

Russell J Schmitt

List of Publications by Year in descending order

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89
papers

4,868
citations

81839

39
h-index

102432

66
g-index

89
all docs

89
docs citations

89
times ranked

4396
citing authors

#	ARTICLE	IF	CITATIONS
1	COMPETITION FOR SHELTER SPACE CAUSES DENSITY-DEPENDENT PREDATION MORTALITY IN DAMSELFISHES. Ecology, 2002, 83, 2855-2868.	1.5	309
2	Analysis of abrupt transitions in ecological systems. Ecosphere, 2011, 2, art129.	1.0	239
3	Herbivory, Connectivity, and Ecosystem Resilience: Response of a Coral Reef to a Large-Scale Perturbation. PLoS ONE, 2011, 6, e23717.	1.1	223
4	The Combined Effects of Predation Risk and Food Reward on Patch Selection. Ecology, 1988, 69, 125-134.	1.5	173
5	Climate-driven increases in storm frequency simplify help forest food webs. Global Change Biology, 2011, 17, 2513-2524.	4.2	172
6	CHANGES IN AN ASSEMBLAGE OF TEMPERATE REEF FISHES ASSOCIATED WITH A CLIMATE SHIFT. , 1997, 7, 1299-1310.		154
7	Indirect Interactions Between Prey: Apparent Competition, Predator Aggregation, and Habitat Segregation. Ecology, 1987, 68, 1887-1897.	1.5	137
8	Habitat biodiversity as a determinant of fish community structure on coral reefs. Ecology, 2011, 92, 2285-2298.	1.5	124
9	Nitrogen pollution interacts with heat stress to increase coral bleaching across the seascape. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5351-5357.	3.3	112
10	Recruitment Drives Spatial Variation in Recovery Rates of Resilient Coral Reefs. Scientific Reports, 2018, 8, 7338.	1.6	106
11	Gape-limitation, foraging tactics and prey size selectivity of two microcarnivorous species of fish. Oecologia, 1984, 63, 6-12.	0.9	102
12	MORTALITY OF JUVENILE DAMSELFISH: IMPLICATIONS FOR ASSESSING PROCESSES THAT DETERMINE ABUNDANCE. Ecology, 1999, 80, 35-50.	1.5	100
13	Symbiotic crabs maintain coral health by clearing sediments. Coral Reefs, 2006, 25, 609-615.	0.9	99
14	Effects of sheltering fish on growth of their host corals. Marine Biology, 2008, 155, 521-530.	0.7	94
15	Causes and Consequences of Dietary Specialization in Surfperches: Patch Choice and Intraspecific Competition. Ecology, 1992, 73, 402-412.	1.5	93
16	Rethinking ecological inference: density dependence in reef fishes. Ecology Letters, 2002, 5, 715-721.	3.0	85
17	Gene flow at three spatial scales in a coral reef fish, the three-spot dascyllus, <i>Dascyllus trimaculatus</i> . Marine Biology, 2001, 138, 457-465.	0.7	82
18	Patch selection by juvenile black surfperch (Embiotocidae) under variable risk: Interactive influence of food quality and structural complexity. Journal of Experimental Marine Biology and Ecology, 1985, 85, 269-285.	0.7	79

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19	Mutualism can mediate competition and promote coexistence. <i>Ecology Letters</i> , 2003, 6, 898-902.	3.0	79
20	Settlement and recruitment of three damselfish species: larval delivery and competition for shelter space. <i>Oecologia</i> , 1999, 118, 76-86.	0.9	78
21	Coral Reef Resilience, Tipping Points and the Strength of Herbivory. <i>Scientific Reports</i> , 2016, 6, 35817.	1.6	75
22	HABITAT-LIMITED RECRUITMENT OF CORAL REEF DAMSELFISH. <i>Ecology</i> , 2000, 81, 3479-3494.	1.5	74
23	Nitrogen Identity Drives Differential Impacts of Nutrients on Coral Bleaching and Mortality. <i>Ecosystems</i> , 2020, 23, 798-811.	1.6	72
24	Variation in structural attributes of patch-forming corals and in patterns of abundance of associated fishes. <i>Marine and Freshwater Research</i> , 2002, 53, 1045.	0.7	68
25	Resource Overlap, Prey Dynamics, and The Strength of Competition. <i>Ecology</i> , 1989, 70, 1943-1953.	1.5	67
26	Spatial and Temporal Patterns in Assemblages of Temperate Reef Fish. <i>American Zoologist</i> , 1994, 34, 463-475.	0.7	67
27	Experimental support for alternative attractors on coral reefs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4372-4381.	3.3	64
28	Seasonally fluctuating resources and temporal variability of interspecific competition. <i>Oecologia</i> , 1986, 69, 1-11.	0.9	61
29	Biological and Physical Interactions on a Tropical Island Coral Reef: Transport and Retention Processes on Moorea, French Polynesia. <i>Oceanography</i> , 2013, 26, 52-63.	0.5	61
30	Predicting coral community recovery using multi-species population dynamics models. <i>Ecology Letters</i> , 2018, 21, 1790-1799.	3.0	59
31	Very high resolution mapping of coral reef state using airborne bathymetric LiDAR surface-intensity and drone imagery. <i>International Journal of Remote Sensing</i> , 2018, 39, 5676-5688.	1.3	53
32	Exploitation Competition in Mobile Grazers: Trade-offs in Use of a Limited Resource. <i>Ecology</i> , 1995, 77, 408-425.	1.5	49
33	Landscape-scale patterns of nutrient enrichment in a coral reef ecosystem: implications for coral to algae phase shifts. <i>Ecological Applications</i> , 2021, 31, e2227.	1.8	49
34	Cooperative Foraging by Yellowtail, <i>Seriola lalandei</i> (Carangidae), on Two Species of Fish Prey. <i>Copeia</i> , 1982, 1982, 714.	1.4	48
35	How will coral reef fish communities respond to climate-driven disturbances? Insight from landscape-scale perturbations. <i>Oecologia</i> , 2014, 176, 285-296.	0.9	47
36	Experimental analyses of patch selection by foraging black surfperch (<i>Embiotoca jacksoni</i> Agazzi). <i>Journal of Experimental Marine Biology and Ecology</i> , 1984, 79, 39-64.	0.7	46

