

Denis Saulnier

List of Publications by Year in descending order

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71
papers

3,723
citations

126907

33
h-index

133252

59
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74
all docs

74
docs citations

74
times ranked

3231
citing authors

#	ARTICLE	IF	CITATIONS
1	Amorphous-to-crystal transition in the layer-by-layer growth of bivalve shell prisms. <i>Acta Biomaterialia</i> , 2022, 142, 194-207.	8.3	10
2	Synchrotron-Based HR-Fluorescence and Mineralogical Mapping of the Initial Growth Stages of Polynesian Cultivated Pearls Disprove the "Reversed Shell" Concept. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 172.	2.0	2
3	First Isolation of Virulent <i>Tenacibaculum maritimum</i> Isolates from Diseased Orbicular Batfish (<i>Platax</i>) Tj ETQq1 1 0.784314 rgBT /Over 2.8 5	2.8	5
4	Shellfish culture: a complex driver of planktonic communities. <i>Reviews in Aquaculture</i> , 2020, 12, 33-46.	9.0	14
5	Potential of tropical macroalgae from French Polynesia for biotechnological applications. <i>Journal of Applied Phycology</i> , 2020, 32, 2343-2362.	2.8	7
6	Non-spherical pearl layers in the Polynesian "black-lipped" <i>Pinctada margaritifera</i> : The non-nacreous deposits compared to microstructure of the shell growing edge. <i>Aquaculture Research</i> , 2020, 51, 506-522.	1.8	4
7	Interplay between hormonal and morphological changes throughout a critical period of larval rearing in the orbicular batfish. <i>Aquaculture Reports</i> , 2020, 18, 100521.	1.7	0
8	Quorum Sensing Inhibitory and Antifouling Activities of New Bromotyrosine Metabolites from the Polynesian Sponge <i>Pseudoceratina</i> n. sp.. <i>Marine Drugs</i> , 2020, 18, 272.	4.6	21
9	Genetic diversity and population structure of <i>Tenacibaculum maritimum</i> , a serious bacterial pathogen of marine fish: from genome comparisons to high throughput MALDI-TOF typing. <i>Veterinary Research</i> , 2020, 51, 60.	3.0	21
10	Description of the unusual digestive tract of <i>Platax orbicularis</i> and the potential impact of <i>Tenacibaculum maritimum</i> infection. <i>PeerJ</i> , 2020, 8, e9966.	2.0	3
11	Phenotype plasticity, local adaptation, and biofouling influence on growth of the pearl oyster <i>Pinctada margaritifera</i> : A common garden approach. <i>Aquaculture</i> , 2019, 512, 734309.	3.5	2
12	Potential of faspaplysin and palauolide from <i>Faspaplysinopsis cf reticulata</i> to reduce the risk of bacterial infection in fish farming. <i>Fisheries and Aquatic Sciences</i> , 2019, 22, .	0.8	4
13	A Ring-Distortion Strategy from Marine Natural Product Ilimaquinone Leads to Quorum Sensing Modulators. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2486-2497.	2.4	11
14	Influence of temperature and pearl rotation on biomineralization in the pearl oyster <i>Pinctada margaritifera</i> . <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	10
15	Influence of water temperature and food on the last stages of cultured pearl mineralization from the black-lip pearl oyster <i>Pinctada margaritifera</i> . <i>PLoS ONE</i> , 2018, 13, e0193863.	2.5	14
16	Development of a duplex Taqman real-time PCR assay for rapid identification of <i>Vibrio splendidus</i> -related and <i>V. aestuarianus</i> strains from bacterial cultures. <i>Journal of Microbiological Methods</i> , 2017, 140, 67-69.	1.6	27
17	An updated assessment of <i>Symbiodinium</i> spp. that associate with common scleractinian corals from Moorea (French Polynesia) reveals high diversity among background symbionts and a novel finding of clade B. <i>PeerJ</i> , 2017, 5, e2856.	2.0	34
18	Influence of preoperative food and temperature conditions on pearl biogenesis in <i>Pinctada margaritifera</i> . <i>Aquaculture</i> , 2017, 479, 176-187.	3.5	14

