Isabelle Arzul

List of Publications by Year
in descending order

62 papers	2,406 citations	236925 25 h-index	214800 47 g-index
63 all docs	63 docs citations	63 times ranked	1832 citing authors

#	Article	IF	Citations
1	Detection and description of a particular Ostreid herpesvirus 1 genotype associated with massive mortality outbreaks of Pacific oysters, Crassostrea gigas, in France in 2008. Virus Research, 2010, 153, 92-99.	2.2	394
2	Detection of oyster herpesvirus DNA and proteins in asymptomatic Crassostrea gigas adults. Virus Research, 2002, 84, 151-160.	2.2	141
3	French Scallops: A New Host for Ostreid Herpesvirus-1. Virology, 2001, 290, 342-349.	2.4	137
4	Evidence for interspecies transmission of oyster herpesvirus in marine bivalves. Journal of General Virology, 2001, 82, 865-870.	2.9	127
5	Ostreid herpesvirus 1 detection and relationship with Crassostrea gigas spat mortality in France between 1998 and 2006. Veterinary Research, 2011, 42, 73.	3.0	118
6	Viruses infecting marine molluscs. Journal of Invertebrate Pathology, 2017, 147, 118-135.	3.2	68
7	Detection of Type 1 Ostreid Herpes variant (OsHV-1 Î¼var) with no associated mortality in French-origin Pacific cupped oyster Crassostrea gigas farmed in Italy. Aquaculture, 2011, 314, 49-52.	3.5	67
8	Detection of ostreid herpesvirus 1 DNA by PCR in bivalve molluscs: A critical review. Journal of Virological Methods, 2007, 139, 1-11.	2.1	66
9	New perspective on the haplosporidian parasites of molluscs. Journal of Invertebrate Pathology, 2015, 131, 32-42.	3.2	65
10	Identification of genes from flat oyster Ostrea edulis as suitable housekeeping genes for quantitative real time PCR. Fish and Shellfish Immunology, 2010, 29, 937-945.	3.6	61
11	Bonamia parasites: a rapidly changing perspective on a genus of important mollusc pathogens. Diseases of Aquatic Organisms, 2014, 110, 5-23.	1.0	59
12	Managing marine mollusc diseases in the context of regional and international commerce: policy issues and emerging concerns. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150215.	4.0	59
13	Effects of temperature and salinity on the survival of Bonamia ostreae, a parasite infecting flat oysters Ostrea edulis. Diseases of Aquatic Organisms, 2009, 85, 67-75.	1.0	56
14	New insights in flat oyster Ostrea edulis resistance against the parasite Bonamia ostreae. Fish and Shellfish Immunology, 2012, 32, 958-968.	3.6	52
15	Molecular responses of Ostrea edulis haemocytes to an in vitro infection with Bonamia ostreae. Developmental and Comparative Immunology, 2011, 35, 323-333.	2.3	51
16	Can the protozoan parasite Bonamia ostreae infect larvae of flat oysters Ostrea edulis?. Veterinary Parasitology, 2011, 179, 69-76.	1.8	47
17	Evolutionary Origins of Rhizarian Parasites. Molecular Biology and Evolution, 2016, 33, 980-983.	8.9	47
18	Cellular and molecular responses of haemocytes from Ostrea edulis during in vitro infection by the parasite Bonamia ostreae. International Journal for Parasitology, 2011, 41, 755-764.	3.1	45

