

Jeffrey D Shields

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,533
citations

172457

29
h-index

206112

48
g-index

62
all docs

62
docs citations

62
times ranked

1528
citing authors

#	ARTICLE	IF	CITATIONS
1	Avoidance of disease by social lobsters. <i>Nature</i> , 2006, 441, 421-421.	27.8	238
2	A review of the parasitic dinoflagellates <i>Hematodinium</i> species and <i>Hematodinium</i> -like infections in marine crustaceans. <i>Diseases of Aquatic Organisms</i> , 2005, 66, 47-70.	1.0	191
3	A new pathogenic virus in the Caribbean spiny lobster <i>Panulirus argus</i> from the Florida Keys. <i>Diseases of Aquatic Organisms</i> , 2004, 59, 109-118.	1.0	136
4	The parasitic dinoflagellates of marine crustaceans. <i>Annual Review of Fish Diseases</i> , 1994, 4, 241-271.	1.0	117
5	Managing marine disease emergencies in an era of rapid change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150364.	4.0	109
6	Diseases of spiny lobsters: A review. <i>Journal of Invertebrate Pathology</i> , 2011, 106, 79-91.	3.2	87
7	Parasites and Symbionts of the Crab <i>Portunus Pelagicus</i> from Moreton Bay, Eastern Australia. <i>Journal of Crustacean Biology</i> , 1992, 12, 94-100.	0.8	85
8	<i>Pfiesteria shumwayae</i> kills fish by micropredation not exotoxin secretion. <i>Nature</i> , 2002, 418, 967-970.	27.8	83
9	Infestation by Brood Symbionts and Their Impact on Egg Mortality of the Red King Crab, <i>Paralithodes camtschatica</i> , in Alaska: Geographic and Temporal Variation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1991, 48, 559-568.	1.4	79
10	The impact of pathogens on exploited populations of decapod crustaceans. <i>Journal of Invertebrate Pathology</i> , 2012, 110, 211-224.	3.2	73
11	Primary culture of hemocytes from the Caribbean spiny lobster, <i>Panulirus argus</i> , and their susceptibility to <i>Panulirus argus</i> Virus 1 (PaV1). <i>Journal of Invertebrate Pathology</i> , 2007, 94, 48-55.	3.2	66
12	Epidemiology of bitter crab disease (<i>Hematodinium</i> sp.) in snow crabs <i>Chionoecetes opilio</i> from Newfoundland, Canada. <i>Diseases of Aquatic Organisms</i> , 2005, 64, 253-264.	1.0	62
13	Transmission of <i>Panulirus argus</i> virus 1 (PaV1) and its effect on the survival of juvenile Caribbean spiny lobster. <i>Diseases of Aquatic Organisms</i> , 2008, 79, 173-182.	1.0	58
14	Improving marine disease surveillance through sea temperature monitoring, outlooks and projections. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150208.	4.0	55
15	Pathology and hematology of the Caribbean spiny lobster experimentally infected with <i>Panulirus argus</i> virus 1 (PaV1). <i>Virus Research</i> , 2008, 132, 104-113.	2.2	53
16	MOLECULAR DETECTION OF HEMATODINIUM SP. INFECTING THE BLUE CRAB, <i>CALLINECTES SAPIDUS</i> . <i>Journal of Shellfish Research</i> , 2007, 26, 131-139.	0.9	46
17	Epidemiological determinants in outbreaks of bitter crab disease (<i>Hematodinium</i> sp.) in snow crabs <i>Chionoecetes opilio</i> from Conception Bay, Newfoundland, Canada. <i>Diseases of Aquatic Organisms</i> , 2007, 77, 61-72.	1.0	46
18	Morphological and Molecular Characterization of <i>Hematodinium perezii</i> (Dinophyceae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Eukaryotic Microbiology, 2012, 59, 54-66.	1.7	45

