oryzias latipes) early life stages to environmental concentrations of cadmium in sediment. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 17969-81	5.1	8

65	Combined effects of pollutants and salinity on embryo-larval development of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Marine Environmental Research</i> , 2016 , 113, 31-8	3.3	42
64	Why is Asari (=Manila) clam <i>Ruditapes philippinarum</i> fitness poor in Arcachon Bay: A meta-analysis to answer?. <i>Estuarine, Coastal and Shelf Science</i> , 2016 , 179, 226-235	2.9	13
63	How toxic is the depleted uranium to crayfish <i>Procambarus clarkii</i> compared with cadmium?. <i>Environmental Toxicology</i> , 2016 , 31, 211-23	4.2	5
62	Omics in Aquatic Ecotoxicology: The Ultimate Response to Biological Questions? 2015 , 183-203		4
61	Herbicide toxicity on river biofilms assessed by pulse amplitude modulated (PAM) fluorometry. <i>Aquatic Toxicology</i> , 2015 , 165, 160-71	5.1	25
60	Methylmercury effects on migratory behaviour in glass eels (<i>Anguilla anguilla</i>): an experimental study using isotopic tracers. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 171, 15-27	3.2	4
59	Is the toxicity of pesticide mixtures on river biofilm accounted for solely by the major compounds identified?. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4009-24	5.1	9
58	Spatial and seasonal variations of methylmercury in European glass eels (<i>Anguilla anguilla</i>) in the Adour estuary (France) and relation to their migratory behaviour. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 10721-32	5.1	9
57	Specific Effects of Dietary Methylmercury and Inorganic Mercury in Zebrafish (<i>Danio rerio</i>) Determined by Genetic, Histological, and Metallothionein Responses. <i>Environmental Science & Technology</i> , 2015 , 49, 14560-9	10.3	40
56	Specific Pathways of Dietary Methylmercury and Inorganic Mercury Determined by Mercury Speciation and Isotopic Composition in Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2015 , 49, 12984-93	10.3	47
55	Single and mixture effects of pesticides and a degradation product on fluvial biofilms. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 3931-9	3.1	9
54	Effect of low-dose cadmium exposure on DNA methylation in the endangered European eel. <i>Environmental Science & Technology</i> , 2014 , 48, 797-803	10.3	73
53	Comparative responses of sperm cells and embryos of Pacific oyster (<i>Crassostrea gigas</i>) to exposure to metolachlor and its degradation products. <i>Aquatic Toxicology</i> , 2014 , 147, 48-56	5.1	18
52	Environmental effects of realistic pesticide mixtures on natural biofilm communities with different exposure histories. <i>Science of the Total Environment</i> , 2014 , 473-474, 496-506	10.2	24
51	Investigating the response of cuproproteins from oysters (<i>Crassostrea gigas</i>) after waterborne copper exposure by metallomic and proteomic approaches. <i>Metallomics</i> , 2014 , 6, 338-46	4.5	10
50	Transcriptional responses and embryotoxic effects induced by pyrene and methylpyrene in Japanese medaka (<i>Oryzias latipes</i>) early life stages exposed to spiked sediments. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 13850-66	5.1	12
49	Brown muscle disease: impact on Manila clam <i>Venerupis</i> (=Ruditapes) philippinarum biology. <i>Fish and Shellfish Immunology</i> , 2014 , 36, 510-8	4.3	12
48	Mitochondrial gene expression, antioxidant responses, and histopathology after cadmium exposure. <i>Environmental Toxicology</i> , 2014 , 29, 893-907	4.2	35

47	Bacciger bacciger (Trematoda: Fellodistomidae) infection effects on wedge clam <i>Donax trunculus</i> condition. <i>Diseases of Aquatic Organisms</i> , 2014 , 111, 259-67	1.7	14
46	Environmental concentrations of irgarol, diuron and S-metolachlor induce deleterious effects on gametes and embryos of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Marine Environmental Research</i> , 2013 , 89, 1-8	3.3	64
45	Relative potency of PCB126 to TCDD for sublethal embryotoxicity in the mummichog (<i>Fundulus heteroclitus</i>). <i>Aquatic Toxicology</i> , 2013 , 128-129, 203-14	5.1	13
44	Effects of dietary methylmercury on the zebrafish brain: histological, mitochondrial, and gene transcription analyses. <i>BioMetals</i> , 2012 , 25, 165-80	3.4	50
