Matthew A Kosnik

List of Publications by Year in Descending Order

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	COMPARING DIRECT CARBONATE AND STANDARD GRAPHITE 14C DETERMINATIONS OF BIOGENIC CARBONATES. *Radiocarbon*, **2021**, 63, 387-403	4.6	6
34	Direct AMS 14C Analysis of Carbonate. *Radiocarbon*, **2019**, 61, 1431-1440	4.6	1
33	Biomacromolecules in bivalve shells with crossed lamellar architecture. *Journal of Materials Science*, **2019**, 54, 4952-4969	4.3	21
32	One fossil record, multiple time resolutions: Disparate time-averaging of echinoids and mollusks on a Holocene carbonate platform. *Geology*, **2018**, 46, 51-54	5	23
31	Converting A/I values (ion exchange) to D/L values (reverse phase) for amino acid geochronology. *Quaternary Geochronology*, **2017**, 37, 1-6	2.7	12
30	Radiocarbon-calibrated amino acid racemization ages from Holocene sand dollars (Peronella peronii). *Quaternary Geochronology*, **2017**, 39, 174-188	2.7	7
29	SPATIAL VARIATION IN THE TEMPORAL RESOLUTION OF SUBTROPICAL SHALLOW-WATER MOLLUSCAN DEATH ASSEMBLAGES. *Palaios*, **2017**, 32, 572-583	1.6	23
28	Architecture of crossed-lamellar bivalve shells: the southern giant clam (, R□ding, 1798). *Royal Society Open Science*, **2017**, 4, 170622	3.3	26
27	TIME-AVERAGING AND STRATIGRAPHIC RESOLUTION IN DEATH ASSEMBLAGES AND HOLOCENE DEPOSITS: SYDNEY HARBOUR'S MOLLUSCAN RECORD. *Palaios*, **2016**, 31, 563-574	1.6	23
26	PASSIVE DEFENSIVE TRAITS ARE NOT GOOD PREDICTORS OF PREDATION FOR INFAUNAL REEF BIVALVES. *Palaios*, **2016**, 31, 607-615	1.6	3
25	Dead shell assemblages faithfully record living molluscan assemblages at One Tree Reef. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2016**, 457, 158-169	2.9	8
24	The Coral Trait Database, a curated database of trait information for coral species from the global oceans. *Scientific Data*, **2016**, 3, 160017	8.2	113
23	Understanding modern extinctions in marine ecosystems: the role of palaeoecological data. *Biology Letters*, **2016**, 12,	3.6	18
22	ENCOUNTER FREQUENCY DOES NOT PREDICT PREDATION FREQUENCY IN TROPICAL DEAD-SHELL ASSEMBLAGES. *Palaios*, **2015**, 30, 818-826	1.6	6
21	Sediment accumulation, stratigraphic order, and the extent of time-averaging in lagoonal sediments: a comparison of 210Pb and 14C/amino acid racemization chronologies. *Coral Reefs*, **2015**, 34, 215-229	4.2	25
20	Amino acid ratios in reworked marine bivalve shells constrain Greenland Ice Sheet history during the Holocene. *Geology*, **2014**, 42, 75-78	5	27
19	Characterizing the dynamics of amino acid racemization using time-dependent reaction kinetics: A Bayesian approach to fitting age-calibration models. *Quaternary Geochronology*, **2013**, 18, 63-77	2.7	26

18	Radiocarbon-calibrated multiple amino acid geochronology of Holocene molluscs from Bramble and Rib Reefs (Great Barrier Reef, Australia). *Quaternary Geochronology*, **2013**, 16, 73-86	2.7	27
17	Quantifying temporal change in biodiversity: challenges and opportunities. *Proceedings of the Royal Society B: Biological Sciences*, **2013**, 280, 20121931	4.4	137
16	Fossil Record **2013**, 537-544		
15	Escargots through time: an energetic comparison of marine gastropod assemblages before and after the Mesozoic Marine Revolution. *Paleobiology*, **2011**, 37, 252-269	2.6	52
14	Changes in shell durability of common marine taxa through the Phanerozoic: evidence for biological rather than taphonomic drivers. *Paleobiology*, **2011**, 37, 303-331	2.6	25
13	Taphonomic bias and time-averaging in tropical molluscan death assemblages: differential shell half-lives in Great Barrier Reef sediment. *Paleobiology*, **2009**, 35, 565-586	2.6	61
12	Identifying outliers and assessing the accuracy of amino acid racemization measurements for geochronology: II. Data screening. *Quaternary Geochronology*, **2008**, 3, 328-341	2.7	57
11	Identifying outliers and assessing the accuracy of amino acid racemization measurements for geochronology: I. Age calibration curves. *Quaternary Geochronology*, **2008**, 3, 308-327	2.7	36
10	Phanerozoic trends in the global diversity of marine invertebrates. *Science*, **2008**, 321, 97-100	33.3	523
9	Sediment mixing and stratigraphic disorder revealed by the age-structure of Tellina shells in Great Barrier Reef sediment. *Geology*, **2007**, 35, 811	5	52
8	Abundance distributions imply elevated complexity of post-Paleozoic marine ecosystems. *Science*, **2006**, 314, 1289-92	33.3	145
7	Statistical independence of escalatory ecological trends in Phanerozoic marine invertebrates. *Science*, **2006**, 312, 897-900	33.3	68
6	QUANTIFYING MOLLUSCAN BODY SIZE IN EVOLUTIONARY AND ECOLOGICAL ANALYSES: MAXIMIZING THE RETURN ON DATA-COLLECTION EFFORTS. *Palaios*, **2006**, 21, 588-597	1.6	57
5	Are the most durable shelly taxa also the most common in the marine fossil record?. *Paleobiology*, **2005**, 31, 607-623	2.6	53
4	Changes in Late Cretaceous–Early Tertiary benthic marine assemblages: analyses from the North American coastal plain shallow shelf. *Paleobiology*, **2005**, 31, 459-479	2.6	21
3	Testing the ecological relevance of Daphnia species designations. *Freshwater Biology*, **2004**, 49, 55-64	3.1	20
2	Effects of sampling standardization on estimates of Phanerozoic marine diversification. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 6261-6	11.5	375
1	Byzantia: A new genus (Gastropoda: Neritopsidae) from the Permian of west Texas. *Journal of Paleontology*, **1997**, 71, 53-56	1.1	6