Robert J Miller

List of Publications by Year
in descending order

58 papers	3,831 citations	230014 27 h-index	156644 58 g-index
59 all docs	59 docs citations	59 times ranked	5910 citing authors

#	Article	IF	Citations
1	Nutritional quality of giant kelp declines due to warming ocean temperatures. Oikos, 2022, 2022, .	1.2	9
2	Habitat partitioning by mobile intertidal invertebrates of sandy beaches shifts with the tides. Ecosphere, 2022, 13, .	1.0	4
3	Influence of offshore oil and gas structures on seascape ecological connectivity. Global Change Biology, 2022, 28, 3515-3536.	4.2	28
4	After 15 years, no evidence for trophic cascades in marine protected areas. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203061.	1.2	14
5	Variation in disturbance to a foundation species structures the dynamics of a benthic reef community. Ecology, 2021, 102, e03304.	1.5	9
6	Sea urchin microbiomes vary with habitat and resource availability. Limnology and Oceanography Letters, 2021, 6, 119-126.	1.6	4
7	Connectivity: insights from the U.S. Long Term Ecological Research Network. Ecosphere, 2021, 12, e03432.	1.0	4
8	Marine Life 2030: Forecasting Changes to Ocean Biodiversity to Inform Decision-Making: A Critical Role for the Marine Biodiversity Observation Network (MBON). Marine Technology Society Journal, 2021, 55, 84-85.	0.3	3
9	Species identity drives ecosystem function in a subsidy-dependent coastal ecosystem. Oecologia, 2021, 196, 1195-1206.	0.9	4
10	Environmental DNA reveals the fine-grained and hierarchical spatial structure of kelp forest fish communities. Scientific Reports, 2021, 11, 14439.	1.6	22
11	Disturbance structures canopy and understory productivity along an environmental gradient. Ecology Letters, 2021, 24, 2192-2206.	3.0	16
12	Moving on up: Vertical distribution shifts in rocky reef fish species during climateâ€driven decline in dissolved oxygen from 1995 to 2009. Global Change Biology, 2021, 27, 6280-6293.	4.2	14
13	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
14	Diet of a threatened endemic fox reveals variation in sandy beach resource use on California Channel Islands. PLoS ONE, 2021, 16, e0258919.	1.1	7
15	Factors influencing urea use by giant kelp (Macrocystis pyrifera , Phaeophyceae). Limnology and Oceanography, 2021, 66, 1190-1200.	1.6	5
16	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
17	Nano and traditional copper and zinc antifouling coatings: metal release and impact on marine sessile invertebrate communities. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	41
18	Forecasting the legacy of offshore oil and gas platforms on fish community structure and productivity. Ecological Applications, 2020, 30, e02185.	1.8	18

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19	Foundation species promote community stability by increasing diversity in a giant kelp forest. Ecology, 2020, 101, e02987.	1.5	52
20	Sea urchins mediate the availability of kelp detritus to benthic consumers. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190846.	1.2	25
21	Species insurance trumps spatial insurance in stabilizing biomass of a marine macroalgal metacommunity. Ecology, 2019, 100, e02719.	1.5	38
22	Wrack resource use by intertidal consumers on sandy beaches. Estuarine, Coastal and Shelf Science, 2019, 221, 66-71.	0.9	16
23	Fish densities associated with structural elements of oil and gas platforms in southern California. Bulletin of Marine Science, 2019, 95, 639-656.	0.4	11
24	Spatial Planning of Marine Aquaculture Under Climate Decadal Variability: A Case Study for Mussel Farms in Southern California. Frontiers in Marine Science, 2019, 6, .	1.2	16
25	Decommissioning impacts on biotic assemblages associated with shell mounds beneath southern California offshore oil and gas platforms. Bulletin of Marine Science, 2019, 95, 683-702.	0.4	11
26	Giant kelp, Macrocystis pyrifera , increases faunal diversity through physical engineering. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172571.	1.2	104
27	Scale-specific drivers of kelp forest communities. Oecologia, 2018, 186, 217-233.	0.9	25
28	Loss of foundation species: disturbance frequency outweighs severity in structuring kelp forest communities. Ecology, 2018, 99, 2442-2454.	1.5	61
29	Urea as a source of nitrogen to giant kelp (Macrocystis pyrifera). Limnology and Oceanography Letters, 2018, 3, 365-373.	1.6	30
30	Comparative environmental fate and toxicity of copper nanomaterials. NanoImpact, 2017, 7, 28-40.	2.4	277
31	Photosynthetic efficiency predicts toxic effects of metal nanomaterials in phytoplankton. Aquatic Toxicology, 2017, 183, 85-93.	1.9	33
32	The value of a broad temporal and spatial perspective in understanding dynamics of kelp forest ecosystems. Marine and Freshwater Research, 2016, 67, 14.	0.7	20
33	Extreme warming challenges sentinel status of kelp forests as indicators of climate change. Nature Communications, 2016, 7, 13757.	5.8	100
34	The Effects of Anthropogenic Structures on Habitat Connectivity and the Potential Spread of Non-Native Invertebrate Species in the Offshore Environment. PLoS ONE, 2016, 11, e0152261.	1.1	19
35	Submarine canyons as coral and sponge habitat on the eastern Bering Sea slope. Global Ecology and Conservation, 2015, 4, 85-94.	1.0	13
36	Impacts of Silver Nanoparticles on a Natural Estuarine Plankton Community. Environmental Science & Technology, 2015, 49, 12968-12974.	4.6	36