43	Development of q-PCR approaches to assess water quality: effects of cadmium on gene expression of the diatom <i>Eolimna minima</i> . <i>Water Research</i> , 2012 , 46, 934-42	12.5	18
42	Cloning, characterization and gene expression of a metallothionein isoform in the edible cockle <i>Cerastoderma edule</i> after cadmium or mercury exposure. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 75, 119-26	7	10
41	Effects of uranium on crayfish <i>Procambarus clarkii</i> mitochondria and antioxidants responses after chronic exposure: what have we learned?. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 78, 218-24	7	24
40	Effects of copper and cadmium spiked-sediments on embryonic development of Japanese medaka (<i>Oryzias latipes</i>). <i>Ecotoxicology and Environmental Safety</i> , 2012 , 79, 272-282	7	54
39	Are antioxidant and transcriptional responses useful for discriminating between chemo- and radiotoxicity of uranium in the crayfish <i>Procambarus clarkii</i> ?. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 80, 266-72	7	17
38	Effects of methylmercury contained in a diet mimicking the Wayana Amerindians contamination through fish consumption: mercury accumulation, metallothionein induction, gene expression variations, and role of the chemokine CCL2. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 7710-38	6.3	12
37	Genotoxic damages in zebrafish submitted to a polymetallic gradient displayed by the Lot River (France). <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 974-83	7	35
36	The use of Eugenol and electro-narcosis as anaesthetics: transcriptional impacts on the European eel (<i>Anguilla anguilla</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1573-7	7	13
35	Effects of uranium uptake on transcriptional responses, histological structures and survival rate of the crayfish <i>Procambarus clarkii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1800-7	7	21
34	Sublethal effects of waterborne uranium exposures on the zebrafish brain: transcriptional responses and alterations of the olfactory bulb ultrastructure. <i>Environmental Science & Technology</i> , 2010 , 44, 1438-43	10.3	27
33	Cadmium-induced genotoxicity in zebrafish at environmentally relevant doses. <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 312-9	7	78
32	Effects of dietary cadmium contamination on bird <i>Anas platyrhynchos</i> --comparison with species <i>Cairina moschata</i> . <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 2010-6	7	12
31	Biomarker responses in polar cod (<i>Boreogadus saida</i>) exposed to dietary crude oil. <i>Aquatic Toxicology</i> , 2010 , 96, 77-83	5.1	45
30	Biomarker responses in polar cod (<i>Boreogadus saida</i>) exposed to the water soluble fraction of crude oil. <i>Aquatic Toxicology</i> , 2010 , 97, 234-42	5.1	61

29	Short-term metallothionein inductions in the edible cockle <i>Cerastoderma edule</i> after cadmium or mercury exposure: discrepancy between mRNA and protein responses. <i>Aquatic Toxicology</i> , 2010 , 97, 260-7	5.1	31
28	Serial analysis of gene expression in the skeletal muscles of zebrafish fed with a methylmercury-contaminated diet. <i>Environmental Science & Technology</i> , 2010 , 44, 469-75	10.3	37
27	How life history contributes to stress response in the Manila clam <i>Ruditapes philippinarum</i> . <i>Environmental Science and Pollution Research</i> , 2010 , 17, 987-98	5.1	34
26	Effect of dietary cadmium on lipid metabolism and storage of aquatic bird <i>Cairina moschata</i> . <i>Ecotoxicology</i> , 2010 , 19, 163-70	2.9	22
25	Interactive effects of metal contamination and pathogenic organisms on the marine bivalve <i>Cerastoderma edule</i> . <i>Marine Pollution Bulletin</i> , 2010 , 60, 515-25	6.7	54
24	Bivalve population health: multistress to identify hot spots. <i>Marine Pollution Bulletin</i> , 2010 , 60, 1307-18	6.7	34
23	Interactive effects of metal contamination and pathogenic organisms on the introduced marine bivalve <i>Ruditapes philippinarum</i> in European populations. <i>Environmental Pollution</i> , 2010 , 158, 3401-10	9.3	29
22	Impact of cadmium on aquatic bird <i>Cairina moschata</i> . <i>BioMetals</i> , 2009 , 22, 843-53	3.4	17
