

# Isabelle Arzul

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Recent advances in bivalve-microbiota interactions for disease prevention in aquaculture. <i>Current Opinion in Biotechnology</i> , 2022, 73, 225-232.	6.6	23
2	Investigating the Environmental Survival of <i>Marteilia refringens</i> , a Marine Protozoan Parasite of the Flat Oyster <i>Ostrea edulis</i> , Through an Environmental DNA and Microscopy-Based Approach. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	2
3	First characterization of the parasite <i>Haplosporidium costale</i> in France and development of a real-time PCR assay for its rapid detection in the Pacific oyster, <i>Crassostrea gigas</i> . <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	3.0	5
4	Monitoring Autophagy at Cellular and Molecular Level in <i>Crassostrea gigas</i> During an Experimental Ostreid Herpesvirus 1 (OsHV-1) Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 858311.	3.9	5
5	Sustainable large-scale production of European flat oyster ( <i>Ostrea edulis</i> ) seed for ecological restoration and aquaculture: a review. <i>Reviews in Aquaculture</i> , 2021, 13, 1423-1468.	9.0	32
6	Optimizing surveillance for early disease detection: Expert guidance for Ostreid herpesvirus surveillance design and system sensitivity calculation. <i>Preventive Veterinary Medicine</i> , 2021, 194, 105419.	1.9	4
7	Development of duplex TaqMan-based real-time PCR assay for the simultaneous detection of <i>Perkinsus olseni</i> and <i>P. chesapeakei</i> in host Manila clam tissue samples. <i>Journal of Invertebrate Pathology</i> , 2021, 184, 107603.	3.2	3
8	Inactivation of marine bivalve parasites using UV-C irradiation: Examples of <i>Perkinsus olseni</i> and <i>Bonamia ostreae</i> . <i>Aquaculture Reports</i> , 2021, 21, 100859.	1.7	3
9	Is pallial mucus involved in <i>Ostrea edulis</i> defenses against the parasite <i>Bonamia ostreae</i> ?. <i>Journal of Invertebrate Pathology</i> , 2020, 169, 107259.	3.2	10
10	A new multiplex real-time PCR assay to improve the diagnosis of shellfish regulated parasites of the genus <i>Marteilia</i> and <i>Bonamia</i> . <i>Preventive Veterinary Medicine</i> , 2020, 183, 105126.	1.9	7
11	<i>Bonamia</i> infection in native oysters ( <i>Ostrea edulis</i> ) in relation to European restoration projects. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 2150-2162.	2.0	22
12	Cosmopolitan Distribution of Endozoicomonas-Like Organisms and Other Intracellular Microcolonies of Bacteria Causing Infection in Marine Mollusks. <i>Frontiers in Microbiology</i> , 2020, 11, 577481.	3.5	18
13	An eDNA/eRNA-based approach to investigate the life cycle of non-cultivable shellfish micro-parasites: the case of <i>Bonamia ostreae</i> , a parasite of the European flat oyster <i>Ostrea edulis</i> . <i>Microbial Biotechnology</i> , 2020, 13, 1807-1818.	4.2	19
14	Identification of the autophagy pathway in a mollusk bivalve, <i>Crassostrea gigas</i> . <i>Autophagy</i> , 2020, 16, 2017-2035.	9.1	20
15	Involvement of apoptosis in the dialogue between the parasite <i>Bonamia ostreae</i> and the flat oyster <i>Ostrea edulis</i> . <i>Fish and Shellfish Immunology</i> , 2019, 93, 958-964.	3.6	9
16	Global invasion genetics of two parasitic copepods infecting marine bivalves. <i>Scientific Reports</i> , 2019, 9, 12730.	3.3	5
17	A study of autophagy in hemocytes of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Autophagy</i> , 2019, 15, 1801-1809.	9.1	33
18	A literature review as an aid to identify strategies for mitigating ostreid herpesvirus 1 in <i>Crassostrea gigas</i> hatchery and nursery systems. <i>Reviews in Aquaculture</i> , 2019, 11, 565-585.	9.0	15

