Michal Kowalewski

List of Articles by Year in descending order

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Version: 2025-02-01

120 peer-reviewed articles	3,612 peer-reviewed citations	184372 32 peer-reviewed h-index	1844236 1.81 score
132 documents	4457 doc citations	163079 36 h-index	6189 citing authors

#	Article	IF	Citations
1	Fossil samples archive functional diversity in marine ecosystems: An empirical test from a present-day coastal environment. Proceedings of the National Academy of Sciences of the United States of America, 2025, 122, .	5.2	2
2	Ideas and perspectives: Human impacts alter the marine fossil record. Biogeosciences, 2024, 21, 2177-2188.	2.2	8
3	Abundance–diversity relationship as a unique signature of temporal scaling in the fossil record. Ecology Letters, 2024, 27, .	4.1	5
4	Human-driven breakdown of predator–prey interactions in the northern Adriatic Sea. Proceedings of the Royal Society B: Biological Sciences, 2024, 291, .	1.6	1
5	Semicassis globosum (Mollusca: Gastropoda: Cassidae) from the upper Eocene Ocala Limestone of Florida with redescription and discussion of its extreme morphological variability. Historical Biology, 2023, 35, 734-747.	0.8	0
6	Assessing biotic response to anthropogenic forcing using mollusc assemblages from the Po–Adriatic System (Italy). Geological Society Special Publication, 2023, 529, 293-310.	1.0	7
7	Concordant Spatial Gradients in Predation Intensity and Productivity Archived in Surficial Mollusk Shell Accumulations in Seagrass Meadows Along the Gulf Coast of Florida. Bulletin of the Florida Museum of Natural History, 2023, 60, 86-86.	0.0	0
8	Paleofidelity: An R Package for Measuring and Visualizing Live-Dead Fidelity. Bulletin of the Florida Museum of Natural History, 2023, 60, 94-94.	0.0	0
9	Distribution and Diversity of Sediment-Dwelling Echinoids of the Central Florida Keys. Bulletin of the Florida Museum of Natural History, 2023, 60, 84-84.	0.0	0
10	Conservation Paleobiology and Taphonomy: Differential Preservation and Time-Averaging of Echinoids and Mollusks. Bulletin of the Florida Museum of Natural History, 2023, 60, 121-121.	0.0	0
11	Mollusk Response Under Ocean Acidification in Shallow Marine Settings of Sicily (Central Mediterranean). Bulletin of the Florida Museum of Natural History, 2023, 60, 113-113.	0.0	0
12	ONSHORE-OFFSHORE TRENDS IN THE TEMPORAL RESOLUTION OF MOLLUSCAN DEATH ASSEMBLAGES: HOW AGE-FREQUENCY DISTRIBUTIONS REVEAL QUATERNARY SEA-LEVEL HISTORY. Palaios, 2023, 38, 148-157.	0.9	21
13	Review: Marine conservation palaeobiology: What does the late Quaternary fossil record tell us about modern-day extinctions and biodiversity threats? — R1/PR7. , 2023, , .		0
14	Review: Marine conservation palaeobiology: What does the late Quaternary fossil record tell us about modern-day extinctions and biodiversity threats? — R1/PR8. , 2023, , .		0
15	Review: Marine conservation palaeobiology: What does the late Quaternary fossil record tell us about modern-day extinctions and biodiversity threats? — R0/PR2. , 2023, , .		0
16	Review: Marine conservation palaeobiology: What does the late Quaternary fossil record tell us about modern-day extinctions and biodiversity threats? — R0/PR3. , 2023, , .		0
17	Resilient biotic response to long-term climate change in the Adriatic Sea. Global Change Biology, 2022, 28, 4041-4053.	7.4	34
18	Long-Term Shifts in Faunal Composition of Freshwater Mollusks in Spring-Fed Rivers of Florida. Frontiers in Ecology and Evolution, 2022, 10, .	1.8	7

