Denis Saulnier

List of Publications by Year
in descending order

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71	3,723	126907	133252
papers	citations	33 h-index	59 g-index

74	74	74	3231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crustacean Immunity. Journal of Biological Chemistry, 2001, 276, 47070-47077.	3.4	288
2	Effect of hypoxic stress on the immune response and the resistance to vibriosis of the shrimpPenaeus stylirostris. Fish and Shellfish Immunology, 1998, 8, 621-629.	3.6	269
3	Construction of a Vibrio splendidus Mutant Lacking the Metalloprotease Gene vsm by Use of a Novel Counterselectable Suicide Vector. Applied and Environmental Microbiology, 2007, 73, 777-784.	3.1	240
4	Bacterial community characterization of water and intestine of the shrimp Litopenaeus stylirostris in a biofloc system. BMC Microbiology, 2016, 16, 157.	3.3	183
5	Expression and distribution of penaeidin antimicrobial peptides are regulated by haemocyte reactions in microbial challenged shrimp. FEBS Journal, 2002, 269, 2678-2689.	0.2	149
6	Experimental infection of Pacific oyster Crassostrea gigas spat by ostreid herpesvirus 1: demonstration of oyster spat susceptibility. Veterinary Research, 2011, 42, 27.	3.0	145
7	Experimental ostreid herpesvirus 1 infection of the Pacific oyster Crassostrea gigas: Kinetics of virus DNA detection by q-PCR in seawater and in oyster samples. Virus Research, 2011, 155, 28-34.	2.2	142
8	Experimental infection models for shrimp vibriosis studies: a review. Aquaculture, 2000, 191, 133-144.	3.5	134
9	A Large-Scale Epidemiological Study to Identify Bacteria Pathogenic to Pacific Oyster Crassostrea gigas and Correlation Between Virulence and Metalloprotease-like Activity. Microbial Ecology, 2010, 59, 787-798.	2.8	125
10	Combination of a pesticide exposure and a bacterial challenge: In vivo effects on immune response of Pacific oyster, Crassostrea gigas (Thunberg). Aquatic Toxicology, 2007, 84, 92-102.	4.0	100
11	Genome sequence of Vibrio splendidus: an abundant planctonic marine species with a large genotypic diversity. Environmental Microbiology, 2009, 11, 1959-1970.	3.8	98
12	Temperature and Food Influence Shell Growth and Mantle Gene Expression of Shell Matrix Proteins in the Pearl Oyster Pinctada margaritifera. PLoS ONE, 2014, 9, e103944.	2.5	92
13	Metalloprotease Vsm Is the Major Determinant of Toxicity for Extracellular Products ofVibrio splendidus. Applied and Environmental Microbiology, 2008, 74, 7108-7117.	3.1	85
14	Real-time PCR assay for rapid detection and quantification of Vibrio aestuarianus in oyster and seawater: A useful tool for epidemiologic studies. Journal of Microbiological Methods, 2009, 77, 191-197.	1.6	81
15	Vibrio gigantis sp. nov., isolated from the haemolymph of cultured oysters (Crassostrea gigas). International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 2251-2255.	1.7	78
16	Identification of genes associated with shell color in the black-lipped pearl oyster, Pinctada margaritifera. BMC Genomics, 2015, 16, 568.	2.8	74
17	Vibrio crassostreae sp. nov., isolated from the haemolymph of oysters (Crassostrea gigas). International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 2137-2140.	1.7	64
18	Identification of genes that are differentially expressed in hemocytes of the Pacific blue shrimp (Litopenaeus stylirostris) surviving an infection with Vibrio penaeicida. Physiological Genomics, 2005, 21, 174-183.	2.3	64