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19	<i>Symbiodinium</i> clades A and D differentially predispose <i>Acropora cytherea</i> to disease and <i>Vibrio</i> spp. colonization. <i>Ecology and Evolution</i> , 2016, 6, 560-572.	1.9	49
20	<i>Pinctada margaritifera</i> responses to temperature and pH: Acclimation capabilities and physiological limits. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 182, 261-269.	2.1	29
21	Impact of pCO ₂ on the energy, reproduction and growth of the shell of the pearl oyster <i>Pinctada margaritifera</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2016, 182, 274-282.	2.1	19
22	Bacterial community characterization of water and intestine of the shrimp <i>Litopenaeus stylirostris</i> in a biofloc system. <i>BMC Microbiology</i> , 2016, 16, 157.	3.3	183
23	Effect of electrolysis treatment on the biomineralization capacities of pearl oyster <i>Pinctada margaritifera</i> juveniles. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 182, 235-242.	2.1	3
24	Effects of local Polynesian plants and algae on growth and expression of two immune-related genes in orbicular batfish (<i>Platax orbicularis</i>). <i>Fish and Shellfish Immunology</i> , 2016, 58, 82-88.	3.6	21
25	Culture site dependence on pearl size realization in <i>Pinctada margaritifera</i> in relation to recipient oyster growth and mantle graft biomineralization gene expression using the same donor phenotype. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 182, 294-303.	2.1	30
26	Quorum sensing inhibitors from <i>Leucetta chagosensis</i> Dendy, 1863. <i>Letters in Applied Microbiology</i> , 2015, 61, 311-317.	2.2	23
27	Use of Natural Antimicrobial Peptides and Bacterial Biopolymers for Cultured Pearl Production. <i>Marine Drugs</i> , 2015, 13, 3732-3744.	4.6	16
28	Relative contribution of natural productivity and compound feed to tissue growth in blue shrimp (<i>Litopenaeus stylirostris</i>) reared in biofloc: Assessment by C and N stable isotope ratios and effect on key digestive enzymes. <i>Aquaculture</i> , 2015, 448, 288-297.	3.5	43
29	Rearing effect of biofloc on antioxidant and antimicrobial transcriptional response in <i>Litopenaeus stylirostris</i> shrimp facing an experimental sub-lethal hydrogen peroxide stress. <i>Fish and Shellfish Immunology</i> , 2015, 45, 933-939.	3.6	43
30	Identification of genes associated with shell color in the black-lipped pearl oyster, <i>Pinctada margaritifera</i> . <i>BMC Genomics</i> , 2015, 16, 568.	2.8	74
31	Factors other than metalloprotease are required for full virulence of French <i>Vibrio tubiashii</i> isolates in oyster larvae. <i>Microbiology (United Kingdom)</i> , 2015, 161, 997-1007.	1.8	24
32	Temperature and Food Influence Shell Growth and Mantle Gene Expression of Shell Matrix Proteins in the Pearl Oyster <i>Pinctada margaritifera</i> . <i>PLoS ONE</i> , 2014, 9, e103944.	2.5	92
33	First description of French <i>V. tubiashii</i> strains pathogenic to mollusk: II. Characterization of properties of the proteolytic fraction of extracellular products. <i>Journal of Invertebrate Pathology</i> , 2014, 123, 49-59.	3.2	11
34	First description of French <i>V. tubiashii</i> strains pathogenic to mollusk: I. Characterization of isolates and detection during mortality events. <i>Journal of Invertebrate Pathology</i> , 2014, 123, 38-48.	3.2	35
35	First molecular evidence of cross-species induction of metalloprotease gene expression in <i>Vibrio</i> strains pathogenic for Pacific oyster <i>Crassostrea gigas</i> involving a quorum sensing system. <i>Aquaculture</i> , 2013, 392-395, 1-7.	3.5	21
36	Development of TaqMan real-time PCR assays for monitoring <i>Vibrio harveyi</i> infection and a plasmid harbored by virulent strains in European abalone <i>Haliotis tuberculata</i> aquaculture. <i>Aquaculture</i> , 2013, 392-395, 106-112.	3.5	24

