

# Paul K Dayton

## List of Publications by Citations

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51  
papers

8,207  
citations

33  
h-index

53  
g-index

53  
ext. papers

8,797  
ext. citations

5.9  
avg, IF

5.8  
L-index

#	Paper	IF	Citations
51	Competition, Disturbance, and Community Organization: The Provision and Subsequent Utilization of Space in a Rocky Intertidal Community. <i>Ecological Monographs</i> , <b>1971</b> , 41, 351-389	9	1711
50	Experimental Evaluation of Ecological Dominance in a Rocky Intertidal Algal Community. <i>Ecological Monographs</i> , <b>1975</b> , 45, 137-159	9	501
49	Environmental effects of marine fishing. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>1995</b> , 5, 205-232	2.6	488
48	Disturbance to Marine Benthic Habitats by Trawling and Dredging: Implications for Marine Biodiversity. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2002</b> , 33, 449-473		453
47	Biological Accommodation in the Benthic Community at McMurdo Sound, Antarctica. <i>Ecological Monographs</i> , <b>1974</b> , 44, 105-128	9	453
46	Patch Dynamics and Stability of Some California Kelp Communities. <i>Ecological Monographs</i> , <b>1984</b> , 54, 253-289	9	439
45	Dangerous targets? Unresolved issues and ideological clashes around marine protected areas. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2003</b> , 13, 353-367	2.6	342
44	SLIDING BASELINES, GHOSTS, AND REDUCED EXPECTATIONS IN KELP FOREST COMMUNITIES <b>1998</b> , 8, 309-322		310
43	Corals on seamount peaks provide evidence of current acceleration over deep-sea topography. <i>Nature</i> , <b>1986</b> , 322, 59-61	50.4	304
42	Temporal and Spatial Patterns of Disturbance and Recovery in a Kelp Forest Community. <i>Ecological Monographs</i> , <b>1992</b> , 62, 421-445	9	298
41	A general model for designing networks of marine reserves. <i>Science</i> , <b>2002</b> , 298, 1991-3	33.3	293
40	Marine protected areas and ocean basin management. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2000</b> , 10, 437-458	2.6	253
39	TEMPORAL AND SPATIAL SCALES OF KELP DEMOGRAPHY: THE ROLE OF OCEANOGRAPHIC CLIMATE. <i>Ecological Monographs</i> , <b>1999</b> , 69, 219-250	9	194
38	Principles for the Conservation of Wild Living Resources <b>1996</b> , 6, 338-362		162
37	Forecasting the limits of resilience: integrating empirical research with theory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 3209-17	4.4	160
36	No-take Reserve Networks: Sustaining Fishery Populations and Marine Ecosystems. <i>Fisheries</i> , <b>1999</b> , 24, 11-25	1.1	160
35	The importance of the natural sciences to conservation: (an American Society of Naturalists symposium paper). <i>American Naturalist</i> , <b>2003</b> , 162, 1-13	3.7	155

