

# Caroline Fabioux

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Exposure of marine mussels <i>Mytilus</i> spp. to polystyrene microplastics: Toxicity and influence on fluoranthene bioaccumulation. Environmental Pollution, 2016, 216, 724-737.	3.7	507
3	Temperature and photoperiod drive <i>Crassostrea gigas</i> reproductive internal clock. Aquaculture, 2005, 250, 458-470.	1.7	180
4	Constraints and Priorities for Conducting Experimental Exposures of Marine Organisms to Microplastics. Frontiers in Marine Science, 2018, 5, .	1.2	178
5	Generation and analysis of a 29,745 unique Expressed Sequence Tags from the Pacific oyster ( <i>Crassostrea gigas</i> ) assembled into a publicly accessible database: the GigasDatabase. BMC Genomics, 2009, 10, 341.	1.2	127
6	Oyster vasa-like gene as a marker of the germline cell development in <i>Crassostrea gigas</i> . Biochemical and Biophysical Research Communications, 2004, 320, 592-598.	1.0	124
7	<i>vasa</i> RNA interference in oyster “ <i>vasa</i> ” silencing inhibits germ cell development. FEBS Journal, 2009, 276, 2566-2573.	2.2	102
8	The oyster vasa-like gene: a specific marker of the germline in <i>Crassostrea gigas</i> . Biochemical and Biophysical Research Communications, 2004, 315, 897-904.	1.0	89
9	Transcriptomic response of the Pacific oyster <i>Crassostrea gigas</i> to hypoxia. Marine Genomics, 2010, 3, 133-143.	0.4	83
10	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
11	Reproductive effort of Pacific oysters: A trait associated with susceptibility to summer mortality. Aquaculture, 2010, 304, 95-99.	1.7	72
12	Rapid mitochondrial adjustments in response to short-term hypoxia and re-oxygenation in the Pacific oyster <i>Crassostrea gigas</i> . Journal of Experimental Biology, 2013, 216, 1561-9.	0.8	70
13	Natural hybridization between genetically differentiated populations of <i>Crassostrea gigas</i> and <i>C. angulata</i> highlighted by sequence variation in flanking regions of a microsatellite locus. Marine Ecology - Progress Series, 2004, 272, 141-152.	0.9	55
14	Molecular and cellular response to short-term oxygen variations in the Pacific oyster <i>Crassostrea gigas</i> . Journal of Experimental Marine Biology and Ecology, 2012, 412, 87-95.	0.7	54
15	Exposure to toxic <i>Alexandrium minutum</i> activates the detoxifying and antioxidant systems in gills of the oyster <i>Crassostrea gigas</i> . Harmful Algae, 2015, 48, 55-62.	2.2	45
16	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
17	Bioactive extracellular compounds produced by the dinoflagellate <i>Alexandrium minutum</i> are highly detrimental for oysters. Aquatic Toxicology, 2018, 199, 188-198.	1.9	41
18	Impact of the toxic dinoflagellate <i>Alexandrium catenella</i> on Pacific oyster reproductive output: application of flow cytometry assays on spermatozoa. Aquatic Living Resources, 2013, 26, 221-228.	0.5	39

