

# Beatrice Gagnaire

## List of Publications by Year in descending order

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54  
papers

1,950  
citations

236925

25  
h-index

254184

43  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of temperature and salinity on haemocyte activities of the Pacific oyster, <i>Crassostrea gigas</i> (Thunberg). <i>Fish and Shellfish Immunology</i> , 2006, 20, 536-547.	3.6	209
2	Genetically based resistance to summer mortality in the Pacific oyster ( <i>Crassostrea gigas</i> ) and its relationship with physiological, immunological characteristics and infection processes. <i>Aquaculture</i> , 2007, 268, 227-243.	3.5	166
3	In vitro effects of cadmium and mercury on Pacific oyster, <i>Crassostrea gigas</i> (Thunberg), haemocytes. <i>Fish and Shellfish Immunology</i> , 2004, 16, 501-512.	3.6	143
4	Pollutant effects on Pacific oyster, <i>Crassostrea gigas</i> (Thunberg), hemocytes: Screening of 23 molecules using flow cytometry. <i>Cell Biology and Toxicology</i> , 2006, 22, 1-14.	5.3	103
5	Combination of a pesticide exposure and a bacterial challenge: In vivo effects on immune response of Pacific oyster, <i>Crassostrea gigas</i> (Thunberg). <i>Aquatic Toxicology</i> , 2007, 84, 92-102.	4.0	100
6	Demonstration of a true phenoloxidase activity and activation of a ProPO cascade in Pacific oyster, <i>Crassostrea gigas</i> (Thunberg) in vitro. <i>Fish and Shellfish Immunology</i> , 2007, 22, 433-440.	3.6	94
7	Diploid and triploid Pacific oysters, <i>Crassostrea gigas</i> (Thunberg), reared at two heights above sediment in Marennes-Oleron Basin, France: Difference in mortality, sexual maturation and hemocyte parameters. <i>Aquaculture</i> , 2006, 254, 606-616.	3.5	75
8	Effects of temperature and salinity on the survival of <i>Bonamia ostreae</i> , a parasite infecting flat oysters <i>Ostrea edulis</i> . <i>Diseases of Aquatic Organisms</i> , 2009, 85, 67-75.	1.0	56
9	Developmental energetics of zebrafish, <i>Danio rerio</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2011, 159, 275-283.	1.8	53
10	Effects of 16 pure hydrocarbons and two oils on haemocyte and haemolymphatic parameters in the Pacific oyster, <i>Crassostrea gigas</i> (Thunberg). <i>Toxicology in Vitro</i> , 2008, 22, 1610-1617.	2.4	51
11	Cholinesterase activities as potential biomarkers: Characterization in two freshwater snails, <i>Potamopyrgus antipodarum</i> (Mollusca, Hydrobiidae, Smith 1889) and <i>Valvata piscinalis</i> (Mollusca, Tj ETQq1 1 0.7842 14 rgBT1/Overlock	1.8	53
12	Impact of Diuron on Aneuploidy and Hemocyte Parameters in Pacific Oyster, <i>Crassostrea gigas</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 52, 58-63.	4.1	48
13	Towards solving a scientific controversy â€œ The effects of ionising radiation on the environment. <i>Journal of Environmental Radioactivity</i> , 2020, 211, 106033.	1.7	46
14	External gamma irradiation-induced effects in early-life stages of zebrafish, <i>Danio rerio</i> . <i>Aquatic Toxicology</i> , 2015, 169, 69-78.	4.0	43
15	Development of biomarkers of stress related to endocrine disruption in gastropods: Alkali-labile phosphates, protein-bound lipids and vitellogenin-like proteins. <i>Aquatic Toxicology</i> , 2009, 92, 155-167.	4.0	40
16	Effects of uranium on the metabolism of zebrafish, <i>Danio rerio</i> . <i>Aquatic Toxicology</i> , 2012, 118-119, 9-26.	4.0	40
17	Effects of cadmium on aneuploidy and hemocyte parameters in the Pacific oyster, <i>Crassostrea gigas</i> . <i>Aquatic Toxicology</i> , 2006, 78, 149-156.	4.0	38
18	Detection of phenoloxidase activity in early stages of the Pacific oyster <i>Crassostrea gigas</i> (Thunberg). <i>Developmental and Comparative Immunology</i> , 2009, 33, 653-659.	2.3	32

