

# Russell J Schmitt

## List of Publications by Citations

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89  
papers

3,721  
citations

35  
h-index

58  
g-index

89  
ext. papers

4,176  
ext. citations

4.3  
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5.34  
L-index

#	Paper	IF	Citations
89	COMPETITION FOR SHELTER SPACE CAUSES DENSITY-DEPENDENT PREDATION MORTALITY IN DAMSELFISHES. <i>Ecology</i> , <b>2002</b> , 83, 2855-2868	4.6	269
88	Analysis of abrupt transitions in ecological systems. <i>Ecosphere</i> , <b>2011</b> , 2, art129	3.1	196
87	Herbivory, connectivity, and ecosystem resilience: response of a coral reef to a large-scale perturbation. <i>PLoS ONE</i> , <b>2011</b> , 6, e23717	3.7	179
86	Climate-driven increases in storm frequency simplify kelp forest food webs. <i>Global Change Biology</i> , <b>2011</b> , 17, 2513-2524	11.4	134
85	CHANGES IN AN ASSEMBLAGE OF TEMPERATE REEF FISHES ASSOCIATED WITH A CLIMATE SHIFT <b>1997</b> , 7, 1299-1310		124
84	The Combined Effects of Predation Risk and Food Reward on Patch Selection. <i>Ecology</i> , <b>1988</b> , 69, 125-134	4.6	121
83	Habitat biodiversity as a determinant of fish community structure on coral reefs. <i>Ecology</i> , <b>2011</b> , 92, 2285-2298	4.6	102
82	Indirect Interactions Between Prey: Apparent Competition, Predator Aggregation, and Habitat Segregation. <i>Ecology</i> , <b>1987</b> , 68, 1887-1897	4.6	93
81	Symbiotic crabs maintain coral health by clearing sediments. <i>Coral Reefs</i> , <b>2006</b> , 25, 609-615	4.2	83
80	Effects of sheltering fish on growth of their host corals. <i>Marine Biology</i> , <b>2008</b> , 155, 521-530	2.5	82
79	Gape-limitation, foraging tactics and prey size selectivity of two microcarnivorous species of fish. <i>Oecologia</i> , <b>1984</b> , 63, 6-12	2.9	80
78	MORTALITY OF JUVENILE DAMSELFISH: IMPLICATIONS FOR ASSESSING PROCESSES THAT DETERMINE ABUNDANCE. <i>Ecology</i> , <b>1999</b> , 80, 35-50	4.6	78
77	Rethinking ecological inference: density dependence in reef fishes. <i>Ecology Letters</i> , <b>2002</b> , 5, 715-721	10	76
76	Gene flow at three spatial scales in a coral reef fish, the three-spot dascyllus, <i>Dascyllus trimaculatus</i> . <i>Marine Biology</i> , <b>2001</b> , 138, 457-465	2.5	76
75	Causes and Consequences of Dietary Specialization in Surfperches: Patch Choice and Intraspecific Competition. <i>Ecology</i> , <b>1992</b> , 73, 402-412	4.6	72
74	Patch selection by juvenile black surfperch (Embiotocidae) under variable risk: Interactive influence of food quality and structural complexity. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1985</b> , 85, 269-285	2.1	69
73	Settlement and recruitment of three damselfish species: larval delivery and competition for shelter space. <i>Oecologia</i> , <b>1999</b> , 118, 76-86	2.9	67

72	Mutualism can mediate competition and promote coexistence. <i>Ecology Letters</i> , <b>2003</b> , 6, 898-902	10	65
71	Recruitment Drives Spatial Variation in Recovery Rates of Resilient Coral Reefs. <i>Scientific Reports</i> , <b>2018</b> , 8, 7338	4.9	61
70	Nitrogen pollution interacts with heat stress to increase coral bleaching across the seascape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 5351-5357	11.5	58
69	Spatial and Temporal Patterns in Assemblages of Temperate Reef Fish. <i>American Zoologist</i> , <b>1994</b> , 34, 463-475		58
68	Variation in structural attributes of patch-forming corals and in patterns of abundance of associated fishes. <i>Marine and Freshwater Research</i> , <b>2002</b> , 53, 1045	2.2	56
67	HABITAT-LIMITED RECRUITMENT OF CORAL REEF DAMSELFISH. <i>Ecology</i> , <b>2000</b> , 81, 3479-3494	4.6	56
66	Resource Overlap, Prey Dynamics, and The Strength of Competition. <i>Ecology</i> , <b>1989</b> , 70, 1943-1953	4.6	52
65	Coral Reef Resilience, Tipping Points and the Strength of Herbivory. <i>Scientific Reports</i> , <b>2016</b> , 6, 35817	4.9	49
64	Seasonally fluctuating resources and temporal variability of interspecific competition. <i>Oecologia</i> , <b>1986</b> , 69, 1-11	2.9	47
63	Biological and Physical Interactions on a Tropical Island Coral Reef: Transport and Retention Processes on Moorea, French Polynesia. <i>Oceanography</i> , <b>2013</b> , 26, 52-63	2.3	44
62	Experimental analyses of patch selection by foraging black surfperch ( <i>Embiotoca jacksoni</i> Agazzi). <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1984</b> , 79, 39-64	2.1	41
61	Experimental support for alternative attractors on coral reefs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 4372-4381	11.5	39
60	The scale and cause of spatial heterogeneity in strength of temporal density dependence. <i>Ecology</i> , <b>2007</b> , 88, 1241-9	4.6	38
59	Exploitation Competition in Mobile Grazers: Trade-offs in Use of a Limited Resource. <i>Ecology</i> , <b>1995</b> , 77, 408-425	4.6	38
58	Population Responses of Surfperch Released from Competition. <i>Ecology</i> , <b>1990</b> , 71, 1653-1665	4.6	37
57	How will coral reef fish communities respond to climate-driven disturbances? Insight from landscape-scale perturbations. <i>Oecologia</i> , <b>2014</b> , 176, 285-96	2.9	36
56	Spatial and temporal variation in mortality of newly settled damselfish: patterns, causes and co-variation with settlement. <i>Oecologia</i> , <b>2003</b> , 135, 532-41	2.9	36
55	Cooperative Foraging by Yellowtail, <i>Seriola lalandei</i> (Carangidae), on Two Species of Fish Prey. <i>Copeia</i> , <b>1982</b> , 1982, 714	1.1	36