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19	Pearl Formation: Persistence of the Graft During the Entire Process of Biomineralization. Marine Biotechnology, 2007, 9, 113-116.	2.4	64
20	Responses of diploid and triploid Pacific oysters Crassostrea gigas to Vibrio infection in relation to their reproductive status. Journal of Invertebrate Pathology, 2011, 106, 179-191.	3.2	58
21	Involvement of penaeidins in defense reactions of the shrimp Litopenaeus stylirostris to a pathogenic vibrio. Cellular and Molecular Life Sciences, 2004, 61, 961-972.	5.4	57
22	Rapid and sensitive PCR detection of Vibrio penaeicida, the putative etiological agent of Syndrome 93 in New Caledonia. Diseases of Aquatic Organisms, 2000, 40, 109-115.	1.0	56
23	A histological examination of grafting success in pearl oysterPinctada margaritiferain French Polynesia. Aquatic Living Resources, 2010, 23, 131-140.	1.2	55
24	Symbiodinium clades A and D differentially predispose Acropora cytherea to disease and Vibrio spp. colonization. Ecology and Evolution, 2016, 6, 560-572.	1.9	49
25	First evidence of a potential antibacterial activity involving a laccase-type enzyme of the phenoloxidase system in Pacific oyster Crassostrea gigas haemocytes. Fish and Shellfish Immunology, 2011, 31, 795-800.	3.6	48
26	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 (Crassostrea gigas) spat. Chemosphere, 2012, 87, 1335-1340.	8.2	45
27	Relative contribution of natural productivity and compound feed to tissue growth in blue shrimp (Litopenaeus stylirostris) reared in biofloc: Assessment by C and N stable isotope ratios and effect on key digestive enzymes. Aquaculture, 2015, 448, 288-297.	3.5	43
28	Rearing effect of biofloc on antioxidant and antimicrobial transcriptional response in Litopenaeus stylirostris shrimp facing an experimental sub-lethal hydrogen peroxide stress. Fish and Shellfish Immunology, 2015, 45, 933-939.	3.6	43
29	Polymerase chain reaction primers for investigations on the causative agent of proliferative kidney disease of salmonids. Journal of Fish Diseases, 1997, 20, 467-470.	1.9	39
30	Molecular epidemiology of Vibrio nigripulchritudo, a pathogen of cultured penaeid shrimp (Litopenaeus stylirostris) in New Caledonia. Systematic and Applied Microbiology, 2006, 29, 570-580.	2.8	39
31	Vibriosis induced by experimental cohabitation in Crassostrea gigas: Evidence ofÂearly infection and down-expression of immune-related genes. Fish and Shellfish Immunology, 2011, 30, 691-699.	3.6	39
32	Antigenic and biochemical study of PKX, the myxosporean causative agent of proliferative kidney disease of salmonid fish. Diseases of Aquatic Organisms, 1996, 27, 103-114.	1.0	37
33	First description of French V. tubiashii strains pathogenic to mollusk: I. Characterization of isolates and detection during mortality events. Journal of Invertebrate Pathology, 2014, 123, 38-48.	3.2	35
34	An updated assessment ofSymbiodiniumspp. that associate with common scleractinian corals from Moorea (French Polynesia) reveals high diversity among background symbionts and a novel finding of clade B. PeerJ, 2017, 5, e2856.	2.0	34
35	Culture site dependence on pearl size realization in Pinctada margaritifera in relation to recipient oyster growth and mantle graft biomineralization gene expression using the same donor phenotype. Estuarine, Coastal and Shelf Science, 2016, 182, 294-303.	2.1	30
36	Pinctada margaritifera responses to temperature and pH: Acclimation capabilities and physiological limits. Estuarine, Coastal and Shelf Science, 2016, 182, 261-269.	2.1	29

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37	Development of a duplex Taqman real-time PCR assay for rapid identification of Vibrio splendidus -related and V. aestuarianus strains from bacterial cultures. Journal of Microbiological Methods, 2017, 140, 67-69.	1.6	27
38	Development of TaqMan real-time PCR assays for monitoring Vibrio harveyi infection and a plasmid harbored by virulent strains in European abalone Haliotis tuberculata aquaculture. Aquaculture, 2013, 392-395, 106-112.	3.5	24
39	Factors other than metalloprotease are required for full virulence of French Vibrio tubiashii isolates in oyster larvae. Microbiology (United Kingdom), 2015, 161, 997-1007.	1.8	24
40	Quorum sensing inhibitors from Leucetta chagosensis Dendy, 1863. Letters in Applied Microbiology, 2015, 61, 311-317.	2.2	23
41	Correlation between Detection of a Plasmid and High-Level Virulence of Vibrio nigripulchritudo , a Pathogen of the Shrimp Litopenaeus stylirostris. Applied and Environmental Microbiology, 2008, 74, 3038-3047.	3.1	21
42	First molecular evidence of cross-species induction of metalloprotease gene expression in Vibrio strains pathogenic for Pacific oyster Crassostrea gigas involving a quorum sensing system. Aquaculture, 2013, 392-395, 1-7.	3.5	21
43	Effects of local Polynesian plants and algae on growth and expression of two immune-related genes in orbicular batfish (Platax orbicularis). Fish and Shellfish Immunology, 2016, 58, 82-88.	3.6	21
44	Quorum Sensing Inhibitory and Antifouling Activities of New Bromotyrosine Metabolites from the Polynesian Sponge Pseudoceratina n. sp.. Marine Drugs, 2020, 18, 272.	4.6	21
45	Genetic diversity and population structure of Tenacibaculum maritimum, a serious bacterial pathogen of marine fish: from genome comparisons to high throughput MALDI-TOF typing. Veterinary Research, 2020, 51, 60.	3.0	21
46	Characterization of actin genes inBonamia ostreaeand their application to phylogeny of the Haplosporidia. Parasitology, 2007, 134, 1941-1948.	1.5	20
47	Impact of pCO2 on the energy, reproduction and growth of the shell of the pearl oyster Pinctada margaritifera. Estuarine, Coastal and Shelf Science, 2016, 182, 274-282.	2.1	19
48	Recent improvements in broodstock management and larviculture in marine species in Polynesia and New Caledonia: genetic and health approaches. Aquaculture, 2003, 227, 89-106.	3.5	18
49	Use of Natural Antimicrobial Peptides and Bacterial Biopolymers for Cultured Pearl Production. Marine Drugs, 2015, 13, 3732-3744.	4.6	16
50	Shellfish culture: a complex driver of planktonic communities. Reviews in Aquaculture, 2020, 12, 33-46.	9.0	14
51	Influence of preoperative food and temperature conditions on pearl biogenesis in Pinctada margaritifera. Aquaculture, 2017, 479, 176-187.	3.5	14
52	Influence of water temperature and food on the last stages of cultured pearl mineralization from the black-lip pearl oyster Pinctada margaritifera. PLoS ONE, 2018, 13, e0193863.	2.5	14
53	Molecular evidence that the proliferative kidney disease organism unknown (PKX) is a myxosporean. Diseases of Aquatic Organisms, 1999, 36, 209-212.	1.0	13
54	Pathogenicity of Vibrio penaeicida for white shrimp Litopenaeus vannamei: a cysteine protease-like exotoxin as a virulence factor. Diseases of Aquatic Organisms, 2005, 67, 201-207.	1.0	13

