

Fabien Pierron

List of Publications by Year in descending order

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39
papers

1,098
citations

430874

18
h-index

414414

32
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39
docs citations

39
times ranked

1552
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>RAD</scp> sequencing reveals within-generation polygenic selection in response to anthropogenic organic and metal contamination in North Atlantic Eels. <i>Molecular Ecology</i> , 2016, 25, 219-237.	3.9	127
2	Impairment of lipid storage by cadmium in the European eel (<i>Anguilla anguilla</i>). <i>Aquatic Toxicology</i> , 2007, 81, 304-311.	4.0	108
3	Effect of Low-Dose Cadmium Exposure on DNA Methylation in the Endangered European Eel. <i>Environmental Science & Technology</i> , 2014, 48, 797-803.	10.0	90
4	Transcriptional responses to environmental metal exposure in wild yellow perch (<i>Perca flavescens</i>) collected in lakes with differing environmental metal concentrations (Cd, Cu, Ni). <i>Ecotoxicology</i> , 2009, 18, 620-631.	2.4	68
5	Effects of chronic metal exposure on wild fish populations revealed by high-throughput cDNA sequencing. <i>Ecotoxicology</i> , 2011, 20, 1388-1399.	2.4	61
6	How Cadmium Could Compromise the Completion of the European Eel's Reproductive Migration. <i>Environmental Science & Technology</i> , 2008, 42, 4607-4612.	10.0	57
7	Individual and combined effects of heat stress and aqueous or dietary copper exposure in fathead minnows (<i>Pimephales promelas</i>). <i>Aquatic Toxicology</i> , 2011, 104, 80-85.	4.0	45
8	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, 3005-3011.	10.0	37
9	Transcriptome profile analysis reveals specific signatures of pollutants in Atlantic eels. <i>Ecotoxicology</i> , 2015, 24, 71-84.	2.4	35
10	Abnormal Ovarian DNA Methylation Programming during Gonad Maturation in Wild Contaminated Fish. <i>Environmental Science & Technology</i> , 2014, 48, 11688-11695.	10.0	34
11	How does exposure to nickel and cadmium affect the transcriptome of yellow perch (<i>Perca</i>) Tj ETQq1 1 0.784314 r _{BT} /Overlock 10 Tj 5	4.0	33
12	Subcellular partitioning of non-essential trace metals (Ag, As, Cd, Ni, Pb, and Tl) in livers of American (<i>Anguilla rostrata</i>) and European (<i>Anguilla anguilla</i>) yellow eels. <i>Aquatic Toxicology</i> , 2015, 160, 128-141.	4.0	32
13	A comparison of metal concentrations in the tissues of yellow American eel (<i>Anguilla rostrata</i>) and European eel (<i>Anguilla anguilla</i>). <i>Science of the Total Environment</i> , 2016, 569-570, 1435-1445.	8.0	29
14	Transgenerational epigenetic sex determination: Environment experienced by female fish affects offspring sex ratio. <i>Environmental Pollution</i> , 2021, 277, 116864.	7.5	27
15	Transcriptomic responses of the endangered freshwater mussel <i>Margaritifera margaritifera</i> to trace metal contamination in the Dronne River, France. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27145-27159.	5.3	26
16	Cadmium uptake by the European eel: Trophic transfer in field and experimental investigations. <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 10-19.	6.0	24
17	Temperature and metal exposure affect membrane fatty acid composition and transcription of desaturases and elongases in fathead minnow muscle and brain. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 632-643.	6.0	22
18	Evidence for metabolic imbalance of vitamin A2 in wild fish chronically exposed to metals. <i>Ecotoxicology and Environmental Safety</i> , 2012, 85, 88-95.	6.0	21

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19	Whole-transcriptome response to wastewater treatment plant and stormwater effluents in the Asian clam, <i>Corbicula fluminea</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 96-106.	6.0	20
20	Differences in brain gene transcription profiles advocate for an important role of cognitive function in upstream migration and water obstacles crossing in European eel. <i>BMC Genomics</i> , 2015, 16, 378.	2.8	19
21	EFFECTS OF SALINITY AND HYPOXIA ON CADMIUM BIOACCUMULATION IN THE SHRIMP <i>PALAEMON LONGIROSTRIS</i> . <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1010.	4.3	18
22	Ovarian gene transcription and effect of cadmium pre-exposure during artificial sexual maturation of the European eel (<i>Anguilla anguilla</i>). <i>BioMetals</i> , 2009, 22, 985-994.	4.1	17
23	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, 1573-1577.	6.0	15
24	Can pesticides, copper and seasonal water temperature explain the seagrass <i>Zostera noltei</i> decline in the Arcachon bay?. <i>Marine Pollution Bulletin</i> , 2018, 134, 66-74.	5.0	15
25	Impact of chemical pollution on Atlantic eels: Facts, research needs, and implications for management. <i>Current Opinion in Environmental Science and Health</i> , 2019, 11, 26-36.	4.1	14
26	Retrotransposon methylation and activity in wild fish (<i>A. Anguilla</i>): A matter of size. <i>Environmental Pollution</i> , 2019, 245, 494-503.	7.5	12
27	Bioaccumulation dynamics and gene regulation in a freshwater bivalve after aqueous and dietary exposures to gold nanoparticles and ionic gold. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3637-3650.	5.3	12
28	Gonadal transcriptome analysis of wild contaminated female European eels during artificial gonad maturation. <i>Chemosphere</i> , 2015, 139, 303-309.	8.2	11
29	Gene transcription profiling in wild and laboratory-exposed eels: Effect of captivity and in situ chronic exposure to pollution. <i>Science of the Total Environment</i> , 2016, 571, 92-102.	8.0	11
30	Detecting the exposure to Cd and PCBs by means of a non-invasive transcriptomic approach in laboratory and wild contaminated European eels (<i>Anguilla anguilla</i>). <i>Environmental Science and Pollution Research</i> , 2016, 23, 5431-5441.	5.3	10
31	Multigenerational exposure to gamma radiation affects offspring differently over generations in zebrafish. <i>Aquatic Toxicology</i> , 2022, 244, 106101.	4.0	9
32	Organic and inorganic contamination impacts on metabolic capacities in American and European yellow eels. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 1557-1566.	1.4	8
33	Early back-calculated size-at-age of Atlantic yellow eels sampled along ecological gradients in the Gironde and St. Lawrence hydrographical systems. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 1270-1279.	1.4	7
34	Omics in Aquatic Ecotoxicology. , 2015, , 183-203.		6
35	Biotransformation, antioxidant and histopathological biomarker responses to contaminants in European and American yellow eels from the Gironde and St. Lawrence estuaries. <i>Chemosphere</i> , 2017, 188, 292-303.	8.2	6
36	Identification and expression of microRNAs in european eels <i>Anguilla anguilla</i> from two natural sites with different pollution levels. <i>Environmental Pollution</i> , 2019, 250, 274-283.	7.5	4

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37	Transcriptome-wide analysis of wild Asari (=Manila) clams affected by the Brown Muscle Disease: Etiology and impacts of the disease. <i>Fish and Shellfish Immunology</i> , 2019, 86, 179-185.	3.6	4
38	Transfer and Transcriptomic Profiling in Liver and Brain of European Eels (<i>Anguilla anguilla</i>) After Diet-borne Exposure to Gold Nanoparticles. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2450-2461.	4.3	2
39	Impact of nickel mining in New Caledonia on marbled eels <i>Anguilla marmorata</i> . <i>Journal of Hazardous Materials</i> , 2022, 436, 129285.	12.4	2