54	Very high resolution mapping of coral reef state using airborne bathymetric LiDAR surface-intensity and drone imagery. <i>International Journal of Remote Sensing</i> , <b>2018</b> , 39, 5676-5688	3.1	34
53	Influence of corallivory, competition, and habitat structure on coral community shifts. <i>Ecology</i> , <b>2011</b> , 92, 1959-71	4.6	34
52	Predictability of fish assemblages on coral patch reefs. <i>Marine and Freshwater Research</i> , <b>2002</b> , 53, 181	2.2	34
51	Nitrogen Identity Drives Differential Impacts of Nutrients on Coral Bleaching and Mortality. <i>Ecosystems</i> , <b>2020</b> , 23, 798-811	3.9	34
50	Effects of predation risk on foraging behavior: mechanisms altering patch choice. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1988</b> , 121, 151-163	2.1	33
49	Dynamics of mutualist populations that are demographically open. <i>Journal of Animal Ecology</i> , <b>2006</b> , 75, 1239-51	4.7	32
48	Predicting coral community recovery using multi-species population dynamics models. <i>Ecology Letters</i> , <b>2018</b> , 21, 1790-1799	10	32
47	Response of herbivore functional groups to sequential perturbations in Moorea, French Polynesia. <i>Coral Reefs</i> , <b>2016</b> , 35, 999-1009	4.2	30
46	Reef fishes in biodiversity hotspots are at greatest risk from loss of coral species. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124054	3.7	30
45	Variation in surfperch diets between allopatry and sympatry: circumstantial evidence for competition. <i>Oecologia</i> , <b>1983</b> , 58, 402-410	2.9	30
44	Mechanisms and consequences of shell fouling in the kelp snail, <i>Norrisia norrisi</i> (Sowerby) (Trochidae): Indirect effects of octopus drilling. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1983</b> , 69, 267-281	2.1	30
43	The role of microhabitat preference and social organization in determining the spatial distribution of a coral reef fish. <i>Environmental Biology of Fishes</i> , <b>2009</b> , 84, 1-10	1.6	29
42	POPULATION DYNAMICS OF A DAMSELFISH: EFFECTS OF A COMPETITOR THAT ALSO IS AN INDIRECT MUTUALIST. <i>Ecology</i> , <b>2004</b> , 85, 979-985	4.6	29
41	Predation and landscape characteristics independently affect reef fish community organization. <i>Ecology</i> , <b>2014</b> , 95, 1294-307	4.6	28
40	Fish communities on staghorn coral: effects of habitat characteristics and resident farmerfishes. <i>Environmental Biology of Fishes</i> , <b>2011</b> , 91, 429-448	1.6	28
39	Food acquisition by competing surfperch on a patchy environmental gradient. <i>Environmental Biology of Fishes</i> , <b>1986</b> , 16, 135-146	1.6	28
38	Contrasting anti-predator defenses of sympatric marine gastropods (family Trochidae). <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1981</b> , 54, 251-263	2.1	27
37	Indirect effects of species interactions on habitat provisioning. <i>Oecologia</i> , <b>2011</b> , 166, 739-49	2.9	25