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37	Trophic versus structural effects of a marine foundation species, giant kelp (Macrocystis pyrifera). Oecologia, 2015, 179, 1199-1209.	0.9	27
38	Mass mortality and slow recovery of Diadema antillarum: Could compromised immunity be a factor?. Marine Biology, 2014, 161, 1001-1013.	0.7	14
39	Cellular Partitioning of Nanoparticulate versus Dissolved Metals in Marine Phytoplankton. Environmental Science & Technology, 2014, 48, 13443-13450.	4.6	58
40	Accumulation and Toxicity of Copper Oxide Engineered Nanoparticles in a Marine Mussel. Nanomaterials, 2014, 4, 535-547.	1.9	41
41	Toxicity of ZnO nanoparticles to the copepod Acartia tonsa, exposed through a phytoplankton diet. Environmental Toxicology and Chemistry, 2013, 32, 1264-1269.	2.2	54
42	Accumulation and toxicity of metal oxide nanoparticles in a soft-sediment estuarine amphipod. Aquatic Toxicology, 2013, 142-143, 441-446.	1.9	73
43	Ecological Nanotoxicology: Integrating Nanomaterial Hazard Considerations Across the Subcellular, Population, Community, and Ecosystems Levels. Accounts of Chemical Research, 2013, 46, 813-822.	7.6	125
44	Persistence of commercial nanoscaled zero-valent iron (nZVI) and by-products. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	84
45	Implementation of a Multidisciplinary Approach to Solve Complex Nano EHS Problems by the UC Center for the Environmental Implications of Nanotechnology. Small, 2013, 9, 1428-1443.	5.2	32
46	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
47	Stable Isotopes Reveal Trophic Relationships and Diet of Consumers in Temperate Kelp Forest and Coral Reef Ecosystems. Oceanography, 2013, 26, 180-189.	0.5	25
48	Impact of Engineered Zinc Oxide Nanoparticles on the Individual Performance of Mytilus galloprovincialis. PLoS ONE, 2013, 8, e61800.	1.1	60
49	TiO2 Nanoparticles Are Phototoxic to Marine Phytoplankton. PLoS ONE, 2012, 7, e30321.	1.1	223
50	Structure-Forming Corals and Sponges and Their Use as Fish Habitat in Bering Sea Submarine Canyons. PLoS ONE, 2012, 7, e33885.	1.1	82
51	Kelp as a trophic resource for marine suspension feeders: a review of isotope-based evidence. Marine Biology, 2012, 159, 1391-1402.	0.7	89
52	Addition of species abundance and performance predicts community primary production of macroalgae. Oecologia, 2012, 168, 797-806.	0.9	21
53	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
54	Impacts of Metal Oxide Nanoparticles on Marine Phytoplankton. Environmental Science & Technology, 2010, 44, 7329-7334.	4.6	280

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55	Stability and Aggregation of Metal Oxide Nanoparticles in Natural Aqueous Matrices. Environmental Science & Technology, 2010, 44, 1962-1967.	4.6	1,162
56	SHADING FACILITATES SESSILE INVERTEBRATE DOMINANCE IN THE ROCKY SUBTIDAL GULF OF MAINE. Ecology, 2008, 89, 452-462.	1.5	90
57	Feeding preference of Strongylocentrotus droebachiensis (Echinoidea) for a dominant native ascidian, Aplidium glabrum, relative to the invasive ascidian Botrylloides violaceus. Journal of Experimental Marine Biology and Ecology, 2007, 342, 93-98.	0.7	27
58	Evidence for positive density-dependent effects in recovering Diadema antillarum populations. Journal of Experimental Marine Biology and Ecology, 2007, 349, 215-222.	0.7	35