

Daniel C Reed

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

4,232
citations

182225

30
h-index

198040

52
g-index

54
all docs

54
docs citations

54
times ranked

3424
citing authors

#	ARTICLE	IF	CITATIONS
1	Global patterns of kelp forest change over the past half-century. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13785-13790.	3.3	511
2	The Effects of Canopy Shadings on Algal Recruitment and Growth in a Giant Kelp Forest. Ecology, 1984, 65, 937-948.	1.5	363
3	Variation in Algal Dispersal and Recruitment: The Importance of Episodic Events. Ecological Monographs, 1988, 58, 321-335.	2.4	272
4	The Effects of Variable Settlement and Early Competition on Patterns of Kelp Recruitment. Ecology, 1990, 71, 776-787.	1.5	191
5	Climate-driven increases in storm frequency simplify kelp forest food webs. Global Change Biology, 2011, 17, 2513-2524.	4.2	172
6	A PHYSICALLY BASED MODEL OF MACROALGAL SPORE DISPERSAL IN THE WAVE AND CURRENT-DOMINATED NEARSHORE. Ecology, 2002, 83, 1239-1251.	1.5	159
7	BIOMASS RATHER THAN GROWTH RATE DETERMINES VARIATION IN NET PRIMARY PRODUCTION BY GIANT KELP. Ecology, 2008, 89, 2493-2505.	1.5	150
8	Spatial patterns of flow and their modification within and around a giant kelp forest. Limnology and Oceanography, 2007, 52, 1838-1852.	1.6	148
9	Wave disturbance overwhelms top-down and bottom-up control of primary production in California kelp forests. Ecology, 2011, 92, 2108-2116.	1.5	147
10	Dispersal in Kelps: Factors Affecting Spore Swimming and Competency. Ecology, 1992, 73, 1577-1585.	1.5	127
11	Spatial Variability in the Resistance and Resilience of Giant Kelp in Southern and Baja California to a Multiyear Heatwave. Frontiers in Marine Science, 2019, 6, .	1.2	119
12	Geographical variability in the controls of giant kelp biomass dynamics. Journal of Biogeography, 2015, 42, 2010-2021.	1.4	107
13	MACROALGAL SPORE DISPERSAL IN COASTAL ENVIRONMENTS: MECHANISTIC INSIGHTS REVEALED BY THEORY AND EXPERIMENT. Ecological Monographs, 2006, 76, 481-502.	2.4	105
14	Giant kelp, <i>Macrocystis pyrifera</i> , increases faunal diversity through physical engineering. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172571.	1.2	104
15	Isolation by oceanographic distance explains genetic structure for <i>Macrocystis pyrifera</i> in the Santa Barbara Channel. Molecular Ecology, 2011, 20, 2543-2554.	2.0	102
16	Partitioning of primary production among giant kelp (<i>Macrocystis pyrifera</i>), understory macroalgae, and phytoplankton on a temperate reef. Limnology and Oceanography, 2011, 56, 119-132.	1.6	89
17	SPORE SUPPLY AND HABITAT AVAILABILITY AS SOURCES OF RECRUITMENT LIMITATION IN THE GIANT KELP MACROCYSTIS PYRIFERA (PHAEOPHYCEAE)1. Journal of Phycology, 2004, 40, 275-284.	1.0	85
18	Habitat continuity and geographic distance predict population genetic differentiation in giant kelp. Ecology, 2010, 91, 49-56.	1.5	81