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19	Study of Atrazine Effects on Pacific Oyster, <i>Crassostrea gigas</i> , Haemocytes. <i>Current Pharmaceutical Design</i> , 2003, 9, 193-199.	1.9	31
20	Immune effects of HFO on European sea bass, <i>Dicentrarchus labrax</i> , and Pacific oyster, <i>Crassostrea gigas</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1446-1454.	6.0	30
21	Effects of Depleted Uranium on Oxidative Stress, Detoxification, and Defence Parameters of Zebrafish <i>Danio rerio</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 140-150.	4.1	30
22	Applications in environmental risk assessment of leucocyte apoptosis, necrosis and respiratory burst analysis on the European bullhead, <i>Cottus sp.</i> . <i>Environmental Pollution</i> , 2014, 184, 9-17.	7.5	30
23	In situ effects of metal contamination from former uranium mining sites on the health of the three-spined stickleback ( <i>Gasterosteus aculeatus</i> , L.). <i>Ecotoxicology</i> , 2016, 25, 1234-1259.	2.4	30
24	Effects of low-dose exposure to pesticide mixture on physiological responses of the pacific oyster, <i>Crassostrea gigas</i> . <i>Environmental Toxicology</i> , 2013, 28, 689-699.	4.0	29
25	Detection of immunotoxic effects of estrogenic and androgenic endocrine disrupting compounds using splenic immune cells of the female three-spined stickleback, <i>Gasterosteus aculeatus</i> (L.). <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 672-683.	4.0	28
26	Flow cytometry detection of lysosomal presence and lysosomal membrane integrity in the three-spined stickleback ( <i>Gasterosteus aculeatus</i> L.) immune cells: applications in environmental aquatic immunotoxicology. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2692-2704.	5.3	26
27	Former uranium mine-induced effects in caged roach: a multiparametric approach for the evaluation of in situ metal toxicity. <i>Ecotoxicology</i> , 2015, 24, 215-231.	2.4	25
28	A flow cytometric approach to study intracellular-free Ca <sup>2+</sup> in <i>Crassostrea gigas</i> haemocytes. <i>Fish and Shellfish Immunology</i> , 2006, 20, 493-502.	3.6	23
29	Effects of in situ exposure to tritiated natural environments: A multi-biomarker approach using the fathead minnow, <i>Pimephales promelas</i> . <i>Science of the Total Environment</i> , 2017, 599-600, 597-611.	8.0	22
30	Comparison of hemocyte parameters in the pericardial cavity and the adductor muscle sinus in the Pacific oyster, <i>Crassostrea gigas</i> using two types of flow cytometers. <i>Aquatic Living Resources</i> , 2008, 21, 39-43.	1.2	20
31	Tritiated water exposure disrupts myofibril structure and induces mis-regulation of eye opacity and DNA repair genes in zebrafish early life stages. <i>Aquatic Toxicology</i> , 2018, 200, 114-126.	4.0	18
32	Isolation and primary culture of gill and digestive gland cells from the common mussel <i>Mytilus edulis</i> . <i>Cytotechnology</i> , 2004, 25, 177-184.	0.7	17
33	Depleted Uranium Disturbs Immune Parameters in Zebrafish, <i>Danio rerio</i> : An Ex Vivo/In Vivo Experiment. <i>Archives of Environmental Contamination and Toxicology</i> , 2014, 67, 426-435.	4.1	17
34	Acclimation capacity of the three-spined stickleback ( <i>Gasterosteus aculeatus</i> , L.) to a sudden biological stress following a polymetallic exposure. <i>Ecotoxicology</i> , 2016, 25, 1478-1499.	2.4	17
35	Toxicokinetic and toxicodynamic of depleted uranium in the zebrafish, <i>Danio rerio</i> . <i>Aquatic Toxicology</i> , 2018, 197, 9-18.	4.0	16
36	In vivo indirect measurement of cytochrome P450-associated activities in freshwater gastropod molluscs. <i>Environmental Toxicology</i> , 2010, 25, 545-553.	4.0	15