34	The Structure and Regulation of Some South American Kelp Communities. <i>Ecological Monographs</i> , <b>1985</b> , 55, 447-468	9	150
33	El Niño Effects on Southern California Kelp Forest Communities. <i>Advances in Ecological Research</i> , <b>1987</b> , 17, 243-279	4.6	146
32	Dispersion, Dispersal, and Persistence of the Annual Intertidal Alga, <i>Postelsia palmaeformis</i> Ruprecht. <i>Ecology</i> , <b>1973</b> , 54, 433-438	4.6	137
31	The effect of spatial and temporal heterogeneity on the design and analysis of empirical studies of scale-dependent systems. <i>American Naturalist</i> , <b>2007</b> , 169, 398-408	3.7	133
30	Two Cases of Resource Partitioning in an Intertidal Community: Making the Right Prediction for the Wrong Reason. <i>American Naturalist</i> , <b>1973</b> , 107, 662-670	3.7	121
29	Polar Benthos <b>1990</b> , 631-685		116
28	Distribution patterns of benthic microalgal standing stock at McMurdo Sound, Antarctica. <i>Polar Biology</i> , <b>1986</b> , 6, 207-213	2	90
27	OCEAN WARMING EFFECTS ON GROWTH, REPRODUCTION, AND SURVIVORSHIP OF SOUTHERN CALIFORNIA ABALONE <b>2005</b> , 15, 469-480		81
26	Physical Heterogeneity and the Organization of Marine Communities. <i>Ecological Studies</i> , <b>1991</b> , 270-320	1.1	67
25	ON THE EVOLUTION OF ECOLOGICAL IDEAS: PARADIGMS AND SCIENTIFIC PROGRESS. <i>Ecology</i> , <b>2002</b> , 83, 1481-1489	4.6	63
24	A unique assemblage of epibenthic sessile suspension feeders with archaic features in the high-Antarctic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2006</b> , 53, 1029-1052	2.3	60
23	The response of giant kelp ( <i>Macrocystis pyrifera</i> ) in southern California to low-frequency climate forcing. <i>Limnology and Oceanography</i> , <b>2010</b> , 55, 2686-2702	4.8	52
22	Recruitment, growth and mortality of an Antarctic hexactinellid sponge, <i>Anoxycalyx joubini</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e56939	3.7	52
21	Marine reserve design: optimal size, habitats, species affinities, diversity, and ocean microclimate <b>2006</b> , 16, 945-62		48
20	ARRESTED DEVELOPMENT OF GIANT KELP (MACROCYSTIS PYRIFERA, PHAEOPHYCEAE) EMBRYONIC SPOROPHYTES: A MECHANISM FOR DELAYED RECRUITMENT IN PERENNIAL KELPS?1. <i>Journal of Phycology</i> , <b>2003</b> , 39, 47-57	3	43
19	Spatial patterns of fishing effort off San Diego: implications for zonal management and ecosystem function <b>2010</b> , 20, 2203-22		41
18	Bottoms Beneath Troubled Waters: Benthic Impacts of the 1982-1984 El Niño in the Temperate Zone. <i>Elsevier Oceanography Series</i> , <b>1990</b> , 433-472		21
17	Benthic responses to an Antarctic regime shift: food particle size and recruitment biology. <i>Ecological Applications</i> , <b>2019</b> , 29, e01823	4.9	19

16	Kelp forests at the end of the earth: 45 years later. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229259	3.7	19
15	Necessary elements of precautionary management: implications for the Antarctic toothfish. <i>Fish and Fisheries</i> , <b>2016</b> , 17, 1152-1174	6	17
14	Predicting strong community impacts using experimental estimates of per capita interaction strength: benthic herbivores and giant kelp recruitment. <i>Marine Ecology</i> , <b>2011</b> , 32, 300-312	1.4	10
13	Tidal flat macrofaunal communities and their associated environments in estuaries of southern California and northern Baja California, Mexico. <i>Estuaries and Coasts</i> , <b>2000</b> , 23, 97		10
12	Unusual coastal flood impacts in Salmon Valley, McMurdo Sound, Antarctica. <i>Antarctic Science</i> , <b>2016</b> , 28, 269-275	1.7	10
11	First evidence of microbial wood degradation in the coastal waters of the Antarctic. <i>Scientific Reports</i> , <b>2020</b> , 10, 12774	4.9	6
10	Antarctic Marine Animal Forests: Three-Dimensional Communities in Southern Ocean Ecosystems <b>2017</b> , 315-344		4
9	Rossella podagrosa Kirkpatrick, 1907-A valid species after all. <i>Zootaxa</i> , <b>2015</b> , 4021, 169-77	0.5	4
8	TEMPORAL AND SPATIAL SCALES OF KELP DEMOGRAPHY: THE ROLE OF OCEANOGRAPHIC CLIMATE <b>1999</b> , 69, 219		3
7	Bacteria defend carrion from scavengers. <i>Antarctic Science</i> , <b>2019</b> , 31, 13-15	1.7	2
6	A keystone ecologist: Robert Treat Paine, 1933-2016. <i>Ecology</i> , <b>2016</b> , 97, 2905-2909	4.6	1
5	A hagfish at Salmon Bay, McMurdo Sound, Antarctica?. <i>Antarctic Science</i> , <b>2018</b> , 30, 243-244	1.7	1
4	Stable isotope ratios of egg albumen of three waterbird species nesting in the Colorado River Delta indicate differences in foraging ground and isotopic niche breadth. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2013</b> , 23, 546-563	2.6	1
3	Paradigms in Ecology: Past, Present, and Future <sup>1</sup> . <i>Ecology</i> , <b>2002</b> , 83, 1479-1480	4.6	1
2	Adventures scaling the realized niche, saving the world, and searching for values. <i>ICES Journal of Marine Science</i> , <b>2020</b> , 77, 1648-1657	2.7	1
1	Long-term persistence of wood on the sea floor at McMurdo Sound, Antarctica. <i>Antarctic Science</i> , <b>2018</b> , 30, 355-356	1.7	1