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37	Detection of early effects of a single herbicide (diuron) and a mix of herbicides and pharmaceuticals (diuron, isoproturon, ibuprofen) on immunological parameters of Pacific oyster (<i>Crassostrea gigas</i>) spat. <i>Chemosphere</i> , 2012, 87, 1335-1340.	8.2	45
38	Vibriosis induced by experimental cohabitation in <i>Crassostrea gigas</i> : Evidence of early infection and down-expression of immune-related genes. <i>Fish and Shellfish Immunology</i> , 2011, 30, 691-699.	3.6	39
39	First evidence of a potential antibacterial activity involving a laccase-type enzyme of the phenoloxidase system in Pacific oyster <i>Crassostrea gigas</i> haemocytes. <i>Fish and Shellfish Immunology</i> , 2011, 31, 795-800.	3.6	48
40	Responses of diploid and triploid Pacific oysters <i>Crassostrea gigas</i> to <i>Vibrio</i> infection in relation to their reproductive status. <i>Journal of Invertebrate Pathology</i> , 2011, 106, 179-191.	3.2	58
41	Experimental ostreid herpesvirus 1 infection of the Pacific oyster <i>Crassostrea gigas</i> : Kinetics of virus DNA detection by q-PCR in seawater and in oyster samples. <i>Virus Research</i> , 2011, 155, 28-34.	2.2	142
42	Experimental infection of Pacific oyster <i>Crassostrea gigas</i> spat by ostreid herpesvirus 1: demonstration of oyster spat susceptibility. <i>Veterinary Research</i> , 2011, 42, 27.	3.0	145
43	A Large-Scale Epidemiological Study to Identify Bacteria Pathogenic to Pacific Oyster <i>Crassostrea gigas</i> and Correlation Between Virulence and Metalloprotease-like Activity. <i>Microbial Ecology</i> , 2010, 59, 787-798.	2.8	125
44	A histological examination of grafting success in pearl oyster <i>Pinctada margaritifera</i> in French Polynesia. <i>Aquatic Living Resources</i> , 2010, 23, 131-140.	1.2	55
45	Genome sequence of <i>Vibrio splendidus</i> : an abundant planctonic marine species with a large genotypic diversity. <i>Environmental Microbiology</i> , 2009, 11, 1959-1970.	3.8	98
46	Real-time PCR assay for rapid detection and quantification of <i>Vibrio aestuarianus</i> in oyster and seawater: A useful tool for epidemiologic studies. <i>Journal of Microbiological Methods</i> , 2009, 77, 191-197.	1.6	81
47	Metalloprotease <i>Vsm</i> Is the Major Determinant of Toxicity for Extracellular Products of <i>Vibrio splendidus</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 7108-7117.	3.1	85
48	Correlation between Detection of a Plasmid and High-Level Virulence of <i>Vibrio nigripulchritudo</i> , a Pathogen of the Shrimp <i>Litopenaeus stylirostris</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 3038-3047.	3.1	21
49	Construction of a <i>Vibrio splendidus</i> Mutant Lacking the Metalloprotease Gene <i>vsm</i> by Use of a Novel Counterselectable Suicide Vector. <i>Applied and Environmental Microbiology</i> , 2007, 73, 777-784.	3.1	240
50	Characterization of actin genes in <i>Bonamia ostreae</i> and their application to phylogeny of the Haplosporidia. <i>Parasitology</i> , 2007, 134, 1941-1948.	1.5	20
51	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
52	Pearl Formation: Persistence of the Graft During the Entire Process of Biomineralization. <i>Marine Biotechnology</i> , 2007, 9, 113-116.	2.4	64
53	Molecular epidemiology of <i>Vibrio nigripulchritudo</i> , a pathogen of cultured penaeid shrimp (<i>Litopenaeus stylirostris</i>) in New Caledonia. <i>Systematic and Applied Microbiology</i> , 2006, 29, 570-580.	2.8	39
54	<i>Vibrio gigantis</i> sp. nov., isolated from the haemolymph of cultured oysters (<i>Crassostrea gigas</i>). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 2251-2255.	1.7	78