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19	Disruption of amylase genes by RNA interference affects reproduction in the Pacific oyster <i>Crassostrea gigas</i> . <i>Journal of Experimental Biology</i> , 2015, 218, 1740-7.	0.8	35
20	Physiological responses of Manila clams <i>Venerupis (=Ruditapes) philippinarum</i> with varying parasite <i>Perkinsus olseni</i> burden to toxic algal <i>Alexandrium ostenfeldii</i> exposure. <i>Aquatic Toxicology</i> , 2014, 154, 27-38.	1.9	34
21	Characterization of a gonad-specific transforming growth factor- $\beta^2$ superfamily member differentially expressed during the reproductive cycle of the oyster <i>Crassostrea gigas</i> . <i>Gene</i> , 2008, 410, 187-196.	1.0	33
22	Association among growth, food consumption-related traits and <i>amylase</i> gene polymorphism in the Pacific oyster <i>Crassostrea gigas</i> . <i>Animal Genetics</i> , 2008, 39, 662-665.	0.6	32
23	Physiological and pathological changes in the eastern oyster <i>Crassostrea virginica</i> infested with the trematode <i>Bucephalus</i> sp. and exposed to the toxic dinoflagellate <i>Alexandrium fundyense</i> . <i>Journal of Invertebrate Pathology</i> , 2015, 126, 51-63.	1.5	32
24	Remodeling of the cycling transcriptome of the oyster <i>Crassostrea gigas</i> by the harmful algae <i>Alexandrium minutum</i> . <i>Scientific Reports</i> , 2017, 7, 3480.	1.6	32
25	In Vivo RNA Interference of a Gonad-Specific Transforming Growth Factor- $\beta^2$ in the Pacific Oyster <i>Crassostrea gigas</i> . <i>Marine Biotechnology</i> , 2012, 14, 402-410.	1.1	31
26	Flow cytometric assessment of morphology, viability, and production of reactive oxygen species of <i>Crassostrea gigas</i> oocytes. Application to Toxic dinoflagellate ( <i>Alexandrium minutum</i> ) exposure. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 1049-1056.	1.1	31
27	Biological rhythms in the deep-sea hydrothermal mussel <i>Bathymodiolus azoricus</i> . <i>Nature Communications</i> , 2020, 11, 3454.	5.8	30
28	The marine intertidal zone shapes oyster and clam digestive bacterial microbiota. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	25
29	Interaction between toxic dinoflagellate <i>Alexandrium catenella</i> exposure and disease associated with herpesvirus OsHV-1 $\mu$ Var in Pacific oyster spat <i>Crassostrea gigas</i> . <i>Harmful Algae</i> , 2015, 45, 53-61.	2.2	22
30	Oyster transcriptome response to <i>Alexandrium</i> exposure is related to saxitoxin load and characterized by disrupted digestion, energy balance, and calcium and sodium signaling. <i>Aquatic Toxicology</i> , 2018, 199, 127-137.	1.9	19
31	A Functional Study of Transforming Growth Factor-Beta from the Gonad of Pacific Oyster <i>Crassostrea gigas</i> . <i>Marine Biotechnology</i> , 2011, 13, 971-980.	1.1	18
32	Assessment of oocyte and trochophore quality in Pacific oyster, <i>Crassostrea gigas</i> . <i>Aquaculture</i> , 2015, 437, 201-207.	1.7	18
33	Study of the antioxidant capacity in gills of the Pacific oyster <i>Crassostrea gigas</i> in link with its reproductive investment. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 157, 63-71.	1.3	17
34	The dinoflagellate <i>Alexandrium minutum</i> affects development of the oyster <i>Crassostrea gigas</i> , through parental or direct exposure. <i>Environmental Pollution</i> , 2019, 246, 827-836.	3.7	16
35	Cultures of <i>Dinophysis sacculus</i> , <i>D. Acuminata</i> and pectenotoxin 2 affect gametes and fertilization success of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Environmental Pollution</i> , 2020, 265, 114840.	3.7	16
36	The toxic dinoflagellate <i>Alexandrium minutum</i> impairs the performance of oyster embryos and larvae. <i>Harmful Algae</i> , 2020, 92, 101744.	2.2	14

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37	Exposure to the toxic dinoflagellate <i>Alexandrium catenella</i> modulates juvenile oyster <i>Crassostrea gigas</i> hemocyte variables subjected to different biotic conditions. <i>Fish and Shellfish Immunology</i> , 2016, 51, 104-115.	1.6	13
38	Molecular Characterization of Voltage-Gated Sodium Channels and Their Relations with Paralytic Shellfish Toxin Bioaccumulation in the Pacific Oyster <i>Crassostrea gigas</i> . <i>Marine Drugs</i> , 2017, 15, 21.	2.2	13
39	Proteinaceous secretion of bioadhesive produced during crawling and settlement of <i>Crassostrea gigas</i> larvae. <i>Scientific Reports</i> , 2018, 8, 15298.	1.6	13
40	Modelling paralytic shellfish toxins (PST) accumulation in <i>Crassostrea gigas</i> by using Dynamic Energy Budgets (DEB). <i>Journal of Sea Research</i> , 2019, 143, 152-164.	0.6	12
41	Long dsRNAs promote an anti-viral response in Pacific oyster hampering ostreid herpesvirus 1 replication. <i>Journal of Experimental Biology</i> , 2017, 220, 3671-3685.	0.8	11
42	Influence of gametogenesis pattern and sex on paralytic shellfish toxin levels in triploid Pacific oyster <i>Crassostrea gigas</i> exposed to a natural bloom of <i>Alexandrium minutum</i> . <i>Aquaculture</i> , 2016, 455, 118-124.	1.7	8
43	The toxic dinoflagellate <i>Alexandrium minutum</i> affects oyster gamete health and fertilization potential. <i>Marine Environmental Research</i> , 2021, 169, 105401.	1.1	6
44	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 <i>Pecten maximus</i> . <i>Harmful Algae</i> , 2022, 116, 102251.	2.2	5
45	Microbiota of the Digestive Glands and Extrapallial Fluids of Clams Evolve Differently Over Time Depending on the Intertidal Position. <i>Microbial Ecology</i> , 2023, 85, 288-297.	1.4	4
46	Electrophysiological Evaluation of Pacific Oyster ( <i>Crassostrea gigas</i> ) Sensitivity to Saxitoxin and Tetrodotoxin. <i>Marine Drugs</i> , 2021, 19, 380.	2.2	3
47	Assessment of saxitoxin sensitivity of nerves isolated from the Pacific oyster, <i>Crassostrea gigas</i> , exposed to <i>Alexandrium minutum</i> . <i>Toxicon</i> , 2018, 149, 93.	0.8	2