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19	Differential Reproductive Responses to Fluctuating Resources in Two Seaweeds with Different Reproductive Strategies. <i>Ecology</i> , 1996, 77, 300-316.	1.5	78
20	Physical pathways and utilization of nitrate supply to the giant kelp, <i>Macrocystis pyrifera</i> . <i>Limnology and Oceanography</i> , 2008, 53, 1589-1603.	1.6	78
21	THE ROLE OF DISPERSAL AND DISTURBANCE IN DETERMINING SPATIAL HETEROGENEITY IN SEDENTARY ORGANISMS. <i>Ecology</i> , 2000, 81, 2011-2026.	1.5	76
22	THE ROLE OF REPRODUCTIVE SYNCHRONY IN THE COLONIZATION POTENTIAL OF KELP. <i>Ecology</i> , 1997, 78, 2443-2457.	1.5	73
23	Loss of foundation species: disturbance frequency outweighs severity in structuring kelp forest communities. <i>Ecology</i> , 2018, 99, 2442-2454.	1.5	61
24	Seascape drivers of <i>Macrocystis pyrifera</i> population genetic structure in the northeast Pacific. <i>Molecular Ecology</i> , 2015, 24, 4866-4885.	2.0	55
25	Fluctuations in population fecundity drive variation in demographic connectivity and metapopulation dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162086.	1.2	55
26	Synchrony in dynamics of giant kelp forests is driven by both local recruitment and regional environmental controls. <i>Ecology</i> , 2013, 94, 499-509.	1.5	54
27	Patterns and controls of reef-scale production of dissolved organic carbon by giant kelp <i>Macrocystis pyrifera</i> . <i>Limnology and Oceanography</i> , 2015, 60, 1996-2008.	1.6	54
28	Foundation species promote community stability by increasing diversity in a giant kelp forest. <i>Ecology</i> , 2020, 101, e02987.	1.5	52
29	Connectivity structures local population dynamics: a long-term empirical test in a large metapopulation system. <i>Ecology</i> , 2015, 96, 3141-3152.	1.5	50
30	A Metapopulation Perspective on the Patch Dynamics of Giant Kelp in Southern California. , 2006, , 353-386.		43
31	Species insurance trumps spatial insurance in stabilizing biomass of a marine macroalgal metacommunity. <i>Ecology</i> , 2019, 100, e02719.	1.5	38
32	The importance of progressive senescence in the biomass dynamics of giant kelp (<i>Macrocystis</i>) <i>Ecology</i> , 2019, 90, 1000-1010.	1.5	33
33	Improved estimates of net primary production, growth, and standing crop of <i>Macrocystis pyrifera</i> in Southern California. <i>Ecology</i> , 2018, 99, 2132-2132.	1.5	33
34	Urea as a source of nitrogen to giant kelp (<i>Macrocystis pyrifera</i>). <i>Limnology and Oceanography Letters</i> , 2018, 3, 365-373.	1.6	30
35	Patterns and controls of the dynamics of net primary production by understory macroalgal assemblages in giant kelp forests. <i>Journal of Phycology</i> , 2013, 49, 248-257.	1.0	27
36	Trophic versus structural effects of a marine foundation species, giant kelp (<i>Macrocystis pyrifera</i>). <i>Oecologia</i> , 2015, 179, 1199-1209.	0.9	27

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37	Scale-specific drivers of kelp forest communities. <i>Oecologia</i> , 2018, 186, 217-233.	0.9	25
38	Effects of ocean climate on spatiotemporal variation in sea urchin settlement and recruitment. <i>Limnology and Oceanography</i> , 2020, 65, 2076-2091.	1.6	24
39	NET PRIMARY PRODUCTION, GROWTH, AND STANDING CROP OF MACROCYSTIS PYRIFERA IN SOUTHERN CALIFORNIA. <i>Ecology</i> , 2008, 89, 2068-2068.	1.5	22
40	Addition of species abundance and performance predicts community primary production of macroalgae. <i>Oecologia</i> , 2012, 168, 797-806.	0.9	21
41	The Utility of Satellites and Autonomous Remote Sensing Platforms for Monitoring Offshore Aquaculture Farms: A Case Study for Canopy Forming Kelps. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	20
42	Regional patterns of physiological condition determine giant kelp net primary production dynamics. <i>Limnology and Oceanography</i> , 2018, 63, 472-483.	1.6	19
43	A Review of the Opportunities and Challenges for Using Remote Sensing for Management of Surface-Canopy Forming Kelps. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	19
44	A multi-decade time series of kelp forest community structure at San Nicolas Island, California (USA). <i>Ecology</i> , 2013, 94, 2654-2654.	1.5	18
45	Climate and fishing drive regime shifts in consumer-mediated nutrient cycling in kelp forests. <i>Global Change Biology</i> , 2019, 25, 3179-3192.	4.2	18
46	Looking into the black box: simulating the role of self-fertilization and mortality in the genetic structure of <i>Macrocystis pyrifera</i> . <i>Molecular Ecology</i> , 2013, 22, 4842-4854.	2.0	17
47	Blade life span, structural investment, and nutrient allocation in giant kelp. <i>Oecologia</i> , 2016, 182, 397-404.	0.9	17
48	Microsatellite markers for the giant kelp <i>Macrocystis pyrifera</i> . <i>Conservation Genetics</i> , 2009, 10, 1915-1917.	0.8	16
49	Effects of depth-cycling on nutrient uptake and biomass production in the giant kelp <i>Macrocystis pyrifera</i> . <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110747.	8.2	16
50	Disturbance structures canopy and understory productivity along an environmental gradient. <i>Ecology Letters</i> , 2021, 24, 2192-2206.	3.0	16
51	Improving the ability of a BACI design to detect impacts within a kelp forest community. <i>Ecological Applications</i> , 2021, 31, e02304.	1.8	5
52	Factors influencing urea use by giant kelp (<i>Macrocystis pyrifera</i> , Phaeophyceae). <i>Limnology and Oceanography</i> , 2021, 66, 1190-1200.	1.6	5
53	An evaluation of surge uptake capability in the giant kelp (<i>Macrocystis pyrifera</i>) in response to pulses of three different forms of nitrogen. <i>Marine Biology</i> , 2021, 168, 1.	0.7	4
54	Seascape genetics of the stalked kelp <i>Pterygophora californica</i> and comparative population genetics in the Santa Barbara Channel. <i>Journal of Phycology</i> , 2020, 56, 110-120.	1.0	1