Michel Auffret

List of Publications by Year
in descending order

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35 papers	1,398 citations	331259 21 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	1422 citing authors

#	Article	IF	Citations
1	Molecular identification and expression of heat shock cognate 70 (hsc70) and heat shock protein 70 (hsp70) genes in the Pacific oyster Crassostrea gigas. Cell Stress and Chaperones, 2003, 8, 76.	1.2	114
2	Alterations in Hemolymph and Extrapallial Fluid Parameters in the Manila Clam, Ruditapes philippinarum, Challenged with the Pathogen Vibrio tapetis. Journal of Invertebrate Pathology, 2000, 76, 63-69.	1.5	111
3	Hemocyte aggregation in the oyster Crassostrea gigas: In vitro measurement and experimental modulation by xenobiotics. Comparative Biochemistry and Physiology A, Comparative Physiology, 1997, 118, 705-712.	0.7	106
4	A multiparametric approach for monitoring immunotoxic responses in mussels from contaminated sites in Western Mediterranea. Ecotoxicology and Environmental Safety, 2006, 63, 393-405.	2.9	85
5	Seasonal variations of immune parameters in diploid and triploid Pacific oysters, Crassostrea gigas (Thunberg). Aquaculture, 2007, 264, 73-81.	1.7	81
6	Changes in circulating and tissue-infiltrating hemocyte parameters of European flat oysters, Ostrea edulis, naturally infected with Bonamia ostreae. Journal of Invertebrate Pathology, 2003, 83, 23-30.	1.5	78
7	Effects of the pathogenic Vibrio tapetis on defence factors of susceptible and non-susceptible bivalve species: II. Cellular and biochemical changes following in vivo challenge. Fish and Shellfish Immunology, 2006, 20, 384-397.	1.6	65
8	Xenobiotic-induced immunomodulation in the European flat oyster, Ostrea edulis. Marine Environmental Research, 2002, 54, 585-589.	1.1	60
9	Immunochemical quantification of metallothioneins in marine mollusks: Characterization of a metal exposure bioindicator. Environmental Toxicology and Chemistry, 2002, 21, 1009-1014.	2.2	56
10	Response of European flat oyster (Ostrea edulis) hemocytes to acute salinity and temperature changes. Aquaculture, 1987, 67, 179-190.	1.7	54
11	Active and passive biomonitoring suggest metabolic adaptation in blue mussels (Mytilus spp.) chronically exposed to a moderate contamination in Brest harbor (France). Aquatic Toxicology, 2015, 162, 126-137.	1.9	52
12	HAEMOCYTES OF THE FRESHWATER MUSSEL, DREISSENA POLYMORPHA PALLAS: CYTOLOGY, CYTOCHEMISTRY AND X-RAY MICROANALYSIS. Journal of Molluscan Studies, 1996, 62, 367-379.	0.4	40
13	Selective induction of hemocytic response inRuditapes philippinarum(Bivalvia) by different species ofVibrio(Bacteria). Aquatic Living Resources, 1996, 9, 137-143.	0.5	39
14	Multiple experimental approaches of immunotoxic effects of mercury chloride in the blue mussel, Mytilus edulis, through in vivo, in tubo and in vitro exposures. Environmental Pollution, 2008, 153, 416-423.	3.7	38
15	An integrated environmental approach to investigate biomarker fluctuations in the blue mussel Mytilus edulis L. in the Vilaine estuary, France. Environmental Science and Pollution Research, 2013, 20, 630-650.	2.7	37
16	In vitro immunotoxicology of quantum dots and comparison with dissolved cadmium and tellurium. Environmental Toxicology, 2015, 30, 9-25.	2.1	37
17	Functional features of hemocyte subpopulations of the invasive mollusk species Dreissena polymorpha. Fish and Shellfish Immunology, 2016, 56, 144-154.	1.6	36
18	Monitoring of immunotoxic responses in oysters reared in areas contaminated by the â€œErikaâ€•oil spill. Aquatic Living Resources, 2004, 17, 297-302.	0.5	32

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19	Immune effects of HFO on European sea bass, Dicentrarchus labrax, and Pacific oyster, Crassostrea gigas. Ecotoxicology and Environmental Safety, 2009, 72, 1446-1454.	2.9	30
20	Cellular and biochemical responses of the oyster Crassostrea gigas to controlled exposures to metals and Alexandrium minutum. Aquatic Toxicology, 2014, 147, 158-167.	1.9	27
21	In vivo effects of the soluble fraction of light cycle oil on immune functions in the European sea bass, Dicentrarchus labrax (LinnÃ©). Ecotoxicology and Environmental Safety, 2011, 74, 1896-1904.	2.9	23
22	In situ hybridisation for flow cytometry: a molecular method for monitoring stress-gene expression in hemolymph cells of oysters. Aquatic Toxicology, 2003, 64, 427-435.	1.9	20
23	Comparison of hemocyte parameters in the pericardial cavity and the adductor muscle sinus in the Pacific oyster,Crassostrea gigasusing two types of flow cytometers. Aquatic Living Resources, 2008, 21, 39-43.	0.5	20
24	Comparative analysis of hemocyte properties from Mytilus edulis desolationis and Aulacomya ater in the Kerguelen Islands. Marine Environmental Research, 2015, 110, 174-182.	1.1	20
25	Field biomonitoring using the zebra mussel Dreissena polymorpha and the quagga mussel Dreissena bugensis following immunotoxic reponses. Is there a need to separate the two species?. Environmental Pollution, 2018, 238, 706-716.	3.7	20
26	Comparisons of liver proteomes in the European flounder Platichthys flesus from three contrasted estuaries. Journal of Sea Research, 2013, 75, 135-141.	0.6	19
27	Differential sensitivity to cadmium of immunomarkers measured in hemocyte subpopulations of zebra mussel Dreissena polymorpha. Ecotoxicology and Environmental Safety, 2017, 137, 78-85.	2.9	19
28	Bivalves as Models for Marine Immunotoxicology. , 2005, , 29-48.		14
29	In vivo effects of LCO soluble fraction on immune-related functions and gene transcription in the Pacific oyster, Crassostrea gigas (Thunberg). Aquatic Toxicology, 2010, 97, 196-203.	1.9	13
30	Flow cytometric measurement of the clearance rate in the blue mussel Mytilus edulis and the development of a new individual exposure system for aquatic immunotoxicological studies. Environmental Pollution, 2008, 153, 492-496.	3.7	12
31	Functional capacities of gill mitochondria in oysterCrassostrea gigasduring an emersion/immersion tidal cycle. Aquatic Living Resources, 2013, 26, 249-256.	0.5	11
32	Mitochondrial activity, hemocyte parameters and lipid composition modulation by dietary conditioning in the Pacific oyster Crassostrea gigas. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2014, 184, 303-317.	0.7	11
33	Proteomic analysis of the European flounder Platichthys flesus response to experimental PAHâ€“PCB contamination. Marine Pollution Bulletin, 2015, 95, 646-657.	2.3	11
34	Immunochemical quantification of metallothioneins in marine mollusks: characterization of a metal exposure bioindicator. Environmental Toxicology and Chemistry, 2002, 21, 1009-14.	2.2	4
35	Does the environmental history of mussels have an effect on the physiological response to additional stress under experimental conditions?. Science of the Total Environment, 2022, 806, 149925.	3.9	3