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19	Complex etiologies of emerging diseases in lobsters (<i>Homarus americanus</i>) from Long Island Sound. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 1576-1587.	1.4	43
20	Monitoring the prevalence of the parasitic dinoflagellate <i>Hematodinium</i> sp. in snow crabs <i>Chionoecetes opilio</i> from Conception Bay, Newfoundland. Diseases of Aquatic Organisms, 2003, 53, 67-75.	1.0	43
21	Detection of <i>Panulirus argus</i> Virus 1 (PaV1) in the Caribbean spiny lobster using fluorescence in situ hybridization (FISH). Diseases of Aquatic Organisms, 2006, 72, 185-192.	1.0	41
22	Infectivity and pathogenicity of the oomycete <i>Aphanomyces invadans</i> in Atlantic menhaden <i>Brevoortia tyrannus</i> . Diseases of Aquatic Organisms, 2003, 54, 135-146.	1.0	40
23	Induction of Skin Ulcers in Atlantic Menhaden by Injection and Aqueous Exposure to the Zoospores of <i>Aphanomyces invadans</i> . Journal of Aquatic Animal Health, 2002, 14, 11-24.	1.4	39
24	Detection and quantification of the free-living stage of the parasitic dinoflagellate <i>Hematodinium</i> sp. in laboratory and environmental samples. Harmful Algae, 2010, 9, 515-521.	4.8	37
25	The Role of Alternate Hosts in the Ecology and Life History of <i>Hematodinium</i> sp., a Parasitic Dinoflagellate of the Blue Crab (<i>Callinectes sapidus</i>). Journal of Parasitology, 2012, 98, 73-84.	0.7	35
26	Impact of disease on the survival of three commercially fished species. Ecological Applications, 2017, 27, 2116-2127.	3.8	35
27	Pathology of <i>Hematodinium</i> infections in snow crabs (<i>Chionoecetes opilio</i>) from Newfoundland, Canada. Journal of Invertebrate Pathology, 2007, 95, 93-100.	3.2	33
28	PaV1 infection in the Florida spiny lobster (<i>Panulirus argus</i>) fishery and its effects on trap function and disease transmission. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 136-144.	1.4	33
29	Histological Assessment of the Lobster (<i>Homarus americanus</i>) in the "100 Lobsters" Project. Journal of Shellfish Research, 2012, 31, 439-447.	0.9	33
30	Rising Temperatures, Molting Phenology, and Epizootic Shell Disease in the American Lobster. American Naturalist, 2018, 192, E163-E177.	2.1	32
31	Ecological and physiological effects of PaV1 infection on the Caribbean spiny lobster (<i>Panulirus argus</i>)	1.5	31
32	<i>In vitro</i> culture and developmental cycle of the parasitic dinoflagellate <i>Hematodinium</i> sp. from the blue crab <i>Callinectes sapidus</i> . Parasitology, 2011, 138, 1924-1934.	1.5	27
33	The Effect of Salinity On Experimental Infections of A <i>Hematodinium</i> SP. In Blue Crabs, <i>Callinectes sapidus</i> . Journal of Parasitology, 2012, 98, 536-542.	0.7	27
34	Behavioral Immunity Suppresses an Epizootic in Caribbean Spiny Lobsters. PLoS ONE, 2015, 10, e0126374.	2.5	27
35	Climate change enhances disease processes in crustaceans: case studies in lobsters, crabs, and shrimps. Journal of Crustacean Biology, 0, , .	0.8	25
36	<i>Oculophryxus bicaulis</i> , a new genus and species of dajid isopod parasitic on the euphausiid <i>Stylocheiron</i> affine Hansen. International Journal for Parasitology, 1996, 26, 261-268.	3.1	23