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19	A multiscale view of the Phanerozoic fossil record reveals the three major biotic transitions. Communications Biology, 2021, 4, .	3.1	44
20	An asynchronous Mesozoic marine revolution: the Cenozoic intensification of predation on echinoids. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, .	1.6	13
21	Variation in Seagrass-Associated Macroinvertebrate Communities Along the Gulf Coast of Peninsular Florida: An Exploration of Patterns and Ecological Consequences. Frontiers in Marine Science, 2021, 8, .	1.8	19
22	Ecological regime shift preserved in the Anthropocene stratigraphic record. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200695.	1.6	30
23	CHARACTERIZATION OF TRACES OF PREDATION AND PARASITISM ON FOSSIL ECHINOIDS. Palaios, 2020, 35, 215-227.	0.9	15
24	Long-term persistence of structured habitats: seagrass meadows as enduring hotspots of biodiversity and faunal stability. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191861.	1.6	29
25	Comment on Rojas-Bracho and Colleagues (2019): Unsubstantiated Claims Can Lead to Tragic Conservation Outcomes. BioScience, 2019, 69, 321-322.	2.7	1
26	Predation in the marine fossil record: Studies, data, recognition, environmental factors, and behavior. Earth-Science Reviews, 2019, 194, 472-520.	7.0	105
27	Seasonal oyster harvesting recorded in a Late Archaic period shell ring. PLoS ONE, 2019, 14, e0224666.	1.5	19
28	The role of habitat selection on the diversity of macrobenthic communities in three gulfs of the Cuban Archipelago. Bulletin of Marine Science, 2018, , .	0.4	6
29	PREDATION-FACILITATED PRESERVATION OF ECHINOIDS IN A TROPICAL MARINE ENVIRONMENT. Palaios, 2018, 33, 478-486.	0.9	13
30	Mollusk shell assemblages as archives of spatial structuring of benthic communities around subtropical islands. Estuarine, Coastal and Shelf Science, 2018, 215, 132-143.	1.8	16
31	Stratigraphic signatures of mass extinctions: ecological and sedimentary determinants. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181191.	1.6	27
32	One fossil record, multiple time resolutions: Disparate time-averaging of echinoids and mollusks on a Holocene carbonate platform. Geology, 2018, 46, 51-54.	3.0	50
33	Regional surveys of macrobenthic shelf invertebrate communities in Onslow Bay, North Carolina, U.S.A.. Scientific Data, 2018, 5, .	3.8	5
34	Surrogate taxa and fossils as reliable proxies of spatial biodiversity patterns in marine benthic communities. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162839.	1.6	36
35	Global biogeography of Albian ammonoids: A network-based approach. Geology, 2017, 45, 659-662.	3.0	30
36	Hierarchical complexity and the size limits of life. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171039.	1.6	46

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37	Systematic vertical and lateral changes in quality and time resolution of the macrofossil record: Insights from Holocene transgressive deposits, Po coastal plain, Italy. Marine and Petroleum Geology, 2017, 87, 128-136.	2.6	30
38	Radiocarbon-calibrated amino acid racemization ages from Holocene sand dollars (Peronella peronii). Quaternary Geochronology, 2017, 39, 174-188.	1.3	9
39	Surges in trematode prevalence linked to centennial-scale flooding events in the Adriatic. Scientific Reports, 2017, 7, .	2.7	27
40	The post-Palaeozoic fossil record of drilling predation on lingulide brachiopods. Lethaia, 2017, 50, 296-305.	0.7	10
41	Understanding modern extinctions in marine ecosystems: the role of palaeoecological data. Biology Letters, 2016, 12, 20150951.	1.5	31
42	Body Size Evolution Across the Geozoic. Annual Review of Earth and Planetary Sciences, 2016, 44, 523-553.	8.0	89
43	Growth, inter- and intraspecific variation, palaeobiogeography, taphonomy and systematics of the Cenozoic ghost shrimpGlypturus. Journal of Systematic Palaeontology, 2016, 14, 99-126.	1.5	11
44	Differential responses of marine communities to natural and anthropogenic changes. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142990.	1.6	47
45	Environmental and scale-dependent evolutionary trends in the body size of crustaceans. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150440.	1.6	22
46	The fossil record of drilling predation on barnacles. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 426, 95-111.	1.9	31
47	Use of Quartz Microtextural Analysis To Assess Possible Proglacial Deposition For the Pennsylvanian–Permian Cutler Formation (Colorado, U.S.A.). Journal of Sedimentary Research, 2015, 85, 1310-1322.	1.1	16
48	Vanishing Clams on an Iberian Beach: Local Consequences and Global Implications of Accelerating Loss of Shells to Tourism. PLoS ONE, 2014, 9, e83615.	1.5	26
49	Utility of Marine Benthic Associations as a Multivariate Proxy of Paleobathymetry: A Direct Test from Recent Coastal Ecosystems of North Carolina. PLoS ONE, 2014, 9, e95711.	1.5	23
50	Quantitative Bathymetric Models for Late Quaternary Transgressive-Regressive Cycles of the Po Plain, Italy. Journal of Geology, 2014, 122, 649-670.	0.8	37
51	The effects of limpet morphology on predation by adult cancrid crabs. Journal of Experimental Marine Biology and Ecology, 2014, 451, 9-15.	1.3	16
52	STOWING AWAY ON SHIPS THAT PASS IN THE NIGHT: SCLEROBIONT ASSEMBLAGES ON INDIVIDUALLY DATED BIVALVE AND BRACHIOPOD SHELLS FROM A SUBTROPICAL SHELF. Palaios, 2014, 29, 170-183.	0.9	21
53	PREDATION ON MODERN AND FOSSIL BRACHIOPODS: ASSESSING CHEMICAL DEFENSES AND PALATABILITY. Palaios, 2014, 28, 724-735.	0.9	26
54	Jackknife-corrected parametric bootstrap estimates of growth rates in bivalve mollusks using nearest living relatives. Theoretical Population Biology, 2013, 90, 36-48.	1.0	6