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19	Infection with the protozoan parasite Bonamia ostreae modifies in vitro haemocyte activities of flat oyster Ostrea edulis. Fish and Shellfish Immunology, 2009, 26, 836-842.	3.6	44
20	One Perkinsus species may hide another: characterization of Perkinsus species present in clam production areas of France. Parasitology, 2012, 139, 1757-1771.	1.5	39
21	Bonamia ostreae-induced mortalities in one-year old European flat oystersOstrea edulis: experimental infection by cohabitation challenge. Aquatic Living Resources, 2008, 21, 423-439.	1.2	37
22	Molecular characterisation of an Australian isolate of Bonamia exitiosa. Diseases of Aquatic Organisms, 2006, 71, 81-85.	1.0	34
23	A study of autophagy in hemocytes of the Pacific oyster, Crassostrea gigas. Autophagy, 2019, 15, 1801-1809.	9.1	33
24	Sustainable largeâ€scale production of European flat oyster (Ostrea edulis) seed for ecological restoration and aquaculture: a review. Reviews in Aquaculture, 2021, 13, 1423-1468.	9.0	32
25	Comparison of haemocytic parameters among flat oyster Ostrea edulis stocks with different susceptibility to bonamiosis and the Pacific oyster Crassostrea gigas. Journal of Invertebrate Pathology, 2012, 109, 274-286.	3.2	31
26	Development of a TaqMan PCR assay for the detection of Bonamia species. Diseases of Aquatic Organisms, 2006, 71, 75-80.	1.0	30
27	Molecular detection and quantification of the protozoan Bonamia ostreae in the flat oyster, Ostrea edulis. Molecular and Cellular Probes, 2009, 23, 264-271.	2.1	25
28	Recommended reporting standards for test accuracy studies of infectious diseases of finfish, amphibians, molluscs and crustaceans: the STRADAS-aquatic checklist. Diseases of Aquatic Organisms, 2016, 118, 91-111.	1.0	25
29	Induction of apoptosis by UV in the flat oyster, Ostrea edulis. Fish and Shellfish Immunology, 2015, 46, 232-242.	3.6	23
30	Molecular and cellular characterization of apoptosis in flat oyster a key mechanisms at the heart of host-parasite interactions. Scientific Reports, 2018, 8, 12494.	3.3	23
31	Recent advances in bivalve-microbiota interactions for disease prevention in aquaculture. Current Opinion in Biotechnology, 2022, 73, 225-232.	6.6	23
32	Assessing the health status of farmed mussels (Mytilus galloprovincialis) through histological, microbiological and biomarker analyses. Journal of Invertebrate Pathology, 2018, 153, 165-179.	3.2	22
33	Bonamia infection in native oysters (<scp>Ostrea edulis</scp>) in relation to European restoration projects. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 2150-2162.	2.0	22
34	Viral gametocytic hypertrophy of Crassostrea gigas in France: from occasional records to disease emergence?. Diseases of Aquatic Organisms, 2006, 70, 193-199.	1.0	21
35	Identification of the autophagy pathway in a mollusk bivalve, Crassostrea gigas. Autophagy, 2020, 16, 2017-2035.	9.1	20
36	Characterization of the protozoan parasite Marteilia refringens infecting the dwarf oyster Ostrea stentina in Tunisia. Journal of Invertebrate Pathology, 2013, 112, 175-183.	3.2	19