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55	Identification of genes that are differentially expressed in hemocytes of the Pacific blue shrimp (<i>Litopenaeus stylirostris</i>) surviving an infection with <i>Vibrio penaeicida</i> . <i>Physiological Genomics</i> , 2005, 21, 174-183.	2.3	64
56	Pathogenicity of <i>Vibrio penaeicida</i> for white shrimp <i>Litopenaeus vannamei</i> : a cysteine protease-like exotoxin as a virulence factor. <i>Diseases of Aquatic Organisms</i> , 2005, 67, 201-207.	1.0	13
57	<i>Vibrio crassostreae</i> sp. nov., isolated from the haemolymph of oysters (<i>Crassostrea gigas</i>). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 2137-2140.	1.7	64
58	Involvement of penaeidins in defense reactions of the shrimp <i>Litopenaeus stylirostris</i> to a pathogenic vibrio. <i>Cellular and Molecular Life Sciences</i> , 2004, 61, 961-972.	5.4	57
59	Response of <i>Penaeus indicus</i> females at two different stages of ovarian development to a lethal infection with <i>Vibrio penaeicida</i> . <i>Journal of Invertebrate Pathology</i> , 2003, 82, 23-33.	3.2	11
60	Recent improvements in broodstock management and larviculture in marine species in Polynesia and New Caledonia: genetic and health approaches. <i>Aquaculture</i> , 2003, 227, 89-106.	3.5	18
61	Proteinaceous exotoxins of shrimp-pathogenic isolates of <i>Vibrio penaeicida</i> and <i>Vibrio nigripulchritudo</i> . <i>Ciencias Marinas</i> , 2003, 29, 77-88.	0.4	3
62	New anonymous nuclear DNA markers for the pearl oyster <i>Pinctada margaritifera</i> and other <i>Pinctada</i> species. <i>Molecular Ecology Notes</i> , 2002, 2, 220-222.	1.7	12
63	Expression and distribution of penaeidin antimicrobial peptides are regulated by haemocyte reactions in microbial challenged shrimp. <i>FEBS Journal</i> , 2002, 269, 2678-2689.	0.2	149
64	Crustacean Immunity. <i>Journal of Biological Chemistry</i> , 2001, 276, 47070-47077.	3.4	288
65	Rapid and sensitive PCR detection of <i>Vibrio penaeicida</i> , the putative etiological agent of Syndrome 93 in New Caledonia. <i>Diseases of Aquatic Organisms</i> , 2000, 40, 109-115.	1.0	56
66	Experimental infection models for shrimp vibriosis studies: a review. <i>Aquaculture</i> , 2000, 191, 133-144.	3.5	134
67	Molecular evidence that the proliferative kidney disease organism unknown (PKX) is a myxosporean. <i>Diseases of Aquatic Organisms</i> , 1999, 36, 209-212.	1.0	13
68	Effect of hypoxic stress on the immune response and the resistance to vibriosis of the shrimp <i>Penaeus stylirostris</i> . <i>Fish and Shellfish Immunology</i> , 1998, 8, 621-629.	3.6	269
69	Polymerase chain reaction primers for investigations on the causative agent of proliferative kidney disease of salmonids. <i>Journal of Fish Diseases</i> , 1997, 20, 467-470.	1.9	39
70	Cloning, sequencing and expression of a cDNA encoding an antigen from the Myxosporean parasite causing the proliferative kidney disease of salmonid fish. <i>Molecular and Biochemical Parasitology</i> , 1996, 83, 153-161.	1.1	11
71	Antigenic and biochemical study of PKX, the myxosporean causative agent of proliferative kidney disease of salmonid fish. <i>Diseases of Aquatic Organisms</i> , 1996, 27, 103-114.	1.0	37