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55	The influence of reefs on the rise of Mesozoic marine crustaceans. Geology, 2013, 41, 1179-1182.	3.0	72
56	Sequence stratigraphy and the resolution of the fossil record. Geology, 2013, 41, 239-242.	3.0	89
57	DEATH AND DISINTEGRATION IN BAHAMAS: TAPHONOMIC PATTERNS AND PROCESSES IN TROPICAL ISLAND SETTINGS. Palaios, 2012, 27, 123-126.	0.9	2
58	Sub-centennial resolution amino acid geochronology for the freshwater mussel Lampsilis for the last 2000 years. Quaternary Geochronology, 2012, 9, 75-85.	1.3	4
59	Biomineralization, taphonomy, and diagenesis of Paleozoic lingulide brachiopod shells preserved in silicified mudstone concretions. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 326-328, 118-127.	1.9	30
60	Traces of predation/parasitism recorded in Eocene brachiopods from the Castle Hayne Limestone, North Carolina, USA. Lethaia, 2012, 45, 274-289.	0.7	9
61	Thermally-induced structural and chemical alteration of organic-walled microfossils: an experimental approach to understanding fossil preservation in metasediments. Geobiology, 2012, 10, 402-423.	2.1	59
62	Drilling Predation on Serpulid Polychaetes (Ditrupa arietina) from the Pliocene of the Cope Basin, Murcia Region, Southeastern Spain. PLoS ONE, 2012, 7, e34576.	1.5	25
63	A Lack of Attribution: Closing the Citation Gap Through a Reform of Citation and Indexing Practices. Taxon, 2012, 61, 1349-1351.	0.5	9
64	SEASONAL VARIATION IN ECOLOGICAL AND TAPHONOMIC PROCESSES RECORDED IN SHELLY DEATH ASSEMBLAGES. Palaios, 2012, 27, 373-385.	0.9	11
65	Quantifying the Timing and Rate of Crustal Evolution: Global Compilation of Radiometrically Dated Detrital Zircon Grains. Journal of Geology, 2011, 119, 109-126.	0.8	257
66	Spatial variation of erosion in a small, glaciated basin in the Teton Range, Wyoming, based on detrital apatite (U-Th)/He thermochronology. Basin Research, 2011, 23, 571-590.	1.9	38
67	CONFAMILIAL PREDATION IN PLIOCENE NATICID GASTROPODS FROM SOUTHERN FRANCE: UTILITY OF PREEXISTING COLLECTIONS IN QUANTITATIVE PALEOECOLOGY. Palaios, 2010, 25, 221-228.	0.9	22
68	Non-avian theropod dinosaurs from the early Late Cretaceous of central Europe. Cretaceous Research, 2010, 31, 304-320.	1.1	58
69	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. Photosynthesis Research, 2010, 107, 37-57.	2.4	122
70	Osmotrophy in modular Ediacara organisms. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14438-14443.	5.2	167
71	Two-phase increase in the maximum size of life over 3.5 billion years reflects biological innovation and environmental opportunity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 24-27.	5.2	305
72	Quantitative evaluation of the biostratigraphic distribution of acanthomorphic acritarchs in the Ediacaran Doushantuo Formation in the Yangtze Gorges area, South China. Precambrian Research, 2009, 173, 170-190.	1.8	103

