

Craig R McClain

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7455806/craig-r-mcclain-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
70	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
69	A source-sink hypothesis for abyssal biodiversity. <i>American Naturalist</i> , 2005 , 165, 163-78	3.7	187
68	Extinctions in ancient and modern seas. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 608-17	10.9	182
67	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
66	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
65	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
64	Seamounts: identity crisis or split personality?. <i>Journal of Biogeography</i> , 2007 , 34, 2001-2008	4.1	90
63	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. <i>Photosynthesis Research</i> , 2011 , 107, 37-57	3.7	88
62	Extinctions. Paleontological baselines for evaluating extinction risk in the modern oceans. <i>Science</i> , 2015 , 348, 567-70	33.3	79
61	Endemism, biogeography, composition, and community structure on a northeast pacific seamount. <i>PLoS ONE</i> , 2009 , 4, e4141	3.7	75
60	Sizing ocean giants: patterns of intraspecific size variation in marine megafauna. <i>PeerJ</i> , 2015 , 3, e715	3.1	71
59	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 ⁵	2.5	68
58	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
57	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
56	Evolution of the indoor biome. <i>Trends in Ecology and Evolution</i> , 2015 , 30, 223-32	10.9	61
55	Species-energy relationships in deep-sea molluscs. <i>Biology Letters</i> , 2011 , 7, 718-22	3.6	60

54	The Evolution of Energetic Scaling across the Vertebrate Tree of Life. <i>American Naturalist</i> , 2017 , 190, 185-199	3.7	59
53	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
52	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
51	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
50	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
49	Connecting species richness, abundance and body size in deep-sea gastropods. <i>Global Ecology and Biogeography</i> , 2004 , 13, 327-334	6.1	48
48	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
47	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
46	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
45	Body Size Evolution Across the Geozoic. <i>Annual Review of Earth and Planetary Sciences</i> , 2016 , 44, 523-553	5.3	40
44	Practices and promises of Facebook for science outreach: Becoming a "Nerd of Trust". <i>PLoS Biology</i> , 2017 , 15, e2002020	9.7	36
43	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
42	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
41	Beta-diversity on deep-sea wood falls reflects gradients in energy availability. <i>Biology Letters</i> , 2014 , 10, 20140129	3.6	30
40	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
39	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
38	Local-scale faunal turnover on the deep Pacific seafloor. <i>Marine Ecology - Progress Series</i> , 2011 , 422, 193-200	2.0	28
37	Contrasting patterns of taxon and 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	Marine extinction risk shaped by trait-environment interactions over 500 million years. <i>Global Change Biology</i> , 2015 , 21, 3595-607	11.4	25
35	Ichthyofauna on three seamounts off southern and central California, USA. <i>Marine Ecology - Progress Series</i> , 2009 , 389, 223-232	2.6	25
34	Unravelling the determinants of insular body size shifts. <i>Biology Letters</i> , 2013 , 9, 20120989	3.6	23
33	Science incubators: synthesis centers and their role in the research ecosystem. <i>PLoS Biology</i> , 2013 , 11, e1001468	9.7	23
32	Challenges in the application of geometric constraint models. <i>Global Ecology and Biogeography</i> , 2007 , 16, 257-264	6.1	23
31	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
30	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
29	Multiple processes generate productivity-diversity relationships in experimental wood-fall communities. <i>Ecology</i> , 2016 , 97, 885-98	4.6	18
28	Patterns in Deep-Sea Macroecology	65-100	17
27	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
26	Evaluating the influences of temperature, primary production, and evolutionary history on bivalve growth rates. <i>Paleobiology</i> , 2019 , 45, 405-420	2.6	13
25	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
24	A Blueprint for an Inclusive, Global Deep-Sea Ocean Decade Field Program. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	12
23	Abundance-occupancy relationships in deep sea wood fall communities. <i>Ecography</i> , 2017 , 40, 1339-1347	6.5	9
22	A critical evaluation of science outreach via social media: its role and impact on scientists. <i>F1000Research</i> , 2014 , 3, 300	3.6	8
21	Is biodiversity energy-limited or unbounded? A test in fossil and modern bivalves. <i>Paleobiology</i> , 2018 , 44, 385-401	2.6	7
20	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
19	Digital Environmentalism: Tools and Strategies for the Evolving Online Ecosystem	364-372	7

18	Likes, comments, and shares of marine organism imagery on Facebook. <i>PeerJ</i> , 2019 , 7, e6795	3.1	7
17	Does energy availability predict gastropod reproductive strategies?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20140400	4.4	6
16	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
15	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
14	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
13	The commonness of rarity in a deep-sea taxon. <i>Oikos</i> , 2021 , 130, 863-878	4	5
12	Visible name changes promote inequity for transgender researchers. <i>PLoS Biology</i> , 2021 , 19, e3001104	9.7	5
11	Energetic increases lead to niche packing in deep-sea wood falls. <i>Biology Letters</i> , 2018 , 14,	3.6	5
10	THE GEOZOIC SUPEREON. <i>Palaios</i> , 2011 , 26, 251-255	1.6	4
9	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
8	Metabolic Niches and Biodiversity: A Test Case in the Deep Sea Benthos. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	3
7	Alligators in the abyss: The first experimental reptilian food fall in the deep ocean. <i>PLoS ONE</i> , 2019 , 14, e0225345	3.7	3
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	3.8	2
5	An Empire Lacking Food. <i>American Scientist</i> , 2010 , 98, 470	2.7	2
4	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
3	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
2	Linking Evolution, Ecology, and Health: TriCEM. <i>BioScience</i> , 2015 , 65, 748-749	5.7	
1	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	

