Caroline Fabioux

List of Publications by Year
in descending order

47 papers	3,686 citations	218381 26 h-index	214527 47 g-index
48 all docs	48 docs citations	48 times ranked	3706 citing authors

#	Article	IF	Citations
1	Microbiota of the Digestive Glands and Extrapallial Fluids of Clams Evolve Differently Over Time Depending on the Intertidal Position. Microbial Ecology, 2023, 85, 288-297.	1.4	4
2	First subcellular localization of the amnesic shellfish toxin, domoic acid, in bivalve tissues: Deciphering the physiological mechanisms involved in its long-retention in the king scallop Pecten maximus. Harmful Algae, 2022, 116, 102251.	2.2	5
3	Electrophysiological Evaluation of Pacific Oyster (Crassostrea gigas) Sensitivity to Saxitoxin and Tetrodotoxin. Marine Drugs, 2021, 19, 380.	2.2	3
4	The toxic dinoflagellate Alexandrium minutum affects oyster gamete health and fertilization potential. Marine Environmental Research, 2021, 169, 105401.	1.1	6
5	Biological rhythms in the deep-sea hydrothermal mussel Bathymodiolus azoricus. Nature Communications, 2020, 11, 3454.	5.8	30
6	The marine intertidal zone shapes oyster and clam digestive bacterial microbiota. FEMS Microbiology Ecology, 2020, 96, .	1.3	25
7	The toxic dinoflagellate Alexandrium minutum impairs the performance of oyster embryos and larvae. Harmful Algae, 2020, 92, 101744.	2.2	14
8	Cultures of Dinophysis sacculus, D.Âacuminata and pectenotoxin 2 affect gametes and fertilization success of the Pacific oyster, Crassostrea gigas. Environmental Pollution, 2020, 265, 114840.	3.7	16
9	Modelling paralytic shellfish toxins (PST) accumulation in Crassostrea gigas by using Dynamic Energy Budgets (DEB). Journal of Sea Research, 2019, 143, 152-164.	0.6	12
10	The dinoflagellate Alexandrium minutum affects development of the oyster Crassostrea gigas, through parental or direct exposure. Environmental Pollution, 2019, 246, 827-836.	3.7	16
11	Bioactive extracellular compounds produced by the dinoflagellate Alexandrium minutum are highly detrimental for oysters. Aquatic Toxicology, 2018, 199, 188-198.	1.9	41
12	Oyster transcriptome response to Alexandrium exposure is related to saxitoxin load and characterized by disrupted digestion, energy balance, and calcium and sodium signaling. Aquatic Toxicology, 2018, 199, 127-137.	1.9	19
13	Proteinaceous secretion of bioadhesive produced during crawling and settlement of Crassostrea gigas larvae. Scientific Reports, 2018, 8, 15298.	1.6	13
14	Assessment of saxitoxin sensitivity of nerves isolated from the Pacific oyster, Crassostrea gigas, exposed to Alexandrium minutum. Toxicon, 2018, 149, 93.	0.8	2
15	Constraints and Priorities for Conducting Experimental Exposures of Marine Organisms to Microplastics. Frontiers in Marine Science, 2018, 5, .	1.2	178
16	Remodeling of the cycling transcriptome of the oyster Crassostrea gigas by the harmful algae Alexandrium minutum. Scientific Reports, 2017, 7, 3480.	1.6	32
17	Long dsRNAs promote an anti-viral response in Pacific oyster hampering ostreid herpesvirus 1 replication. Journal of Experimental Biology, 2017, 220, 3671-3685.	0.8	11
18	Molecular Characterization of Voltage-Gated Sodium Channels and Their Relations with Paralytic Shellfish Toxin Bioaccumulation in the Pacific Oyster Crassostrea gigas. Marine Drugs, 2017, 15, 21.	2.2	13