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73	Bouchardia rosea, a vanishing brachiopod species of the Brazilian platform: taphonomy, historical ecology and conservation paleobiology. Historical Biology, 2009, 21, 123-137.	0.8	25
74	Distinguishing Milankovitch-Driven Processes in the Rock Record from Stochasticity Using Computer-Simulated Stratigraphy. Journal of Geology, 2009, 117, 349-361.	0.8	14
75	Taphonomy and compositional fidelity of Quaternary fossil assemblages of terrestrial gastropods from carbonate-rich environments of the Canary Islands. Lethaia, 2008, 41, 235-256.	0.7	35
76	Stable isotope (δ18O, δ13C, and δD) signatures of recent terrestrial communities from a low-latitude, oceanic setting: Endemic land snails, plants, rain, and carbonate sediments from the eastern Canary Islands. Chemical Geology, 2008, 249, 377-392.	2.5	83
77	Biotic Interaction between Spionid Polychaetes and Bouchardiid Brachiopods: Paleoecological, Taphonomic and Evolutionary Implications. Acta Palaeontologica Polonica, 2008, 53, 657-668.	0.0	40
78	The Microstructural Record of Predation: A New Approach for Identifying Predatory Drill Holes. Palaios, 2008, 23, 810-820.	0.9	22
79	QUANTITATIVE TAPHONOMY OF A TRIASSIC REPTILE TANYTRACHELOS AHYNIS FROM THE COW BRANCH FORMATION, DAN RIVER BASIN, SOLITE QUARRY, VIRGINIA. Palaios, 2007, 22, 598-611.	0.9	14
80	BODY SIZE ESTIMATES FROM THE LITERATURE: UTILITY AND POTENTIAL FOR MACROEVOLUTIONARY STUDIES. Palaios, 2007, 22, 60-73.	0.9	26
81	SEQUENCE STRATIGRAPHIC ANATOMY OF DIVERSITY PATTERNS: LATE QUATERNARY BENTHIC MOLLUSKS OF THE PO PLAIN, ITALY. Palaios, 2007, 22, 296-305.	0.9	57
82	POTENTIAL PALEOECOLOGIC BIASES FROM SIZE-FILTERING OF FOSSILS: STRATEGIES FOR SIEVING. Palaios, 2007, 22, 612-622.	0.9	21
83	Strong coupling of predation intensity and diversity in the Phanerozoic fossil record. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15006-15010.	5.2	228
84	PREDATOR-PREY INTERACTIONS: EXPERIMENTAL AND FIELD APPROACHES. Journal of Shellfish Research, 2007, 26, 217-220.	0.6	1
85	Scale and structure of time-averaging (age mixing) in terrestrial gastropod assemblages from Quaternary eolian deposits of the eastern Canary Islands. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 251, 283-299.	1.9	35
86	COMPARATIVE ANALYSIS OF DRILLING FREQUENCIES IN RECENT BRACHIOPOD-MOLLUSK ASSOCIATIONS FROM THE SOUTHERN BRAZILIAN SHELF. Palaios, 2007, 22, 143-154.	0.9	47
87	1.3 Billion years of acritarch history: An empirical morphospace approach. Precambrian Research, 2006, 144, 52-68.	1.8	141
88	The Temporal Resolution of Epibiont Assemblages: Are They Ecological Snapshots or Overexposures?. Journal of Geology, 2006, 114, 313-324.	0.8	50
89	Climatic, depositional and burial controls on diagenesis of Appalachian Carboniferous sandstones: qualitative and quantitative methods. Sedimentary Geology, 2005, 176, 225-246.	2.2	45
90	Are the most durable shelly taxa also the most common in the marine fossil record?. Paleobiology, 2005, 31, 607-623.	3.1	65