36	Consequences of Dissimilar Defenses Against Predation in a Subtidal Marine Community. <i>Ecology</i> , <b>1982</b> , 63, 1588-1601	4.6	25
35	Intraguild predation in a structured habitat: distinguishing multiple-predator effects from competitor effects. <i>Ecology</i> , <b>2009</b> , 90, 2434-43	4.6	24
34	Contrasting effects of giant kelp on dynamics of surfperch populations. <i>Oecologia</i> , <b>1990</b> , 84, 419-429	2.9	24
33	Stable Isotopes Reveal Trophic Relationships and Diet of Consumers in Temperate Kelp Forest and Coral Reef Ecosystems. <i>Oceanography</i> , <b>2013</b> , 26, 180-189	2.3	21
32	Competitive Interactions of Two Mobile Prey Species in a Patchy Environment. <i>Ecology</i> , <b>1985</b> , 66, 950-958	4.6	21
31	Hydrodynamics influence coral performance through simultaneous direct and indirect effects. <i>Ecology</i> , <b>2015</b> , 96, 1540-1549	4.6	20
30	Sublethal toxicant effects with dynamic energy budget theory: application to mussel outplants. <i>Ecotoxicology</i> , <b>2010</b> , 19, 38-47	2.9	20
29	Temporally Concordant Structure of a Fish Assemblage: Bound or Determined?. <i>American Naturalist</i> , <b>1990</b> , 135, 63-73	3.7	20
28	Dietary partitioning promotes the coexistence of planktivorous species on coral reefs. <i>Molecular Ecology</i> , <b>2019</b> , 28, 2694-2710	5.7	19
27	Landscape-scale patterns of nutrient enrichment in a coral reef ecosystem: implications for coral to algae phase shifts. <i>Ecological Applications</i> , <b>2021</b> , 31, e2227	4.9	19
26	High resolution topobathymetry using a Pleiades-1 triplet: Moorea Island in 3D. <i>Remote Sensing of Environment</i> , <b>2018</b> , 208, 109-119	13.2	18
25	Triggers and maintenance of multiple shifts in the state of a natural community. <i>Oecologia</i> , <b>2010</b> , 164, 489-98	2.9	18
24	Complexities and Uncertainties in Transitioning Small-Scale Coral Reef Fisheries. <i>Frontiers in Marine Science</i> , <b>2016</b> , 3,	4.5	18
23	Fluctuations in food supply drive recruitment variation in a marine fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 4542-50	4.4	17
22	Compensation in resource use by foragers released from interspecific competition. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1995</b> , 185, 219-233	2.1	15
21	Isolation and characterization of eight polymorphic microsatellite markers from the orange-fin anemonefish, <i>Amphiprion chrysopterus</i> . <i>Conservation Genetics Resources</i> , <b>2009</b> , 1, 333-335	0.8	14
20	Perceptions and responses of Pacific Island fishers to changing coral reefs. <i>Ambio</i> , <b>2020</b> , 49, 130-143	6.5	14
19	Macroalgae size refuge from herbivory promotes alternative stable states on coral reefs. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202273	3.7	14

18	Declines in regional fish populations: have species responded similarly to environmental change?. <i>Marine and Freshwater Research</i> , <b>2002</b> , 53, 189	2.2	12
17	Spatial patterns of self-recruitment of a coral reef fish in relation to island-scale retention mechanisms. <i>Molecular Ecology</i> , <b>2016</b> , 25, 5203-5211	5.7	11
16	Stochastic density effects on adult fish survival and implications for population fluctuations. <i>Ecology Letters</i> , <b>2016</b> , 19, 153-162	10	10
15	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> , <b>2018</b> , 5,	4.5	9
14	Correlates of spatial variation in settlement of two tropical damselfishes. <i>Marine and Freshwater Research</i> , <b>2002</b> , 53, 329	2.2	7
13	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. <i>GigaScience</i> , <b>2016</b> , 5, 14	7.6	7
12	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> , <b>2009</b> , 9, 213-5	8.4	5
11	Coral Reef Monitoring by Scuba Divers Using Underwater Photogrammetry and Geodetic Surveying. <i>Remote Sensing</i> , <b>2020</b> , 12, 3036	5	5
10	Resilience: insights from the U.S. LongTerm Ecological Research Network. <i>Ecosphere</i> , <b>2021</b> , 12, e03434	3.1	4
9	Potential feedback between coral presence and farmerfish collective behavior promotes coral recovery. <i>Oikos</i> , <b>2019</b> , 128, 482-492	4	4
8	Evaluating the precariousness of coral recovery when coral and macroalgae are alternative basins of attraction. <i>Limnology and Oceanography</i> ,	4.8	3
7	HABITAT-LIMITED RECRUITMENT OF CORAL REEF DAMSELFISH <b>2000</b> , 81, 3479		2
6	Effects of corallivory and coral colony density on coral growth and survival. <i>Coral Reefs</i> , <b>2021</b> , 40, 283-288.	4.2	2
5	COMPETITION FOR SHELTER SPACE CAUSES DENSITY-DEPENDENT PREDATION MORTALITY IN DAMSELFISHES <b>2002</b> , 83, 2855		1
4	Collective aggressiveness of an ecosystem engineer is associated with coral recovery. <i>Behavioral Ecology</i> , <b>2018</b> ,	2.3	1
3	How do fisher responses to macroalgal overgrowth influence the resilience of coral reefs?. <i>Limnology and Oceanography</i> ,	4.8	1
2	Long-term ecological research and the COVID-19 anthropause: A window to understanding social-ecological disturbance.. <i>Ecosphere</i> , <b>2022</b> , 13, e4019	3.1	1
1	Spatial co-variation in nutrient enrichment and fishing of herbivores in an oceanic coral reef ecosystem.. <i>Ecological Applications</i> , <b>2021</b> , e2515	4.9	0