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37	An eDNA/eRNAâ€based approach to investigate the life cycle of nonâ€cultivable shellfish microâ€parasites: the case of Bonamia ostreae, a parasite of the European flat oyster Ostrea edulis. Microbial Biotechnology, 2020, 13, 1807-1818.	4.2	19
38	Flat oyster follows the apoptosis pathway to defend against the protozoan parasite Bonamia ostreae. Fish and Shellfish Immunology, 2016, 56, 322-329.	3.6	18
39	Cosmopolitan Distribution of Endozoicomonas-Like Organisms and Other Intracellular Microcolonies of Bacteria Causing Infection in Marine Mollusks. Frontiers in Microbiology, 2020, 11, 577481.	3.5	18
40	First record of a Marteilia parasite (Paramyxea) in zooplankton populations from a natural estuarine environment. Aquaculture, 2007, 269, 63-70.	3.5	17
41	Can survival of European flat oysters following experimental infection with Bonamia ostreae be predicted using QTLs?. Aquaculture, 2015, 448, 521-530.	3.5	17
42	Mass Mortalities Affecting Populations of the Yellow ClamAmarilladesma mactroidesAlong Its Geographic Range. Journal of Shellfish Research, 2016, 35, 739-745.	0.9	15
43	A literature review as an aid to identify strategies for mitigating ostreid herpesvirus 1 in Crassostrea gigas hatchery and nursery systems. Reviews in Aquaculture, 2019, 11, 565-585.	9.0	15
44	Heat Shock Protein 90 of <scp>B</scp>onamia ostreae: Characterization and Possible Correlation with Infection of the Flat <scp>O</scp>yster, <scp>O</scp>strea edulis. Journal of Eukaryotic Microbiology, 2013, 60, 257-266.	1.7	14
45	Haemocytic neoplasia in Mediterranean mussels (Mytilus galloprovincialis) in the Slovene Adriatic Sea. Marine and Freshwater Behaviour and Physiology, 2013, 46, 135-143.	0.9	12
46	Contribution of in Vivo Experimental Challenges to Understanding Flat Oyster Ostrea edulis Resistance to Bonamia ostreae. Frontiers in Cellular and Infection Microbiology, 2017, 7, 433.	3.9	12
47	Some like it hot: Paracartia grani (Copepoda: Calanoida) arrival in the Thau lagoon (south of) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.2	11
48	Descriptions of Mikrocytos veneroÃ¯des n. sp. and Mikrocytos donaxi n. sp. (Ascetosporea: Mikrocytida:) Tj ETQq0 0 0 rgBT /Overlock 1 Linnaeus (Veneroida: Donacidae), in France between 2008 and 2011. Parasites and Vectors, 2018, 11, 119.	2.5	10
49	Is pallial mucus involved in Ostrea edulis defenses against the parasite Bonamia ostreae?. Journal of Invertebrate Pathology, 2020, 169, 107259.	3.2	10
50	Involvement of apoptosis in the dialogue between the parasite Bonamia ostreae and the flat oyster Ostrea edulis. Fish and Shellfish Immunology, 2019, 93, 958-964.	3.6	9
51	A new multiplex real-time PCR assay to improve the diagnosis of shellfish regulated parasites of the genus Marteilia and Bonamia. Preventive Veterinary Medicine, 2020, 183, 105126.	1.9	7
52	Effect of infection by the protistan parasiteMarteilia refringenson the enzyme activity and energy reserves of oysterOstrea stentina(Payraudeau, 1826) in Tunisia. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 161-170.	0.8	6
53	Global invasion genetics of two parasitic copepods infecting marine bivalves. Scientific Reports, 2019, 9, 12730.	3.3	5
54	First characterization of the parasite Haplosporidium costale in France and development of a realâ€time PCR assay for its rapid detection in the Pacific oyster, Crassostrea gigas. Transboundary and Emerging Diseases, 2022, 69, .	3.0	5

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55	Monitoring Autophagy at Cellular and Molecular Level in Crassostrea gigas During an Experimental Ostreid Herpesvirus 1 (OsHV-1) Infection. Frontiers in Cellular and Infection Microbiology, 2022, 12, 858311.	3.9	5
56	Whole-genome amplification: a useful approach to characterize new genes in unculturable protozoan parasites such asBonamia exitiosa. Parasitology, 2015, 142, 1523-1534.	1.5	4
57	Optimizing surveillance for early disease detection: Expert guidance for Ostreid herpesvirus surveillance design and system sensitivity calculation. Preventive Veterinary Medicine, 2021, 194, 105419.	1.9	4
58	Development of duplex TaqMan-based real-time PCR assay for the simultaneous detection of Perkinsus olseni and P. chesapeaki in host Manila clam tissue samples. Journal of Invertebrate Pathology, 2021, 184, 107603.	3.2	3
59	Inactivation of marine bivalve parasites using UV-C irradiation: Examples of Perkinsus olseni and Bonamia ostreae. Aquaculture Reports, 2021, 21, 100859.	1.7	3
60	Investigating the Environmental Survival of Marteilia refringens, a Marine Protozoan Parasite of the Flat Oyster Ostrea edulis, Through an Environmental DNA and Microscopy-Based Approach. Frontiers in Marine Science, 2022, 9, .	2.5	2
61	De Novo Transcriptome Assembly and Analysis of the Flat Oyster Pathogenic Protozoa Bonamia Ostreae. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	2
62	VIVALDI, Preventing and mitigating farmed bivalve diseases, HORIZON2020. Impact, 2017, 2017, 89-91.	0.1	0