

# Mark H Carr

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

6,054  
citations

147801

31  
h-index

189892

50  
g-index

56  
all docs

56  
docs citations

56  
times ranked

6548  
citing authors

#	ARTICLE	IF	CITATIONS
1	PROPAGULE DISPERSAL DISTANCE AND THE SIZE AND SPACING OF MARINE RESERVES. , 2003, 13, 159-169.		699
2	Designing marine reserve networks for both conservation and fisheries management. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18286-18293.	7.1	689
3	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
4	Guiding ecological principles for marine spatial planning. Marine Policy, 2010, 34, 955-966.	3.2	435
5	Synergistic Predation, Density Dependence, and Population Regulation in Marine Fish. Science, 1997, 277, 946-949.	12.6	380
6	COMPARING MARINE AND TERRESTRIAL ECOSYSTEMS: IMPLICATIONS FOR THE DESIGN OF COASTAL MARINE RESERVES. , 2003, 13, 90-107.		337
7	Long-Term Studies Contribute Disproportionately to Ecology and Policy. BioScience, 2017, 67, 271-281.	4.9	226
8	Conceptual Issues Relevant to Marine Harvest Refuges: Examples from Temperate Reef Fishes. Canadian Journal of Fisheries and Aquatic Sciences, 1993, 50, 2019-2028.	1.4	187
9	Effects of Macroalgal Dynamics on Recruitment of a Temperate Reef Fish. Ecology, 1994, 75, 1320-1333.	3.2	182
10	Wave disturbance overwhelms top-down and bottom-up control of primary production in California kelp forests. Ecology, 2011, 92, 2108-2116.	3.2	147
11	Habitat selection and recruitment of an assemblage of temperate zone reef fishes. Journal of Experimental Marine Biology and Ecology, 1991, 146, 113-137.	1.5	143
12	Incorporating biogeography into evaluations of the Channel Islands marine reserve network. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18272-18277.	7.1	133
13	Emerging frontiers in social-ecological systems research for sustainability of small-scale fisheries. Current Opinion in Environmental Sustainability, 2013, 5, 352-357.	6.3	127
14	Effects of macroalgal assemblages on the recruitment of temperate zone reef fishes. Journal of Experimental Marine Biology and Ecology, 1989, 126, 59-76.	1.5	124
15	Biodiversity, population regulation, and the stability of coral-reef fish communities. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11241-11245.	7.1	114
16	The central importance of ecological spatial connectivity to effective coastal marine protected areas and to meeting the challenges of climate change in the marine environment. Aquatic Conservation: Marine and Freshwater Ecosystems, 2017, 27, 6-29.	2.0	113
17	The ecology of substrate-associated juveniles of the genus <i>Sebastes</i> . Environmental Biology of Fishes, 1991, 30, 225-243.	1.0	100
18	Climate vulnerability assessment for Pacific salmon and steelhead in the California Current Large Marine Ecosystem. PLoS ONE, 2019, 14, e0217711.	2.5	94

