

Craig R McClain

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

3,130
citations

30
h-index

55
g-index

76
ext. papers

3,750
ext. citations

5
avg, IF

5.49
L-index

#	Paper	IF	Citations
71	The commonness of rarity in a deep-sea taxon. <i>Oikos</i> , 2021 , 130, 863-878	4	5
70	Visible name changes promote inequity for transgender researchers. <i>PLoS Biology</i> , 2021 , 19, e3001104	9.7	5
69	Idiographic and nomothetic approaches to heterogeneity are complementary: Response to comments on Evaluating the influences of temperature, primary production, and evolutionary history on bivalve growth rates <i>Paleobiology</i> , 2020 , 46, 275-277	2.6	
68	Ecological variables for developing a global deep-ocean monitoring and conservation strategy. <i>Nature Ecology and Evolution</i> , 2020 , 4, 181-192	12.3	62
67	Metabolic Niches and Biodiversity: A Test Case in the Deep Sea Benthos. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	3
66	Trait-based diversity of deep-sea benthic megafauna communities near the Deepwater Horizon oil spill site. <i>Marine Ecology</i> , 2020 , 41, e12611	1.4	0
65	A Synthesis of Deep Benthic Faunal Impacts and Resilience Following the Deepwater Horizon Oil Spill. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	6
64	A Blueprint for an Inclusive, Global Deep-Sea Ocean Decade Field Program. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	12
63	Persistent and substantial impacts of the Deepwater Horizon oil spill on deep-sea megafauna. <i>Royal Society Open Science</i> , 2019 , 6, 191164	3.3	12
62	Evaluating the influences of temperature, primary production, and evolutionary history on bivalve growth rates. <i>Paleobiology</i> , 2019 , 45, 405-420	2.6	13
61	Likes, comments, and shares of marine organism imagery on Facebook. <i>PeerJ</i> , 2019 , 7, e6795	3.1	7
60	Alligators in the abyss: The first experimental reptilian food fall in the deep ocean. <i>PLoS ONE</i> , 2019 , 14, e0225345	3.7	3
59	Energetic tradeoffs control the size distribution of aquatic mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4194-4199	11.5	49
58	Is biodiversity energy-limited or unbounded? A test in fossil and modern bivalves. <i>Paleobiology</i> , 2018 , 44, 385-401	2.6	7
57	Increased energy differentially increases richness and abundance of optimal body sizes in deep-sea wood falls. <i>Ecology</i> , 2018 , 99, 184-195	4.6	7
56	Energetic increases lead to niche packing in deep-sea wood falls. <i>Biology Letters</i> , 2018 , 14,	3.6	5
55	The Evolution of Energetic Scaling across the Vertebrate Tree of Life. <i>American Naturalist</i> , 2017 , 190, 185-199	3.7	59

54	Practices and promises of Facebook for science outreach: Becoming a "Nerd of Trust". <i>PLoS Biology</i> , 2017 , 15, e2002020	9.7	36
53	Abundance-occupancy relationships in deep sea wood fall communities. <i>Ecography</i> , 2017 , 40, 1339-1347	6.5	9
52	Nestedness and species replacement along bathymetric gradients in the deep sea reflect productivity: a test with polychaete assemblages in the oligotrophic north-west Gulf of Mexico. <i>Journal of Biogeography</i> , 2017 , 44, 548-555	4.1	16
51	Multiple processes generate productivity-diversity relationships in experimental wood-fall communities. <i>Ecology</i> , 2016 , 97, 885-98	4.6	18
50	Body Size Evolution Across the Geozoic. <i>Annual Review of Earth and Planetary Sciences</i> , 2016 , 44, 523-553	5.3	40
49	Evolution of the indoor biome. <i>Trends in Ecology and Evolution</i> , 2015 , 30, 223-32	10.9	61
48	Linking Evolution, Ecology, and Health: TriCEM. <i>BioScience</i> , 2015 , 65, 748-749	5.7	
47	Extinctions. Paleontological baselines for evaluating extinction risk in the modern oceans. <i>Science</i> , 2015 , 348, 567-70	33.3	79
46	Assemblage structure is related to slope and depth on a deep offshore Pacific seamount chain. <i>Marine Ecology</i> , 2015 , 36, 210-220	1.4	22
45	On some hypotheses of diversity of animal life at great depths on the sea floor. <i>Marine Ecology</i> , 2015 , 36, 849-872	1.4	64
44	Marine extinction risk shaped by trait-environment interactions over 500-million years. <i>Global Change Biology</i> , 2015 , 21, 3595-607	11.4	25
43	Toward a Conceptual Understanding of Diversity in the Deep-Sea Benthos. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2015 , 46, 623-642	13.5	35
42	Sizing ocean giants: patterns of intraspecific size variation in marine megafauna. <i>PeerJ</i> , 2015 , 3, e715	3.1	71
41	Metabolic dominance of bivalves predates brachiopod diversity decline by more than 150 million years. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20133122	4.4	42
40	Does energy availability predict gastropod reproductive strategies?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20140400	4.4	6
39	Beta-diversity on deep-sea wood falls reflects gradients in energy availability. <i>Biology Letters</i> , 2014 , 10, 20140129	3.6	30
38	A critical evaluation of science outreach via social media: its role and impact on scientists. <i>F1000Research</i> , 2014 , 3, 300	3.6	8
37	Contrasting patterns of β and δ diversity in deep-sea bivalves of the eastern and western North Atlantic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013 , 92, 157-164	2.3	25