21	Comparative analysis of gene expression in brain, liver, skeletal muscles, and gills of zebrafish (<i>Danio rerio</i>) exposed to environmentally relevant waterborne uranium concentrations. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 1271-8	3.8	51
20	PAH biomarker responses in polar cod (<i>Boreogadus saida</i>) exposed to benzo(a)pyrene. <i>Aquatic Toxicology</i> , 2009 , 94, 309-19	5.1	72
19	Feeding mice with diets containing mercury-contaminated fish flesh from French Guiana: a model for the mercurial intoxication of the Wayana Amerindians. <i>Environmental Health</i> , 2008 , 7, 53	6	17
18	Effects of dietary methylmercury on zebrafish skeletal muscle fibres. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 304-9	5.8	24
17	How cadmium could compromise the completion of the European eel's reproductive migration. <i>Environmental Science & Technology</i> , 2008 , 42, 4607-12	10.3	50
16	Brown muscle disease (BMD), an emergent pathology affecting Manila clam <i>Ruditapes philippinarum</i> in Arcachon Bay (SW France). <i>Diseases of Aquatic Organisms</i> , 2008 , 80, 219-28	1.7	19
15	Metallothionein gene identification and expression in the cockle (<i>Cerastoderma edule</i>) under parasitism (trematodes) and cadmium contaminations. <i>Aquatic Living Resources</i> , 2007 , 20, 43-49	1.5	20
14	Common pattern of gene expression in response to hypoxia or cadmium in the gills of the European glass eel (<i>Anguilla anguilla</i>). <i>Environmental Science & Technology</i> , 2007 , 41, 3005-11	10.3	32
13	Role of metallothioneins in superoxide radical generation during copper redox cycling: defining the fundamental function of metallothioneins. <i>Biochimie</i> , 2007 , 89, 1474-88	4.6	21
12	Genotoxic and stress inductive potential of cadmium in <i>Xenopus laevis</i> larvae. <i>Aquatic Toxicology</i> , 2006 , 78, 157-66	5.1	48

11	Challenging the model for induction of metallothionein gene expression. <i>Biochimie</i> , 2006 , 88, 1787-92	4.6	71
10	Metallothionein gene expression and protein levels in triploid and diploid oysters <i>Crassostrea gigas</i> after exposure to cadmium and zinc. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 412-8	3.8	42
9	cDNA cloning and gene expression of ribosomal S9 protein gene in the mollusk <i>Corbicula fluminea</i> : a new potential biomarker of metal contamination up-regulated by cadmium and repressed by zinc. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 527-33	3.8	23
8	Metallothionein response to cadmium and zinc exposures compared in two freshwater bivalves, <i>Dreissena polymorpha</i> and <i>Corbicula fluminea</i> . <i>BioMetals</i> , 2006 , 19, 399-407	3.4	52
7	Comparative effects of direct cadmium contamination on gene expression in gills, liver, skeletal muscles and brain of the zebrafish (<i>Danio rerio</i>). <i>BioMetals</i> , 2006 , 19, 225-35	3.4	171
6	Cytochrome c oxidase subunit I gene is up-regulated by cadmium in freshwater and marine bivalves. <i>BioMetals</i> , 2006 , 19, 237-44	3.4	53
5	Phylogenetic relationships of <i>Pleurotus</i> species according to the sequence and secondary structure of the mitochondrial small-subunit rRNA V4, V6 and V9 domains. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 1), 209-221	2.9	53
4	Molecular gene organisation and secondary structure of the mitochondrial large subunit ribosomal RNA from the cultivated Basidiomycota <i>Agrocybe aegerita</i> : a 13 kb gene possessing six unusual nucleotide extensions and eight introns. <i>Nucleic Acids Research</i> , 1999 , 27, 1754-61	20.1	15
3	Molecular analysis of the split <i>cox1</i> gene from the Basidiomycota <i>Agrocybe aegerita</i> : relationship of its introns with homologous Ascomycota introns and divergence levels from common ancestral copies. <i>Gene</i> , 1998 , 220, 45-53	3.8	28
2	Sequence and secondary structure of the mitochondrial small-subunit rRNA V4, V6, and V9 domains reveal highly species-specific variations within the genus <i>Agrocybe</i> . <i>Applied and Environmental Microbiology</i> , 1998 , 64, 4149-60	4.8	22
1	DNA sequence and secondary structure of the mitochondrial small subunit ribosomal RNA coding region including a group-IC2 intron from the cultivated basidiomycete <i>Agrocybe aegerita</i> . <i>Gene</i> , 1997 , 184, 55-63	3.8	17