

Matthew A Kosnik

List of Publications by Citations

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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.

35
papers

2,090
citations

22
h-index

39
g-index

39
ext. papers

2,357
ext. citations

6.6
avg, IF

4.29
L-index

#	Paper	IF	Citations
35	Phanerozoic trends in the global diversity of marine invertebrates. <i>Science</i> , 2008 , 321, 97-100	33.3	523
34	Effects of sampling standardization on estimates of Phanerozoic marine diversification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 6261-6	11.5	375
33	Abundance distributions imply elevated complexity of post-Paleozoic marine ecosystems. <i>Science</i> , 2006 , 314, 1289-92	33.3	145
32	Quantifying temporal change in biodiversity: challenges and opportunities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20121931	4.4	137
31	The Coral Trait Database, a curated database of trait information for coral species from the global oceans. <i>Scientific Data</i> , 2016 , 3, 160017	8.2	113
30	Statistical independence of escalatory ecological trends in Phanerozoic marine invertebrates. <i>Science</i> , 2006 , 312, 897-900	33.3	68
29	Taphonomic bias and time-averaging in tropical molluscan death assemblages: differential shell half-lives in Great Barrier Reef sediment. <i>Paleobiology</i> , 2009 , 35, 565-586	2.6	61
28	Identifying outliers and assessing the accuracy of amino acid racemization measurements for geochronology: II. Data screening. <i>Quaternary Geochronology</i> , 2008 , 3, 328-341	2.7	57
27	QUANTIFYING MOLLUSCAN BODY SIZE IN EVOLUTIONARY AND ECOLOGICAL ANALYSES: MAXIMIZING THE RETURN ON DATA-COLLECTION EFFORTS. <i>Palaios</i> , 2006 , 21, 588-597	1.6	57
26	Are the most durable shelly taxa also the most common in the marine fossil record?. <i>Paleobiology</i> , 2005 , 31, 607-623	2.6	53
25	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
24	Sediment mixing and stratigraphic disorder revealed by the age-structure of Tellina shells in Great Barrier Reef sediment. <i>Geology</i> , 2007 , 35, 811	5	52
23	Identifying outliers and assessing the accuracy of amino acid racemization measurements for geochronology: I. Age calibration curves. <i>Quaternary Geochronology</i> , 2008 , 3, 308-327	2.7	36
22	Radiocarbon-calibrated multiple amino acid geochronology of Holocene molluscs from Bramble and Rib Reefs (Great Barrier Reef, Australia). <i>Quaternary Geochronology</i> , 2013 , 16, 73-86	2.7	27
21	Amino acid ratios in reworked marine bivalve shells constrain Greenland Ice Sheet history during the Holocene. <i>Geology</i> , 2014 , 42, 75-78	5	27
20	Characterizing the dynamics of amino acid racemization using time-dependent reaction kinetics: A Bayesian approach to fitting age-calibration models. <i>Quaternary Geochronology</i> , 2013 , 18, 63-77	2.7	26
19	Architecture of crossed-lamellar bivalve shells: the southern giant clam (<i>Tridacna</i> , Röding, 1798). <i>Royal Society Open Science</i> , 2017 , 4, 170622	3.3	26

18	Sediment accumulation, stratigraphic order, and the extent of time-averaging in lagoonal sediments: a comparison of ²¹⁰ Pb and ¹⁴ C/amino acid racemization chronologies. <i>Coral Reefs</i> , 2015 , 34, 215-229	4.2	25
17	Changes in shell durability of common marine taxa through the Phanerozoic: evidence for biological rather than taphonomic drivers. <i>Paleobiology</i> , 2011 , 37, 303-331	2.6	25
16	TIME-AVERAGING AND STRATIGRAPHIC RESOLUTION IN DEATH ASSEMBLAGES AND HOLOCENE DEPOSITS: SYDNEY HARBOUR'S MOLLUSCAN RECORD. <i>Palaios</i> , 2016 , 31, 563-574	1.6	23
15	SPATIAL VARIATION IN THE TEMPORAL RESOLUTION OF SUBTROPICAL SHALLOW-WATER MOLLUSCAN DEATH ASSEMBLAGES. <i>Palaios</i> , 2017 , 32, 572-583	1.6	23
14	One fossil record, multiple time resolutions: Disparate time-averaging of echinoids and mollusks on a Holocene carbonate platform. <i>Geology</i> , 2018 , 46, 51-54	5	23
13	Changes in Late Cretaceous-Early Tertiary benthic marine assemblages: analyses from the North American coastal plain shallow shelf. <i>Paleobiology</i> , 2005 , 31, 459-479	2.6	21
12	Biomacromolecules in bivalve shells with crossed lamellar architecture. <i>Journal of Materials Science</i> , 2019 , 54, 4952-4969	4.3	21
11	Testing the ecological relevance of Daphnia species designations. <i>Freshwater Biology</i> , 2004 , 49, 55-64	3.1	20
10	Understanding modern extinctions in marine ecosystems: the role of palaeoecological data. <i>Biology Letters</i> , 2016 , 12,	3.6	18
9	Converting A/I values (ion exchange) to D/L values (reverse phase) for amino acid geochronology. <i>Quaternary Geochronology</i> , 2017 , 37, 1-6	2.7	12
8	Dead shell assemblages faithfully record living molluscan assemblages at One Tree Reef. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016 , 457, 158-169	2.9	8
7	Radiocarbon-calibrated amino acid racemization ages from Holocene sand dollars (<i>Peronella peronii</i>). <i>Quaternary Geochronology</i> , 2017 , 39, 174-188	2.7	7
6	ENCOUNTER FREQUENCY DOES NOT PREDICT PREDATION FREQUENCY IN TROPICAL DEAD-SHELL ASSEMBLAGES. <i>Palaios</i> , 2015 , 30, 818-826	1.6	6
5	Byzantia: A new genus (Gastropoda: Neritopsidae) from the Permian of west Texas. <i>Journal of Paleontology</i> , 1997 , 71, 53-56	1.1	6
4	COMPARING DIRECT CARBONATE AND STANDARD GRAPHITE ¹⁴ C DETERMINATIONS OF BIOGENIC CARBONATES. <i>Radiocarbon</i> , 2021 , 63, 387-403	4.6	6
3	PASSIVE DEFENSIVE TRAITS ARE NOT GOOD PREDICTORS OF PREDATION FOR INFAUNAL REEF BIVALVES. <i>Palaios</i> , 2016 , 31, 607-615	1.6	3
2	Direct AMS ¹⁴ C Analysis of Carbonate. <i>Radiocarbon</i> , 2019 , 61, 1431-1440	4.6	1
1	Fossil Record 2013 , 537-544		