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37	Population Responses of Surfperch Released from Competition. <i>Ecology</i> , 1990, 71, 1653-1665.	1.5	46
38	Predictability of fish assemblages on coral patch reefs. <i>Marine and Freshwater Research</i> , 2002, 53, 181.	0.7	46
39	Spatial and temporal variation in mortality of newly settled damselfish: patterns, causes and co-variation with settlement. <i>Oecologia</i> , 2003, 135, 532-541.	0.9	44
40	THE SCALE AND CAUSE OF SPATIAL HETEROGENEITY IN STRENGTH OF TEMPORAL DENSITY DEPENDENCE. <i>Ecology</i> , 2007, 88, 1241-1249.	1.5	43
41	Influence of corallivory, competition, and habitat structure on coral community shifts. <i>Ecology</i> , 2011, 92, 1959-1971.	1.5	42
42	Response of herbivore functional groups to sequential perturbations in Moorea, French Polynesia. <i>Coral Reefs</i> , 2016, 35, 999-1009.	0.9	42
43	Reef Fishes in Biodiversity Hotspots Are at Greatest Risk from Loss of Coral Species. <i>PLoS ONE</i> , 2015, 10, e0124054.	1.1	40
44	Variation in surfperch diets between allopatry and sympatry: circumstantial evidence for competition. <i>Oecologia</i> , 1983, 58, 402-410.	0.9	39
45	Consequences of Dissimilar Defenses Against Predation in a Subtidal Marine Community. <i>Ecology</i> , 1982, 63, 1588-1601.	1.5	38
46	Effects of predation risk on foraging behavior: mechanisms altering patch choice. <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 121, 151-163.	0.7	38
47	Dynamics of mutualist populations that are demographically open. <i>Journal of Animal Ecology</i> , 2006, 75, 1239-1251.	1.3	38
48	Fish communities on staghorn coral: effects of habitat characteristics and resident farmerfishes. <i>Environmental Biology of Fishes</i> , 2011, 91, 429-448.	0.4	33
49	Predation and landscape characteristics independently affect reef fish community organization. <i>Ecology</i> , 2014, 95, 1294-1307.	1.5	33
50	POPULATION DYNAMICS OF A DAMSELFISH: EFFECTS OF A COMPETITOR THAT ALSO IS AN INDIRECT MUTUALIST. <i>Ecology</i> , 2004, 85, 979-985.	1.5	32
51	The role of microhabitat preference and social organization in determining the spatial distribution of a coral reef fish. <i>Environmental Biology of Fishes</i> , 2009, 84, 1-10.	0.4	32
52	Contrasting anti-predator defenses of sympatric marine gastropods (family Trochidae). <i>Journal of Experimental Marine Biology and Ecology</i> , 1981, 54, 251-263.	0.7	31
53	Mechanisms and consequences of shell fouling in the kelp snail, <i>Norrissia norrisi</i> (Sowerby) (Trochidae): Indirect effects of octopus drilling. <i>Journal of Experimental Marine Biology and Ecology</i> , 1983, 69, 267-281.	0.7	30
54	Competitive Interactions of Two Mobile Prey Species in a Patchy Environment. <i>Ecology</i> , 1985, 66, 950-958.	1.5	30

