

# Daniel C Reed

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

4,232  
citations

159585  
30  
h-index

175258  
52  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3037  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Improving the ability of a BACI design to detect impacts within a kelp forest community. Ecological Applications, 2021, 31, e02304.   | 3.8  | 5         |
| 2  | Effects of depth-cycling on nutrient uptake and biomass production in the giant kelp <i>Macrocystis pyrifera</i> . Renewable and Sustainable Energy Reviews, 2021, 141, 110747.             | 16.4 | 16        |
| 3  | Disturbance structures canopy and understory productivity along an environmental gradient. Ecology Letters, 2021, 24, 2192-2206.  | 6.4  | 16        |
| 4  | An evaluation of surge uptake capability in the giant kelp ( <i>Macrocystis pyrifera</i> ) in response to pulses of three different forms of nitrogen. Marine Biology, 2021, 168, 1.        | 1.5  | 4         |
| 5  | Factors influencing urea use by giant kelp ( <i>Macrocystis pyrifera</i> , <i>Phaeophyceae</i> ). Limnology and Oceanography, 2021, 66, 1190-1200.  | 3.1  | 5         |
| 6  | A Review of the Opportunities and Challenges for Using Remote Sensing for Management of Surface-Canopy Forming Kelps. Frontiers in Marine Science, 2021, 8, .                               | 2.5  | 19        |
| 7  | Seascape genetics of the stalked kelp <i>Pterygophora californica</i> and comparative population genetics in the Santa Barbara Channel. Journal of Phycology, 2020, 56, 110-120.            | 2.3  | 1         |
| 8  | 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, . | 2.5  | 20        |
| 9  | Foundation species promote community stability by increasing diversity in a giant kelp forest. Ecology, 2020, 101, e02987.  | 3.2  | 52        |
| 10 | Effects of ocean climate on spatiotemporal variation in sea urchin settlement and recruitment. Limnology and Oceanography, 2020, 65, 2076-2091.   | 3.1  | 24        |
| 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, .                         | 2.5  | 119       |
| 12 | Climate and fishing drive regime shifts in consumer-mediated nutrient cycling in kelp forests. Global Change Biology, 2019, 25, 3179-3192.  | 9.5  | 18        |
| 13 | Species insurance trumps spatial insurance in stabilizing biomass of a marine macroalgal metacommunity. Ecology, 2019, 100, e02719.   | 3.2  | 38        |
| 14 | Regional patterns of physiological condition determine giant kelp net primary production dynamics. Limnology and Oceanography, 2018, 63, 472-483.   | 3.1  | 19        |
| 15 | Giant kelp, <i>Macrocystis pyrifera</i> , increases faunal diversity through physical engineering. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172571.            | 2.6  | 104       |
| 16 | Scale-specific drivers of kelp forest communities. Oecologia, 2018, 186, 217-233.   | 2.0  | 25        |
| 17 | Loss of foundation species: disturbance frequency outweighs severity in structuring kelp forest communities. Ecology, 2018, 99, 2442-2454.  | 3.2  | 61        |
| 18 | Improved estimates of net primary production, growth, and standing crop of <i>Macrocystis pyrifera</i> in Southern California. Ecology, 2018, 99, 2132-2132.                                | 3.2  | 33        |

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|----|---|-----|-----------|
| 19 | Urea as a source of nitrogen to giant kelp ( <i>Macrocystis pyrifera</i> ). Limnology and Oceanography Letters, 2018, 3, 365-373.   | 3.9 | 30        |
| 20 | Fluctuations in population fecundity drive variation in demographic connectivity and metapopulation dynamics. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162086.       | 2.6 | 55        |
| 21 | Blade life span, structural investment, and nutrient allocation in giant kelp. Oecologia, 2016, 182, 397-404.   | 2.0 | 17        |
| 22 | 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.                        | 7.1 | 511       |
| 23 | Patterns and controls of reef-scale production of dissolved organic carbon by giant kelp <i>Macrocystis pyrifera</i> . Limnology and Oceanography, 2015, 60, 1996-2008.                           | 3.1 | 54        |
| 24 | Geographical variability in the controls of giant kelp biomass dynamics. Journal of Biogeography, 2015, 42, 2010-2021.  | 3.0 | 107       |
| 25 | Seascape drivers of <i>Macrocystis pyrifera</i> population genetic structure in the northeast Pacific. Molecular Ecology, 2015, 24, 4866-4885.  | 3.9 | 55        |
| 26 | Connectivity structures local population dynamics: a long-term empirical test in a large metapopulation system. Ecology, 2015, 96, 3141-3152.   | 3.2 | 50        |
| 27 | Trophic versus structural effects of a marine foundation species, giant kelp ( <i>Macrocystis pyrifera</i> ). Oecologia, 2015, 179, 1199-1209.  | 2.0 | 27        |
| 28 | Looking into the black box: simulating the role of self-fertilization and mortality in the genetic structure of <i>Macrocystis pyrifera</i> . Molecular Ecology, 2013, 22, 4842-4854.             | 3.9 | 17        |
| 29 | The importance of progressive senescence in the biomass dynamics of giant kelp ( <i>Macrocystis</i> ). Ecology, 2013, 94, 499-509.  | 3.2 | 54        |
| 30 | Synchrony in dynamics of giant kelp forests is driven by both local recruitment and regional environmental controls. Ecology, 2013, 94, 2654-2654.  | 3.2 | 18        |
| 31 | A multi-decade time series of kelp forest community structure at San Nicolas Island, California (USA). Ecology, 2013, 94, 2654-2654.  | 3.2 | 18        |
| 32 | 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.                              | 2.3 | 27        |
| 33 | Addition of species abundance and performance predicts community primary production of macroalgae. Oecologia, 2012, 168, 797-806.   | 2.0 | 21        |
| 34 | Wave disturbance overwhelms top-down and bottom-up control of primary production in California kelp forests. Ecology, 2011, 92, 2108-2116.  | 3.2 | 147       |
| 35 | 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. | 3.1 | 89        |
| 36 | Climate-driven increases in storm frequency simplify kelp forest food webs. Global Change Biology, 2011, 17, 2513-2524.   | 9.5 | 172       |

