# Daniel C Reed

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8624783/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 54 papers | 4,232 citations | 159525 30 h-index | 175177 52 g-index |
| 54 all docs | 54 docs citations | 54 times ranked | 3037 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, Macrocystis pyrifera , 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 Macrocystis pyrifera in the Santa Barbara Channel. Molecular Ecology, 2011, 20, 2543-2554. | 2.0 | 102 |
| 16 | Partitioning of primary production among giant kelp (Macrocystis pyrifera), 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. Ecology, 1996, 77, 300-316. | 1.5 | 78 |
| 20 | Physical pathways and utilization of nitrate supply to the giant kelp, Macrocystis pyrifera. Limnology and Oceanography, 2008, 53, 1589-1603. | 1.6 | 78 |
| 21 | THE ROLE OF DISPERSAL AND DISTURBANCE IN DETERMINING SPATIAL HETEROGENEITY IN SEDENTARY ORGANISMS. Ecology, 2000, 81, 2011-2026. | 1.5 | 76 |
| 22 | THE ROLE OF REPRODUCTIVE SYNCHRONY IN THE COLONIZATION POTENTIAL OF KELP. Ecology, 1997, 78, 2443-2457. | 1.5 | 73 |
| 23 | Loss of foundation species: disturbance frequency outweighs severity in structuring kelp forest communities. Ecology, 2018, 99, 2442-2454. | 1.5 | 61 |
| 24 | Seascape drivers of <scp>M</scp>acrocystis pyrifera population genetic structure in the northeast <scp>P</scp>acific. Molecular Ecology, 2015, 24, 4866-4885. | 2.0 | 55 |
| 25 | Fluctuations in population fecundity drive variation in demographic connectivity and metapopulation dynamics. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162086. | 1.2 | 55 |
| 26 | Synchrony in dynamics of giant kelp forests is driven by both local recruitment and regional environmental controls. Ecology, 2013, 94, 499-509. | 1.5 | 54 |
| 27 | Patterns and controls of reefâ€scale production of dissolved organic carbon by giant kelp <scp>M</scp>acrocystis pyrifera. Limnology and Oceanography, 2015, 60, 1996-2008. | 1.6 | 54 |
| 28 | Foundation species promote community stability by increasing diversity in a giant kelp forest. Ecology, 2020, 101, e02987. | 1.5 | 52 |
| 29 | Connectivity structures local population dynamics: a longâ€term empirical test in a large metapopulation system. Ecology, 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. Ecology, 2019, 100, e02719. | 1.5 | 38 |
| 32 | The importance of progressive senescence in the biomass dynamics of giant kelp (Macrocystis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.5 | 33 |
| 33 | Improved estimates of net primary production, growth, and standing crop of Macrocystis pyrifera in Southern California. Ecology, 2018, 99, 2132-2132. | 1.5 | 33 |
| 34 | Urea as a source of nitrogen to giant kelp (Macrocystis pyrifera). Limnology and Oceanography Letters, 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. Journal of Phycology, 2013, 49, 248-257. | 1.0 | 27 |
| 36 | Trophic versus structural effects of a marine foundation species, giant kelp (Macrocystis pyrifera). Oecologia, 2015, 179, 1199-1209. | 0.9 | 27 |

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