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55	Hydrodynamics influence coral performance through simultaneous direct and indirect effects. <i>Ecology</i> , 2015, 96, 1540-1549.	1.5	30
56	Dietary partitioning promotes the coexistence of planktivorous species on coral reefs. <i>Molecular Ecology</i> , 2019, 28, 2694-2710.	2.0	30
57	Food acquisition by competing surfperch on a patchy environmental gradient. <i>Environmental Biology of Fishes</i> , 1986, 16, 135-146.	0.4	29
58	Indirect effects of species interactions on habitat provisioning. <i>Oecologia</i> , 2011, 166, 739-749.	0.9	29
59	Contrasting effects of giant kelp on dynamics of surfperch populations. <i>Oecologia</i> , 1990, 84, 419-429.	0.9	28
60	Intraguild predation in a structured habitat: distinguishing multiple predator effects from competitor effects. <i>Ecology</i> , 2009, 90, 2434-2443.	1.5	27
61	Complexities and Uncertainties in Transitioning Small-Scale Coral Reef Fisheries. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	27
62	Macroalgae size refuge from herbivory promotes alternative stable states on coral reefs. <i>PLoS ONE</i> , 2018, 13, e0202273.	1.1	27
63	Temporally Concordant Structure of a Fish Assemblage: Bound or Determined?. <i>American Naturalist</i> , 1990, 135, 63-73.	1.0	26
64	Stable Isotopes Reveal Trophic Relationships and Diet of Consumers in Temperate Kelp Forest and Coral Reef Ecosystems. <i>Oceanography</i> , 2013, 26, 180-189.	0.5	25
65	High resolution topobathymetry using a Pleiades-1 triplet: Moorea Island in 3D. <i>Remote Sensing of Environment</i> , 2018, 208, 109-119.	4.6	25
66	Perceptions and responses of Pacific Island fishers to changing coral reefs. <i>Ambio</i> , 2020, 49, 130-143.	2.8	25
67	Coral Reef Monitoring by Scuba Divers Using Underwater Photogrammetry and Geodetic Surveying. <i>Remote Sensing</i> , 2020, 12, 3036.	1.8	23
68	Fluctuations in food supply drive recruitment variation in a marine fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4542-4550.	1.2	22
69	Sublethal toxicant effects with dynamic energy budget theory: application to mussel outplants. <i>Ecotoxicology</i> , 2010, 19, 38-47.	1.1	20
70	Triggers and maintenance of multiple shifts in the state of a natural community. <i>Oecologia</i> , 2010, 164, 489-498.	0.9	19
71	Critical Information Gaps Impeding Understanding of the Role of Larval Connectivity Among Coral Reef Islands in an Era of Global Change. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	18
72	Compensation in resource use by foragers released from interspecific competition. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 185, 219-233.	0.7	16

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73	Spatial patterns of self-recruitment of a coral reef fish in relation to island-scale retention mechanisms. <i>Molecular Ecology</i> , 2016, 25, 5203-5211.	2.0	16
74	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. <i>GigaScience</i> , 2016, 5, 14.	3.3	15
75	Declines in regional fish populations: have species responded similarly to environmental change?. <i>Marine and Freshwater Research</i> , 2002, 53, 189.	0.7	14
76	Isolation and characterization of eight polymorphic microsatellite markers from the orange-fin anemonefish, <i>Amphiprion chrysopterus</i> . <i>Conservation Genetics Resources</i> , 2009, 1, 333-335.	0.4	14
77	Stochastic density effects on adult fish survival and implications for population fluctuations. <i>Ecology Letters</i> , 2016, 19, 153-162.	3.0	14
78	Resilience: insights from the U.S. LongTerm Ecological Research Network. <i>Ecosphere</i> , 2021, 12, e03434.	1.0	11
79	Correlates of spatial variation in settlement of two tropical damselfishes. <i>Marine and Freshwater Research</i> , 2002, 53, 329.	0.7	10
80	Evaluating the precariousness of coral recovery when coral and macroalgae are alternative basins of attraction. <i>Limnology and Oceanography</i> , 2022, 67, .	1.6	10
81	Spatial covariation in nutrient enrichment and fishing of herbivores in an oceanic coral reef ecosystem. <i>Ecological Applications</i> , 2022, 32, e2515.	1.8	9
82	Potential feedback between coral presence and farmerfish collective behavior promotes coral recovery. <i>Oikos</i> , 2019, 128, 482-492.	1.2	7
83	Isolation and characterization of 13 polymorphic nuclear microsatellite primers for the widespread Indo-Pacific three-spot damselfish, <i>Dascyllus trimaculatus</i> , and closely related <i>D. auripinnis</i> . <i>Molecular Ecology Resources</i> , 2009, 9, 213-215.	2.2	6
84	Effects of corallivory and coral colony density on coral growth and survival. <i>Coral Reefs</i> , 2021, 40, 283-288.	0.9	6
85	How do fisher responses to macroalgal overgrowth influence the resilience of coral reefs?. <i>Limnology and Oceanography</i> , 2022, 67, .	1.6	4
86	Long-term ecological research and the COVID-19 anthropause: A window to understanding social-ecological disturbance. <i>Ecosphere</i> , 2022, 13, e4019.	1.0	4
87	Collective aggressiveness of an ecosystem engineer is associated with coral recovery. <i>Behavioral Ecology</i> , 2018, .	1.0	2
88	Habitat-Limited Recruitment of Coral Reef Damselfish. <i>Ecology</i> , 2000, 81, 3479.	1.5	2
89	COMPETITION FOR SHELTER SPACE CAUSES DENSITY-DEPENDENT PREDATION MORTALITY IN DAMSELFISHES. , 2002, 83, 2855.		1