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37	In situ experiments to assess effects of constraints linked to caging on ecotoxicity biomarkers of the three-spined stickleback ( <i>Gasterosteus aculeatus</i> L.). <i>Fish Physiology and Biochemistry</i> , 2016, 42, 643-657.	2.3	15
38	Assessing tritium internalisation in zebrafish early life stages: Importance of rapid isotopic exchange. <i>Journal of Environmental Radioactivity</i> , 2019, 203, 30-38.	1.7	14
39	Tritiated Water Exposure in Zebrafish ( <i>Danio rerio</i> ): Effects on the Early Life Stages. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 648-658.	4.3	14
40	Effects of chronic exposure to environmentally relevant concentrations of waterborne depleted uranium on the digestive tract of zebrafish, <i>Danio rerio</i> . <i>Journal of Environmental Radioactivity</i> , 2015, 142, 45-53.	1.7	12
41	The Effects of Radionuclides on Animal Behavior. <i>Reviews of Environmental Contamination and Toxicology</i> , 2011, 210, 35-58.	1.3	11
42	Effects of tritiated water on locomotion of zebrafish larvae: a new insight in tritium toxic effects on a vertebrate model species. <i>Aquatic Toxicology</i> , 2020, 219, 105384.	4.0	10
43	Multigenerational exposure to gamma radiation affects offspring differently over generations in zebrafish. <i>Aquatic Toxicology</i> , 2022, 244, 106101.	4.0	9
44	Transfer modelling and toxicity evaluation of the effluent from an installation of cleansing and uranium recovery using a battery of bioassays. <i>Ecotoxicology</i> , 2011, 20, 187-201.	2.4	8
45	Adverse effects induced by chronic gamma irradiation in progeny of adult fish not affecting parental reproductive performance. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2556-2567.	4.3	8
46	Effects of in vivo exposure to tritium: a multi-biomarker approach using the fathead minnow, <i>Pimephales promelas</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 3612-3623.	5.3	8
47	Analysis of hemocyte parameters in Pacific oysters, <i>Crassostrea gigas</i> , reared in the field " Comparison of hatchery diploids and diploids from natural beds. <i>Aquaculture</i> , 2007, 264, 449-456.	3.5	7
48	Involvement of fish immunomarkers in environmental biomonitoring approach: Urban and agri-viticultural context. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 35-40.	6.0	5
49	Physiological effects of gamma irradiation in the honeybee, <i>Apis mellifera</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 153-163.	6.0	5
50	Correlated responses for DNA damage, phagocytosis activity and lysosomal function revealed in a comparison between field and laboratory studies: Fathead minnow exposed to tritium. <i>Science of the Total Environment</i> , 2019, 662, 990-1002.	8.0	5
51	Uranium transfer and accumulation in organs of <i>Danio rerio</i> after waterborne exposure alone or combined with diet-borne exposure. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 90-98.	4.3	4
52	Effects of gamma ionizing radiation exposure on <i>Danio rerio</i> embryo-larval stages - comparison with tritium exposure. <i>Journal of Hazardous Materials</i> , 2021, 408, 124866.	12.4	2
53	Uptake, depuration, dose estimation and effects in zebrafish exposed to Am-241 via dietary route. <i>Journal of Environmental Radioactivity</i> , 2018, 193-194, 68-74.	1.7	1
54	Multi-metallic contamination around former uranium mines induces adverse effects and acclimation disturbance in three-spined stickleback ( <i>Gasterosteus aculeatus</i> ). <i>Journal of Xenobiotics</i> , 2014, 4, .	6.7	0