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37	<i>Carcinonemertes regicides</i> n.sp. (Nemertea), a symbiotic egg predator from the red king crab, <i>Paralithodes camtschatica</i> (Decapoda: Anomura), in Alaska. Canadian Journal of Zoology, 1989, 67, 923-930.	1.0	22
38	Overwintering of the parasitic dinoflagellate <i>Hematodinium perezii</i> in dredged blue crabs (<i>Callinectes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.2	21
39	Lack of transmission of <i>Hematodinium</i> sp. in the blue crab <i>Callinectes sapidus</i> through cannibalism. Diseases of Aquatic Organisms, 2011, 96, 249-258.	1.0	18
40	An In Vitro Analysis of Egg Mortality in <i>Cancer anthonyi</i> : The Role of Symbionts and Temperature. Biological Bulletin, 1988, 174, 267-275.	1.8	16
41	The influence of temperature and salinity on mortality of recently recruited blue crabs, <i>Callinectes sapidus</i> , naturally infected with <i>Hematodinium perezii</i> (Dinoflagellata). Journal of Invertebrate Pathology, 2018, 152, 8-16.	3.2	16
42	Investigating risk factors for mortality and reovirus infection in aquaculture production of soft-shell blue crabs (<i>Callinectes sapidus</i>). Aquaculture, 2019, 502, 289-295.	3.5	16
43	Histopathology of idiopathic lesions in the eyes of <i>Homarus americanus</i> from Long Island Sound. Journal of Invertebrate Pathology, 2006, 91, 88-97.	3.2	15
44	Patterns in the natural transmission of the parasitic dinoflagellate <i>Hematodinium perezii</i> in American blue crabs, <i>Callinectes sapidus</i> from a highly endemic area. Marine Biology, 2017, 164, 1.	1.5	15
45	<i>Ameson metacarcini</i> sp. nov. (Microsporidia) infecting the muscles of Dungeness crabs <i>Metacarcinus magister</i> from British Columbia, Canada. Diseases of Aquatic Organisms, 2014, 110, 213-225.	1.0	14
46	Idiopathic Lesions and Visual Deficits in the American Lobster (<i>Homarus americanus</i>) From Long Island Sound, NY. Biological Bulletin, 2009, 217, 95-101.	1.8	13
47	The "100 Lobsters" Project: A Cooperative Demonstration Project for Health Assessments of Lobsters from Rhode Island. Journal of Shellfish Research, 2012, 31, 431-438.	0.9	13
48	Effects of the parasitic dinoflagellate <i>Hematodinium perezii</i> on blue crab (<i>Callinectes sapidus</i>) behavior and predation. Journal of Experimental Marine Biology and Ecology, 2014, 461, 381-388.	1.5	13
49	An unusual cuticular tumor-like growth on the abdomen of a lobster, <i>Homarus americanus</i> . Journal of Invertebrate Pathology, 2013, 114, 245-249.	3.2	12
50	Factors influencing the sporulation and cyst formation of <i>Aphanomyces invadans</i> , etiological agent of ulcerative mycosis in Atlantic menhaden, <i>Brevoortia tyrannus</i> . Mycologia, 2005, 97, 569-575.	1.9	11
51	Host behavior alters spiny lobster "viral disease dynamics: a simulation study. Ecology, 2014, 95, 2346-2361.	3.2	11
52	Collection techniques for the analyses of pathogens in crustaceans. Journal of Crustacean Biology, 2017, 37, 753-763.	0.8	11
53	Experimental infections of <i>Orchitophrya stellarum</i> (Scuticociliata) in American blue crabs (<i>Callinectes sapidus</i>) and fiddler crabs (<i>Uca minax</i>). Journal of Invertebrate Pathology, 2013, 114, 346-355.	3.2	10
54	Factors influencing the sporulation and cyst formation of <i>Aphanomyces invadans</i> , etiological agent of ulcerative mycosis in Atlantic menhaden, <i>Brevoortia tyrannus</i> . Mycologia, 2005, 97, 569-575.	1.9	7

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55	Acute and long-term manganese exposure and subsequent accumulation in relation to idiopathic blindness in the American lobster, <i>Homarus americanus</i> . <i>Aquatic Toxicology</i> , 2020, 219, 105379.	4.0	6
56	Bait-subsidized diets and their effects on ovigerous North American lobsters (<i>Homarus americanus</i>). <i>Aquaculture International</i> , 2018, 26, 1311-1326.	2.2	5
57	Genotypic variation in the parasitic dinoflagellate <i>Hematodinium perezii</i> along the Delmarva Peninsula, Virginia. <i>Marine Biology</i> , 2014, 161, 261-273.	1.5	4
58	Range Extension for <i>Oculophryxus bicaulis</i> Shields & GÖmez, 1996 (Isopoda, Dajidae) in the South China Sea. <i>Crustaceana</i> , 1998, 71, 167-170.	0.3	3
59	Fiddler crabs (<i>Uca</i> spp.) as model hosts for laboratory infections of <i>Hematodinium perezii</i> . <i>Journal of Invertebrate Pathology</i> , 2017, 143, 11-17.	3.2	2
60	Development of rapid diagnostic techniques for idiopathic blindness in the American lobster, <i>Homarus americanus</i> , from eastern Long Island Sound. <i>Bulletin of Marine Science</i> , 2018, 94, 945-957.	0.8	2