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91	Freshwater Mussel Shells as Environmental Chronicles: Geochemical and Taphonomic Signatures of Mercury-Related Extirpations in the North Fork Holston River, Virginia. Environmental Science & Technology, 2005, 39, 1455-1462.	8.5	54
92	Recent brachiopods from the southern Brazilian shelf: palaeontological and biogeographical implications. Palaeontology, 2004, 47, 515-533.	1.6	24
93	DRILL HOLES PRODUCED BY THE PREDATORY GASTROPOD NUCELLA LAMELLOSA (MURICIDAE): PALAEOBIOLOGICAL AND ECOLOGICAL IMPLICATIONS. Journal of Molluscan Studies, 2004, 70, 359-370.	0.4	88
94	Stratigraphic paleoecology: Bathymetric signatures and sequence overprint of mollusk associations from upper Quaternary sequences of the Po Plain, Italy. Geology, 2004, 32, 989.	3.0	112
95	Intense drilling in the Carboniferous brachiopod Cardiarina cordata Cooper, 1956. Lethaia, 2003, 36, 107-117.	0.7	33
96	Edge-drilling on the brachiopod Perditocardinia cf. P. dubia from the Mississippian of Missouri (USA). Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 201, 211-219.	1.9	18
97	High-Resolution Analysis of δ18O in the Biogenic Phosphate of Modern and Fossil Lingulid Brachiopods. Journal of Geology, 2003, 111, 441-453.	0.8	14
98	Average Lifetime and Age Spectra of Detrital Grains: Toward a Unifying Theory of Sedimentary Particles. Journal of Geology, 2003, 111, 427-439.	0.8	42
99	Increase in evenness and sampled alpha diversity through the Phanerozoic: Comparison of early Paleozoic and Cenozoic marine fossil assemblages. Geology, 2002, 30, 331.	3.0	88
100	Multivariate hierarchical analyses of Miocene mollusk assemblages of Europe: Paleogeographic, paleoecological, and biostratigraphic implications. Bulletin of the Geological Society of America, 2002, 114, 239-256.	1.4	48
101	Dead delta's former productivity: Two trillion shells at the mouth of the Colorado River. Geology, 2000, 28, 1059.	3.0	137
102	Dead delta's former productivity: Two trillion shells at the mouth of the Colorado River. Geology, 2000, 28, 1059-1062.	3.0	15
103	A fossil record full of holes: The Phanerozoic history of drilling predation: Comment and Reply. Geology, 1999, 27, 959.	3.0	21
104	Shell Beds as paleoecological puzzles: A case study from the Upper Permian of the Paraná Basin, Brazil. Facies, 1998, 38, 175-195.	1.4	50
105	Quantitative ichnology of triassic crayfish burrows(Camborygma eumekenomos): Ichnofossils as linkages to population paleoecology. Ichnos, 1998, 6, 5-20.	1.0	18
106	A fossil record full of holes: The Phanerozoic history of drilling predation. Geology, 1998, 26, 1091.	3.0	227
107	The Reciprocal Taphonomic Model. Lethaia, 1997, 30, 86-88.	0.7	39
108	Trace fossils and population paleoecology: comparative analysis of size-frequency distributions derived from burrows. Lethaia, 1996, 29, 113-124.	0.7	10

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109	Time-Averaging, Overcompleteness, and the Geological Record. Journal of Geology, 1996, 104, 317-326.	0.8	185
110	Improving with age: The fossil record of lingulide brachiopods and the nature of taphonomic megabiases. Geology, 1996, 24, 977.	3.0	43
111	Taphofacies analysis of recent shelly cheniers (beach ridges), northeastern baja california, Mexico. Facies, 1994, 31, 209-241.	1.4	94
112	Shell survival and time-averaging in nearshore and shelf environments: estimates from the radiocarbon literature. Lethaia, 1994, 27, 153-165.	0.7	151
113	Morphometric analysis of predatory drillholes. Palaeogeography, Palaeoclimatology, Palaeoecology, 1993, 102, 69-88.	1.9	83
114	Spatial distribution, diversity, and taphonomy of clypeasteroid and spatangoid echinoids of the central Florida Keys. PeerJ, 0, 10, e14245.	0.0	3
115	The quality of the fossil record across higher taxa: compositional fidelity of phyla and classes in benthic marine associations. PeerJ, 0, 11, e15574.	0.0	14
116	Comparison of taphonomic estimates for two common underwater sampling methodologies. Historical Biology, 0, 38, 589-597.	0.8	0
117	Quaternary intensification of spine epibiosis in the cidaroid echinoid Eucidaris: implications for anthropogenic impacts. Frontiers in Marine Science, 0, 12, .	1.8	0
118	Live-dead fidelity of ecological health indices (AMBI and M-AMBI) in benthic marine associations: a case study from coastal North Carolina, USA. Marine Ecology - Progress Series, 0, 774, 57-72.	1.5	0
119	Ecological and paleontological implications of trematode-induced morphospace inflation and pallial sinus reduction in bivalve hosts. Paleobiology, 0, 52, 265-277.	3.1	0
120	Direct estimates of crinoid lifespan based on radiocarbon dating of the modern deep-sea stalked rhizocrinid Democrinus. Bulletin of Marine Science, 0, 102, 297-316.	0.4	0