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|----|--|-----|-----------|
| 37 | Isolation by oceanographic distance explains genetic structure for <i>Macrocystis pyrifera</i> in the Santa Barbara Channel. <i>Molecular Ecology</i> , 2011, 20, 2543-2554.               | 3.9 | 102       |
| 38 | Habitat continuity and geographic distance predict population genetic differentiation in giant kelp. <i>Ecology</i> , 2010, 91, 49-56.   | 3.2 | 81        |
| 39 | Microsatellite markers for the giant kelp <i>Macrocystis pyrifera</i> . <i>Conservation Genetics</i> , 2009, 10, 1915-1917.  | 1.5 | 16        |
| 40 | NET PRIMARY PRODUCTION, GROWTH, AND STANDING CROP OF <i>MACROCYSTIS PYRIFERA</i> IN SOUTHERN CALIFORNIA. <i>Ecology</i> , 2008, 89, 2068-2068.   | 3.2 | 22        |
| 41 | BIOMASS RATHER THAN GROWTH RATE DETERMINES VARIATION IN NET PRIMARY PRODUCTION BY GIANT KELP. <i>Ecology</i> , 2008, 89, 2493-2505.  | 3.2 | 150       |
| 42 | Physical pathways and utilization of nitrate supply to the giant kelp, <i>Macrocystis pyrifera</i> . <i>Limnology and Oceanography</i> , 2008, 53, 1589-1603.                              | 3.1 | 78        |
| 43 | Spatial patterns of flow and their modification within and around a giant kelp forest. <i>Limnology and Oceanography</i> , 2007, 52, 1838-1852.  | 3.1 | 148       |
| 44 | MACROALGAL SPORE DISPERSAL IN COASTAL ENVIRONMENTS: MECHANISTIC INSIGHTS REVEALED BY THEORY AND EXPERIMENT. <i>Ecological Monographs</i> , 2006, 76, 481-502.                              | 5.4 | 105       |
| 45 | A Metapopulation Perspective on the Patch Dynamics of Giant Kelp in Southern California. , 2006, , 353-386.  |     | 43        |
| 46 | SPORE SUPPLY AND HABITAT AVAILABILITY AS SOURCES OF RECRUITMENT LIMITATION IN THE GIANT KELP <i>MACROCYSTIS PYRIFERA</i> (PHAEOPHYCEAE)1. <i>Journal of Phycology</i> , 2004, 40, 275-284. | 2.3 | 85        |
| 47 | A PHYSICALLY BASED MODEL OF MACROALGAL SPORE DISPERSAL IN THE WAVE AND CURRENT-DOMINATED NEARSHORE. <i>Ecology</i> , 2002, 83, 1239-1251.  | 3.2 | 159       |
| 48 | THE ROLE OF DISPERSAL AND DISTURBANCE IN DETERMINING SPATIAL HETEROGENEITY IN SEDENTARY ORGANISMS. <i>Ecology</i> , 2000, 81, 2011-2026.   | 3.2 | 76        |
| 49 | THE ROLE OF REPRODUCTIVE SYNCHRONY IN THE COLONIZATION POTENTIAL OF KELP. <i>Ecology</i> , 1997, 78, 2443-2457.  | 3.2 | 73        |
| 50 | Differential Reproductive Responses to Fluctuating Resources in Two Seaweeds with Different Reproductive Strategies. <i>Ecology</i> , 1996, 77, 300-316.                                   | 3.2 | 78        |
| 51 | Dispersal in Kelps: Factors Affecting Spore Swimming and Competency. <i>Ecology</i> , 1992, 73, 1577-1585.   | 3.2 | 127       |
| 52 | The Effects of Variable Settlement and Early Competition on Patterns of Kelp Recruitment. <i>Ecology</i> , 1990, 71, 776-787.  | 3.2 | 191       |
| 53 | Variation in Algal Dispersal and Recruitment: The Importance of Episodic Events. <i>Ecological Monographs</i> , 1988, 58, 321-335.   | 5.4 | 272       |
| 54 | The Effects of Canopy Shadings on Algal Recruitment and Growth in a Giant Kelp Forest. <i>Ecology</i> , 1984, 65, 937-948.   | 3.2 | 363       |