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19	Assessing the health status of farmed mussels ( <i>Mytilus galloprovincialis</i> ) through histological, microbiological and biomarker analyses. <i>Journal of Invertebrate Pathology</i> , 2018, 153, 165-179.	3.2	22
20	Effect of infection by the protistan parasite <i>Marteilia refringens</i> on the enzyme activity and energy reserves of oyster <i>Ostrea stentina</i> (Payraudeau, 1826) in Tunisia. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018, 98, 161-170.	0.8	6
21	Descriptions of <i>Mikrocytos venero</i> n. sp. and <i>Mikrocytos donaxi</i> n. sp. (Ascetosporea: Mikrocytida: Tj ETQq1 1 0.784314 rgBT / 0.25) Linnaeus (Veneroidea: Donacidae), in France between 2008 and 2011. <i>Parasites and Vectors</i> , 2018, 11, 119.	2.5	10
22	Molecular and cellular characterization of apoptosis in flat oyster a key mechanisms at the heart of host-parasite interactions. <i>Scientific Reports</i> , 2018, 8, 12494.	3.3	23
23	Viruses infecting marine molluscs. <i>Journal of Invertebrate Pathology</i> , 2017, 147, 118-135.	3.2	68
24	Contribution of in Vivo Experimental Challenges to Understanding Flat Oyster <i>Ostrea edulis</i> Resistance to <i>Bonamia ostreae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 433.	3.9	12
25	VIVALDI, Preventing and mitigating farmed bivalve diseases, HORIZON2020. <i>Impact</i> , 2017, 2017, 89-91.	0.1	0
26	Mass Mortalities Affecting Populations of the Yellow Clam <i>Amarilladesma mactroides</i> Along Its Geographic Range. <i>Journal of Shellfish Research</i> , 2016, 35, 739-745.	0.9	15
27	Flat oyster follows the apoptosis pathway to defend against the protozoan parasite <i>Bonamia ostreae</i> . <i>Fish and Shellfish Immunology</i> , 2016, 56, 322-329.	3.6	18
28	Managing marine mollusc diseases in the context of regional and international commerce: policy issues and emerging concerns. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150215.	4.0	59
29	Evolutionary Origins of Rhizarian Parasites. <i>Molecular Biology and Evolution</i> , 2016, 33, 980-983.	8.9	47
30	Recommended reporting standards for test accuracy studies of infectious diseases of finfish, amphibians, molluscs and crustaceans: the STRADAS-aquatic checklist. <i>Diseases of Aquatic Organisms</i> , 2016, 118, 91-111.	1.0	25
31	Whole-genome amplification: a useful approach to characterize new genes in unculturable protozoan parasites such as <i>Bonamia exitiosa</i> . <i>Parasitology</i> , 2015, 142, 1523-1534.	1.5	4
32	Can survival of European flat oysters following experimental infection with <i>Bonamia ostreae</i> be predicted using QTLs?. <i>Aquaculture</i> , 2015, 448, 521-530.	3.5	17
33	Induction of apoptosis by UV in the flat oyster, <i>Ostrea edulis</i> . <i>Fish and Shellfish Immunology</i> , 2015, 46, 232-242.	3.6	23
34	New perspective on the haplosporidian parasites of molluscs. <i>Journal of Invertebrate Pathology</i> , 2015, 131, 32-42.	3.2	65
35	<i>Bonamia</i> parasites: a rapidly changing perspective on a genus of important mollusc pathogens. <i>Diseases of Aquatic Organisms</i> , 2014, 110, 5-23.	1.0	59
36	Haemocytic neoplasia in Mediterranean mussels ( <i>Mytilus galloprovincialis</i> ) in the Slovene Adriatic Sea. <i>Marine and Freshwater Behaviour and Physiology</i> , 2013, 46, 135-143.	0.9	12