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55	New anonymous nuclear DNA markers for the pearl oyster Pinctada margaritifera and other Pinctada species. Molecular Ecology Notes, 2002, 2, 220-222.	1.7	12
56	Cloning, sequencing and expression of a cDNA encoding an antigen from the Myxosporean parasite causing the proliferative kidney disease of salmonid fish. Molecular and Biochemical Parasitology, 1996, 83, 153-161.	1.1	11
57	Response of Penaeus indicus females at two different stages of ovarian development to a lethal infection with Vibrio penaeicida. Journal of Invertebrate Pathology, 2003, 82, 23-33.	3.2	11
58	First description of French V. tubiashii strains pathogenic to mollusk: II. Characterization of properties of the proteolytic fraction of extracellular products. Journal of Invertebrate Pathology, 2014, 123, 49-59.	3.2	11
59	A Ringâ€Distortion Strategy from Marine Natural Product Ilimaquinone Leads to Quorum Sensing Modulators. European Journal of Organic Chemistry, 2018, 2018, 2486-2497.	2.4	11
60	Influence of temperature and pearl rotation on biomineralization in the pearl oyster Pinctada margaritifera. Journal of Experimental Biology, 2018, 221, .	1.7	10
61	Amorphous-to-crystal transition in the layer-by-layer growth of bivalve shell prisms. Acta Biomaterialia, 2022, 142, 194-207.	8.3	10
62	Potential of tropical macroalgae from French Polynesia for biotechnological applications. Journal of Applied Phycology, 2020, 32, 2343-2362.	2.8	7
63	First Isolation of Virulent Tenacibaculum maritimum Isolates from Diseased Orbicular Batfish (Platax) Tj ETQq1 1 0.784314 rgBT /Over	2.8	5
64	Potential of fascaplysin and palauolide from Fascaplysinopsis cf reticulata to reduce the risk of bacterial infection in fish farming. Fisheries and Aquatic Sciences, 2019, 22, .	0.8	4
65	Nonâ€spherical pearl layers in the Polynesian â€˜blackâ€lippedâ€™ Pinctada margaritifera : The nonâ€nacreous deposits compared to microstructure of the shell growing edge. Aquaculture Research, 2020, 51, 506-522.	1.8	4
66	Effect of electrolysis treatment on the biomineralization capacities of pearl oyster Pinctada margaritifera juveniles. Estuarine, Coastal and Shelf Science, 2016, 182, 235-242.	2.1	3
67	Description of the unusual digestive tract ofPlatax orbicularisand the potential impact ofTenacibaculum maritimuminfection. PeerJ, 2020, 8, e9966.	2.0	3
68	Proteinaceous exotoxins of shrimp-pathogenic isolates of Vibrio penaeicida and Vibrio nigripulchritudo. Ciencias Marinas, 2003, 29, 77-88.	0.4	3
69	Phenotype plasticity, local adaptation, and biofouling influence on growth of the pearl oyster Pinctada margaritifera: A common garden approach. Aquaculture, 2019, 512, 734309.	3.5	2
70	Synchrotron-Based HR-Fluorescence and Mineralogical Mapping of the Initial Growth Stages of Polynesian Cultivated Pearls Disprove the â€˜Reversed Shellâ€™ Concept. Minerals (Basel, Switzerland), 2022, 12, 172.	2.0	2
71	Interplay between hormonal and morphological changes throughout a critical period of larval rearing in the orbicular batfish. Aquaculture Reports, 2020, 18, 100521.	1.7	0