#	ARTICLE	IF	CITATIONS
19	Integrated coastal reserve planning: making the land-sea connection. <i>Frontiers in Ecology and the Environment</i> , 2005, 3, 429-436.	4.0	90
20	The role of science in supporting marine protected area network planning and design in California. <i>Ocean and Coastal Management</i> , 2013, 74, 45-56.	4.4	84
21	Marine Protected Area Networks: Assessing Whether the Whole Is Greater than the Sum of Its Parts. <i>PLoS ONE</i> , 2014, 9, e102298.	2.5	83
22	THE ROLE OF DISPERSAL AND DISTURBANCE IN DETERMINING SPATIAL HETEROGENEITY IN SEDENTARY ORGANISMS. <i>Ecology</i> , 2000, 81, 2011-2026.	3.2	76
23	A practical approach for putting people in ecosystem-based ocean planning. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 448-456.	4.0	66
24	Establishing Marine Reserves How Can Science Best Inform Policy?. <i>Environment</i> , 2003, 45, 8-19.	1.4	62
25	Large-scale shift in the structure of a kelp forest ecosystem co-occurs with an epizootic and marine heatwave. <i>Communications Biology</i> , 2021, 4, 298.	4.4	59
26	Geographic variation in responses of kelp forest communities of the California Current to recent climatic changes. <i>Global Change Biology</i> , 2020, 26, 6457-6473.	9.5	53
27	Marine Protected Area Networks in California, USA. <i>Advances in Marine Biology</i> , 2014, 69, 205-251.	1.4	52
28	Managing Small-Scale Commercial Fisheries for Adaptive Capacity: Insights from Dynamic Social-Ecological Drivers of Change in Monterey Bay. <i>PLoS ONE</i> , 2015, 10, e0118992.	2.5	51
29	Application of species distribution models to explain and predict the distribution, abundance and assemblage structure of nearshore temperate reef fishes. <i>Diversity and Distributions</i> , 2015, 21, 1428-1440.	4.1	48
30	Setting ecological expectations for adaptive management of marine protected areas. <i>Journal of Applied Ecology</i> , 2019, 56, 2376-2385.	4.0	45
31	Dispersal of a nearshore marine fish connects marine reserves and adjacent fished areas along an open coast. <i>Molecular Ecology</i> , 2019, 28, 1611-1623.	3.9	40
32	Bincke: a highly efficient net for collecting reef fishes. <i>Environmental Biology of Fishes</i> , 1998, 51, 111-115.	1.0	38
33	Ecosystem connectivity and trophic subsidies of sandy beaches. <i>Ecosphere</i> , 2016, 7, e01503.	2.2	37
34	Marine protected areas: challenges and opportunities for understanding and conserving coastal marine ecosystems. <i>Environmental Conservation</i> , 2000, 27, 106-109.	1.3	34
35	Connectivity, Dispersal, and Recruitment: Connecting Benthic Communities and the Coastal Ocean. <i>Oceanography</i> , 2019, 32, 50-59.	1.0	34
36	Knowledge through partnerships: integrating marine protected area monitoring and ocean observing systems. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 342-350.	4.0	32

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37	The California Marine Life Protection Act: A balance of top down and bottom up governance in MPA planning. <i>Marine Policy</i> , 2013, 41, 41-49.	3.2	25
38	Fitting stateâ€space integral projection models to sizeâ€structured time series data to estimate unknown parameters. <i>Ecological Applications</i> , 2016, 26, 2677-2694.	3.8	19
39	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, .	2.5	19
40	Assessment of Habitat Representation across a Network of Marine Protected Areas with Implications for the Spatial Design of Monitoring. <i>PLoS ONE</i> , 2015, 10, e0116200.	2.5	18
41	An Online Database for Informing Ecological Network Models: <a href="http://kelpforest.ucsc.edu">http://kelpforest.ucsc.edu</a> . <i>PLoS ONE</i> , 2014, 9, e109356.	2.5	17
42	Marine Protected Areas Exemplify the Evolution of Science and Policy. <i>Oceanography</i> , 2019, 32, 94-103.	1.0	17
43	Analysis of individual year-classes of a marine fish reveals little evidence of first-generation hybrids between cryptic species in sympatric regions. <i>Marine Biology</i> , 2011, 158, 1815-1827.	1.5	13
44	Planning for Change: Assessing the Potential Role of Marine Protected Areas and Fisheries Management Approaches for Resilience Management in a Changing Ocean. <i>Oceanography</i> , 2019, 32, 116-125.	1.0	13
45	Largeâ€scale, multidecade monitoring data from kelp forest ecosystems in <scp>California</scp> and <scp>Oregon</scp> (<scp>USA</scp>). <i>Ecology</i> , 2022, 103, e3630.	3.2	12
46	Complementary Sampling Methods to Inform Ecosystem-Based Management of Nearshore Fisheries. <i>Marine and Coastal Fisheries</i> , 2010, 2, 159-179.	1.4	11
47	Integrating Coastal Oceanic and Benthic Ecological Approaches for Understanding Large-Scale Meta-Ecosystem Dynamics. <i>Oceanography</i> , 2019, 32, 38-49.	1.0	11
48	Community Responses to Climate-Related Variability and Disease: The Critical Importance of Long-Term Research. <i>Oceanography</i> , 2019, 32, 72-81.	1.0	9
49	Connecting Science to Policymakers, Managers, and Citizens. <i>Oceanography</i> , 2019, 32, 106-115.	1.0	9
50	NETWORKS â€“ The assessment of marine reserve networks: guidelines for ecological evaluation. , 0, , 293-321.		8
51	An ecological framework for informing permitting decisions on scientific activities in protected areas. <i>PLoS ONE</i> , 2018, 13, e0199126.	2.5	6
52	PISCO: A Collaborative Model for Informing Nearshore Policy. , 2005, , 827.		0