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37	Characterization of the protozoan parasite <i>Marteilia refringens</i> infecting the dwarf oyster <i>Ostrea stentina</i> in Tunisia. <i>Journal of Invertebrate Pathology</i> , 2013, 112, 175-183.	3.2	19
38	Heat Shock Protein 90 of <i>Bonamia ostreae</i> : Characterization and Possible Correlation with Infection of the Flat <i>Ostrea edulis</i> . <i>Journal of Eukaryotic Microbiology</i> , 2013, 60, 257-266.	1.7	14
39	One <i>Perkinsus</i> species may hide another: characterization of <i>Perkinsus</i> species present in clam production areas of France. <i>Parasitology</i> , 2012, 139, 1757-1771.	1.5	39
40	Some like it hot: <i>Paracartia grani</i> (Copepoda: Calanoida) arrival in the Thau lagoon (south of Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.2	11
41	Comparison of haemocytic parameters among flat oyster <i>Ostrea edulis</i> stocks with different susceptibility to bonamiosis and the Pacific oyster <i>Crassostrea gigas</i> . <i>Journal of Invertebrate Pathology</i> , 2012, 109, 274-286.	3.2	31
42	New insights in flat oyster <i>Ostrea edulis</i> resistance against the parasite <i>Bonamia ostreae</i> . <i>Fish and Shellfish Immunology</i> , 2012, 32, 958-968.	3.6	52
43	Detection of Type 1 Ostreid Herpes variant (OsHV-1 $\gamma$ var) with no associated mortality in French-origin Pacific cupped oyster <i>Crassostrea gigas</i> farmed in Italy. <i>Aquaculture</i> , 2011, 314, 49-52.	3.5	67
44	Molecular responses of <i>Ostrea edulis</i> haemocytes to an in vitro infection with <i>Bonamia ostreae</i> . <i>Developmental and Comparative Immunology</i> , 2011, 35, 323-333.	2.3	51
45	Ostreid herpesvirus 1 detection and relationship with <i>Crassostrea gigas</i> spat mortality in France between 1998 and 2006. <i>Veterinary Research</i> , 2011, 42, 73.	3.0	118
46	Cellular and molecular responses of haemocytes from <i>Ostrea edulis</i> during in vitro infection by the parasite <i>Bonamia ostreae</i> . <i>International Journal for Parasitology</i> , 2011, 41, 755-764.	3.1	45
47	Can the protozoan parasite <i>Bonamia ostreae</i> infect larvae of flat oysters <i>Ostrea edulis</i> ?. <i>Veterinary Parasitology</i> , 2011, 179, 69-76.	1.8	47
48	Identification of genes from flat oyster <i>Ostrea edulis</i> as suitable housekeeping genes for quantitative real time PCR. <i>Fish and Shellfish Immunology</i> , 2010, 29, 937-945.	3.6	61
49	Detection and description of a particular Ostreid herpesvirus 1 genotype associated with massive mortality outbreaks of Pacific oysters, <i>Crassostrea gigas</i> , in France in 2008. <i>Virus Research</i> , 2010, 153, 92-99.	2.2	394
50	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
51	Infection with the protozoan parasite <i>Bonamia ostreae</i> modifies in vitro haemocyte activities of flat oyster <i>Ostrea edulis</i> . <i>Fish and Shellfish Immunology</i> , 2009, 26, 836-842.	3.6	44
52	Molecular detection and quantification of the protozoan <i>Bonamia ostreae</i> in the flat oyster, <i>Ostrea edulis</i> . <i>Molecular and Cellular Probes</i> , 2009, 23, 264-271.	2.1	25
53	<i>Bonamia ostreae</i> -induced mortalities in one-year old European flat oysters <i>Ostrea edulis</i> : experimental infection by cohabitation challenge. <i>Aquatic Living Resources</i> , 2008, 21, 423-439.	1.2	37
54	First record of a <i>Marteilia</i> parasite ( <i>Paramyxea</i> ) in zooplankton populations from a natural estuarine environment. <i>Aquaculture</i> , 2007, 269, 63-70.	3.5	17

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55	Detection of ostreid herpesvirus 1 DNA by PCR in bivalve molluscs: A critical review. <i>Journal of Virological Methods</i> , 2007, 139, 1-11.	2.1	66
56	Viral gametocytic hypertrophy of <i>Crassostrea gigas</i> in France: from occasional records to disease emergence?. <i>Diseases of Aquatic Organisms</i> , 2006, 70, 193-199.	1.0	21
57	Development of a TaqMan PCR assay for the detection of <i>Bonamia</i> species. <i>Diseases of Aquatic Organisms</i> , 2006, 71, 75-80.	1.0	30
58	Molecular characterisation of an Australian isolate of <i>Bonamia exitiosa</i> . <i>Diseases of Aquatic Organisms</i> , 2006, 71, 81-85.	1.0	34
59	Detection of oyster herpesvirus DNA and proteins in asymptomatic <i>Crassostrea gigas</i> adults. <i>Virus Research</i> , 2002, 84, 151-160.	2.2	141
60	Evidence for interspecies transmission of oyster herpesvirus in marine bivalves. <i>Journal of General Virology</i> , 2001, 82, 865-870.	2.9	127
61	French Scallops: A New Host for Ostreid Herpesvirus-1. <i>Virology</i> , 2001, 290, 342-349.	2.4	137
62	De Novo Transcriptome Assembly and Analysis of the Flat Oyster Pathogenic Protozoa <i>Bonamia Ostreae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	2