

Matthew A Kosnik

List of Publications by Year in descending order

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37
papers

2,666
citations

257357

24
h-index

360920

35
g-index

39
all docs

39
docs citations

39
times ranked

2990
citing authors

#	ARTICLE	IF	CITATIONS
1	Phanerozoic Trends in the Global Diversity of Marine Invertebrates. <i>Science</i> , 2008, 321, 97-100.	6.0	643
2	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, 6261-6266.	3.3	440
3	The Coral Trait Database, a curated database of trait information for coral species from the global oceans. <i>Scientific Data</i> , 2016, 3, 160017.	2.4	189
4	Quantifying temporal change in biodiversity: challenges and opportunities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20121931.	1.2	178
5	Abundance Distributions Imply Elevated Complexity of Post-Paleozoic Marine Ecosystems. <i>Science</i> , 2006, 314, 1289-1292.	6.0	171
6	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.	1.3	95
7	Statistical Independence of Escalatory Ecological Trends in Phanerozoic Marine Invertebrates. <i>Science</i> , 2006, 312, 897-900.	6.0	77
8	Identifying outliers and assessing the accuracy of amino acid racemization measurements for geochronology: II. Data screening. <i>Quaternary Geochronology</i> , 2008, 3, 328-341.	0.6	75
9	QUANTIFYING MOLLUSCAN BODY SIZE IN EVOLUTIONARY AND ECOLOGICAL ANALYSES: MAXIMIZING THE RETURN ON DATA-COLLECTION EFFORTS. <i>Palaios</i> , 2006, 21, 588-597.	0.6	73
10	Sediment mixing and stratigraphic disorder revealed by the age-structure of <i>Tellina</i> shells in Great Barrier Reef sediment. <i>Geology</i> , 2007, 35, 811.	2.0	70
11	Escargots through time: an energetic comparison of marine gastropod assemblages before and after the Mesozoic Marine Revolution. <i>Paleobiology</i> , 2011, 37, 252-269.	1.3	61
12	Are the most durable shelly taxa also the most common in the marine fossil record?. <i>Paleobiology</i> , 2005, 31, 607-623.	1.3	59
13	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.	0.6	47
14	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.	0.6	40
15	Architecture of crossed-lamellar bivalve shells: the southern giant clam (<i>Tridacna derasa</i>)	1.1	38
16	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.	0.6	36
17	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.	0.9	36
18	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.	2.0	35

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19	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.	1.3	31
20	TIME-AVERAGING AND STRATIGRAPHIC RESOLUTION IN DEATH ASSEMBLAGES AND HOLOCENE DEPOSITS: SYDNEY HARBOUR'S MOLLUSCAN RECORD. <i>Palaios</i> , 2016, 31, 563-574.	0.6	31
21	SPATIAL VARIATION IN THE TEMPORAL RESOLUTION OF SUBTROPICAL SHALLOW-WATER MOLLUSCAN DEATH ASSEMBLAGES. <i>Palaios</i> , 2017, 32, 572-583.	0.6	31
22	Biomacromolecules in bivalve shells with crossed lamellar architecture. <i>Journal of Materials Science</i> , 2019, 54, 4952-4969.	1.7	29
23	Amino acid ratios in reworked marine bivalve shells constrain Greenland Ice Sheet history during the Holocene. <i>Geology</i> , 2014, 42, 75-78.	2.0	28
24	Testing the ecological relevance of <i>Daphnia</i> species designations. <i>Freshwater Biology</i> , 2004, 49, 55-64.	1.2	27
25	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.	1.3	24
26	Understanding modern extinctions in marine ecosystems: the role of palaeoecological data. <i>Biology Letters</i> , 2016, 12, 20150951.	1.0	23
27	Converting A/I values (ion exchange) to D/L values (reverse phase) for amino acid geochronology. <i>Quaternary Geochronology</i> , 2017, 37, 1-6.	0.6	15
28	COMPARING DIRECT CARBONATE AND STANDARD GRAPHITE ¹⁴ C DETERMINATIONS OF BIOGENIC CARBONATES. <i>Radiocarbon</i> , 2021, 63, 387-403.	0.8	14
29	Dead shell assemblages faithfully record living molluscan assemblages at One Tree Reef. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 457, 158-169.	1.0	12
30	ENCOUNTER FREQUENCY DOES NOT PREDICT PREDATION FREQUENCY IN TROPICAL DEAD-SHELL ASSEMBLAGES. <i>Palaios</i> , 2015, 30, 818-826.	0.6	11
31	Radiocarbon-calibrated amino acid racemization ages from Holocene sand dollars (<i>Peronella peronii</i>). <i>Quaternary Geochronology</i> , 2017, 39, 174-188.	0.6	8
32	<i>Byzantia</i> : A new genus (Gastropoda: Neritopsidae) from the Permian of west Texas. <i>Journal of Paleontology</i> , 1997, 71, 53-56.	0.5	6
33	PASSIVE DEFENSIVE TRAITS ARE NOT GOOD PREDICTORS OF PREDATION FOR INFAUNAL REEF BIVALVES. <i>Palaios</i> , 2016, 31, 607-615.	0.6	3
34	Direct AMS ¹⁴ C Analysis of Carbonate. <i>Radiocarbon</i> , 2019, 61, 1431-1440.	0.8	3
35	Determining taxon-specific preservation potentials for an entire fauna: pipe dream or possibility?. <i>Quaternary International</i> , 2012, 279-280, 253.	0.7	0
36	<i>Fossil Record.</i> , 2013,, 537-544.		0

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37	Amino Acid Racemization, Biostratigraphy. Encyclopedia of Earth Sciences Series, 2015, , 26-28.	0.1	0