#	Article	IF	Citations
19	Reply to Lenz et al.: Quantifying the smallest microplastics is the challenge for a comprehensive view of their environmental impacts. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4123-4.	3.3	44
20	Exposure of marine mussels Mytilus spp. to polystyrene microplastics: Toxicity and influence on fluoranthene bioaccumulation. Environmental Pollution, 2016, 216, 724-737.	3.7	507
21	Oyster reproduction is affected by exposure to polystyrene microplastics. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2430-2435.	3.3	1,253
22	Influence of gametogenesis pattern and sex on paralytic shellfish toxin levels in triploid Pacific oyster Crassostrea gigas exposed to a natural bloom of Alexandrium minutum. Aquaculture, 2016, 455, 118-124.	1.7	8
23	Exposure to the toxic dinoflagellate Alexandrium catenella modulates juvenile oyster Crassostrea gigas hemocyte variables subjected to different biotic conditions. Fish and Shellfish Immunology, 2016, 51, 104-115.	1.6	13
24	Physiological and pathological changes in the eastern oyster Crassostrea virginica infested with the trematode Bucephalus sp. and exposed to the toxic dinoflagellate Alexandrium fundyense. Journal of Invertebrate Pathology, 2015, 126, 51-63.	1.5	32
25	Exposure to toxic Alexandrium minutum activates the detoxifying and antioxidant systems in gills of the oyster Crassostrea gigas. Harmful Algae, 2015, 48, 55-62.	2.2	45
26	Interaction between toxic dinoflagellate Alexandrium catenella exposure and disease associated with herpesvirus OsHV-1 Î¼Var in Pacific oyster spat Crassostrea gigas. Harmful Algae, 2015, 45, 53-61.	2.2	22
27	Disruption of amylase genes by RNA interference affects reproduction in the Pacific oyster Crassostrea gigas. Journal of Experimental Biology, 2015, 218, 1740-7.	0.8	35
28	Assessment of oocyte and trochophore quality in Pacific oyster, Crassostrea gigas. Aquaculture, 2015, 437, 201-207.	1.7	18
29	Physiological responses of Manila clams Venerupis (=Ruditapes) philippinarum with varying parasite Perkinsus olseni burden to toxic algal Alexandrium ostenfeldii exposure. Aquatic Toxicology, 2014, 154, 27-38.	1.9	34
30	Flow cytometric assessment of morphology, viability, and production of reactive oxygen species of <scp>C</scp>rassostrea gigas oocytes. Application to Toxic dinoflagellate (<scp>A</scp>lexandrium minutum) exposure. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 1049-1056.	1.1	31
31	Study of the antioxidant capacity in gills of the Pacific oyster Crassostrea gigas in link with its reproductive investment. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2013, 157, 63-71.	1.3	17
32	Rapid mitochondrial adjustments in response to short-term hypoxia and re-oxygenation in the Pacific oyster Crassostrea gigas. Journal of Experimental Biology, 2013, 216, 1561-9.	0.8	70
33	Impact of the toxic dinoflagellateAlexandrium catenellaon Pacific oyster reproductive output: application of flow cytometry assays on spermatozoa. Aquatic Living Resources, 2013, 26, 221-228.	0.5	39
34	In Vivo RNA Interference of a Gonad-Specific Transforming Growth Factor-Î² in the Pacific Oyster Crassostrea gigas. Marine Biotechnology, 2012, 14, 402-410.	1.1	31
35	Molecular and cellular response to short-term oxygen variations in the Pacific oyster Crassostrea gigas. Journal of Experimental Marine Biology and Ecology, 2012, 412, 87-95.	0.7	54
36	A Functional Study of Transforming Growth Factor-Beta from the Gonad of Pacific Oyster Crassostrea gigas. Marine Biotechnology, 2011, 13, 971-980.	1.1	18

#	Article	IF	Citations
37	Transcriptomic response of the Pacific oyster Crassostrea gigas to hypoxia. Marine Genomics, 2010, 3, 133-143.	0.4	83
38	Reproductive effort of Pacific oysters: A trait associated with susceptibility to summer mortality. Aquaculture, 2010, 304, 95-99.	1.7	72
39	Generation and analysis of a 29,745 unique Expressed Sequence Tags from the Pacific oyster (Crassostrea gigas) assembled into a publicly accessible database: the GigasDatabase. BMC Genomics, 2009, 10, 341.	1.2	127
40	Inâ€ƒvivo RNA interference in oyster â€“ vasa silencing inhibits germ cell development. FEBS Journal, 2009, 276, 2566-2573.	2.2	102
41	Association among growth, food consumptionâ€related traits and amylase gene polymorphism in the Pacific oyster Crassostrea gigas. Animal Genetics, 2008, 39, 662-665.	0.6	32
42	Characterization of a gonad-specific transforming growth factor-Î² superfamily member differentially expressed during the reproductive cycle of the oyster Crassostrea gigas. Gene, 2008, 410, 187-196.	1.0	33
43	Molecular cloning and seasonal expression of oyster glycogen phosphorylase and glycogen synthase genes. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 140, 635-646.	0.7	78
44	Temperature and photoperiod drive Crassostrea gigas reproductive internal clock. Aquaculture, 2005, 250, 458-470.	1.7	180
45	The oyster vasa-like gene: a specific marker of the germline in Crassostrea gigas. Biochemical and Biophysical Research Communications, 2004, 315, 897-904.	1.0	89
46	Oyster vasa-like gene as a marker of the germline cell development in Crassostrea gigas. Biochemical and Biophysical Research Communications, 2004, 320, 592-598.	1.0	124
47	Natural hybridization between genetically differentiated populations of Crassostrea gigas and C. angulata highlighted by sequence variation in flanking regions of a microsatellite locus. Marine Ecology - Progress Series, 2004, 272, 141-152.	0.9	55