36	Unravelling the determinants of insular body size shifts. <i>Biology Letters</i> , 2013 , 9, 20120989	3.6	23
35	Science incubators: synthesis centers and their role in the research ecosystem. <i>PLoS Biology</i> , 2013 , 11, e1001468	9.7	23
34	Increased energy promotes size-based niche availability in marine mollusks. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 2204-15	3.8	21
33	Extinctions in ancient and modern seas. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 608-17	10.9	182
32	Energetics of life on the deep seafloor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15366-71	11.5	103
31	A Lack of Attribution: Closing the Citation Gap Through a Reform of Citation and Indexing Practices. <i>Taxon</i> , 2012 , 61, 1349-1351	0.8	6
30	Dispersal, environmental niches and oceanic-scale turnover in deep-sea bivalves. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 1993-2002	4.4	46
29	Escargots through time: an energetic comparison of marine gastropod assemblages before and after the Mesozoic Marine Revolution. <i>Paleobiology</i> , 2011 , 37, 252-269	2.6	52
28	Species-energy relationships in deep-sea molluscs. <i>Biology Letters</i> , 2011 , 7, 718-22	3.6	60
27	THE GEOZOIC SUPEREON. <i>Palaios</i> , 2011 , 26, 251-255	1.6	4
26	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. <i>Photosynthesis Research</i> , 2011 , 107, 37-57	3.7	88
25	Local-scale faunal turnover on the deep Pacific seafloor. <i>Marine Ecology - Progress Series</i> , 2011 , 422, 193-200	2.8	
24	Assemblage structure, but not diversity or density, change with depth on a northeast Pacific seamount. <i>Marine Ecology</i> , 2010 , 31, 14-25	1.4	50
23	The dynamics of biogeographic ranges in the deep sea. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 3533-46	4.4	144
22	Habitat heterogeneity, disturbance, and productivity work in concert to regulate biodiversity in deep submarine canyons. <i>Ecology</i> , 2010 , 91, 964-76	4.6	159
21	An Empire Lacking Food. <i>American Scientist</i> , 2010 , 98, 470	2.7	2
20	Endemicity, biogeography, composition, and community structure on a northeast pacific seamount. <i>PLoS ONE</i> , 2009 , 4, e4141	3.7	75
19	Biodiversity and body size are linked across metazoans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 2209-15	4.4	28

18	Two-phase increase in the maximum size of life over 3.5 billion years reflects biological innovation and environmental opportunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 24-7	11.5	192
17	Ichthyofauna on three seamounts off southern and central California, USA. <i>Marine Ecology - Progress Series</i> , 2009 , 389, 223-232	2.6	25
16	Challenges in the application of geometric constraint models. <i>Global Ecology and Biogeography</i> , 2007 , 16, 257-264	6.1	23
15	Seamounts: identity crisis or split personality?. <i>Journal of Biogeography</i> , 2007 , 34, 2001-2008	4.1	90
14	The relationship between the standing stock of deep-sea macrobenthos and surface production in the western North Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007 , 54, 1350-1360	2.5	68
13	Global bathymetric patterns of standing stock and body size in the deep-sea benthos. <i>Marine Ecology - Progress Series</i> , 2006 , 317, 1-8	2.6	334
12	The island rule and the evolution of body size in the deep sea. <i>Journal of Biogeography</i> , 2006 , 33, 1578-1584	4.8	56
11	Influence of ecological role on bathymetric patterns of deep-sea species: size clines in parasitic gastropods. <i>Marine Ecology - Progress Series</i> , 2006 , 320, 161-167	2.6	2
10	BATHYMETRIC PATTERNS OF MORPHOLOGICAL DISPARITY IN DEEP-SEA GASTROPODS FROM THE WESTERN NORTH ATLANTIC BASIN. <i>Evolution; International Journal of Organic Evolution</i> , 2005 , 59, 1492-1499	3.8	2
9	A source-sink hypothesis for abyssal biodiversity. <i>American Naturalist</i> , 2005 , 165, 163-78	3.7	187
8	BATHYMETRIC PATTERNS OF MORPHOLOGICAL DISPARITY IN DEEP-SEA GASTROPODS FROM THE WESTERN NORTH ATLANTIC BASIN. <i>Evolution; International Journal of Organic Evolution</i> , 2005 , 59, 1492-1499	3.8	29
7	Mid-domain models as predictors of species diversity patterns: bathymetric diversity gradients in the deep sea. <i>Oikos</i> , 2005 , 109, 555-566	4	45
6	Bathymetric patterns of morphological disparity in deep-sea gastropods from the western North Atlantic basin. <i>Evolution; International Journal of Organic Evolution</i> , 2005 , 59, 1492-9	3.8	4
5	Connecting species richness, abundance and body size in deep-sea gastropods. <i>Global Ecology and Biogeography</i> , 2004 , 13, 327-334	6.1	48
4	Morphological disparity as a biodiversity metric in lower bathyal and abyssal gastropod assemblages. <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 338-48	3.8	36
3	MOCNESS estimates of the size and abundance of a pelagic gonostomatid fish <i>Cyclothone pallida</i> off the Bahamas. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2001 , 81, 869-871	1.1	6
2	Digital Environmentalism: Tools and Strategies for the Evolving Online Ecosystem	364-372	7
1	Patterns in Deep-Sea Macroecology	65-100	17

