

# Adam Tomasovych

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

3,297  
citations

147726

31  
h-index

155592

55  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2741  
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	Out of the tropics, but how? Fossils, bridge species, and thermal ranges in the dynamics of the marine latitudinal diversity gradient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10487-10494.	3.3	176
3	Implications of Time-Averaged Death Assemblages for Ecology and Conservation Biology. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 539-563.	3.8	131
4	The Global Stratotype Sections and Point (GSSP) for the base of the Jurassic System at Kuhjoch (Karwendel Mountains, Northern Calcareous Alps, Tyrol, Austria). <i>Episodes</i> , 2013, 36, 162-198.	0.8	115
5	Catastrophic ocean acidification at the Triassic-Jurassic boundary. <i>Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen</i> , 2008, 249, 119-127.	0.2	102
6	The Phanerozoic $^{88}/^{86}\text{Sr}$ record of seawater: New constraints on past changes in oceanic carbonate fluxes. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 128, 249-265.	1.6	101
7	Carbon cycle perturbation and stabilization in the wake of the Triassic-Jurassic boundary mass-extinction event. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	96
8	Fidelity of variation in species composition and diversity partitioning by death assemblages: time-averaging transfers diversity from beta to alpha levels. <i>Paleobiology</i> , 2009, 35, 94-118.	1.3	92
9	Predicting the effects of increasing temporal scale on species composition, diversity, and rank-abundance distributions. <i>Paleobiology</i> , 2010, 36, 672-695.	1.3	87
10	Beyond Bergmann's rule: size-latitude relationships in marine Bivalvia world-wide. <i>Global Ecology and Biogeography</i> , 2013, 22, 173-183.	2.7	85
11	The Effects of Temporal Resolution on Species Turnover and on Testing Metacommunity Models. <i>American Naturalist</i> , 2010, 175, 587-606.	1.0	69
12	Long-term accumulation of carbonate shells reflects a 100-fold drop in loss rate. <i>Geology</i> , 2014, 42, 819-822.	2.0	60
13	Preservation of spatial and environmental gradients by death assemblages. <i>Paleobiology</i> , 2009, 35, 119-145.	1.3	56
14	Modeling shelliness and alteration in shell beds: variation in hardpart input and burial rates leads to opposing predictions. <i>Paleobiology</i> , 2006, 32, 278-298.	1.3	55
15	Nonlinear thermal gradients shape broad-scale patterns in geographic range size and can reverse Rapoport's rule. <i>Global Ecology and Biogeography</i> , 2015, 24, 157-167.	2.7	53
16	Ocean acidification during the early Toarcian extinction event: Evidence from boron isotopes in brachiopods. <i>Geology</i> , 2020, 48, 1184-1188.	2.0	51
17	Postmortem Durability and Population Dynamics Affecting the Fidelity of Brachiopod Size-Frequency Distributions. <i>Palaios</i> , 2004, 19, 477-496.	0.6	50
18	Assessing kinetic fractionation in brachiopod calcite using clumped isotopes. <i>Scientific Reports</i> , 2018, 8, 533.	1.6	47

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19	Nineteenth-century collapse of a benthic marine ecosystem on the open continental shelf. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170328.	1.2	46
20	Linking taphonomy to community-level abundance: Insights into compositional fidelity of the Upper Triassic shell concentrations (Eastern Alps). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 235, 355-381.	1.0	43
21	Accounting for the effects of biological variability and temporal autocorrelation in assessing the preservation of species abundance. <i>Paleobiology</i> , 2011, 37, 332-354.	1.3	42
22	Historical ecology of a biological invasion: the interplay of eutrophication and pollution determines time lags in establishment and detection. <i>Biological Invasions</i> , 2018, 20, 1417-1430.	1.2	42
23	Unifying latitudinal gradients in range size and richness across marine and terrestrial systems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20153027.	1.2	41
24	Oil platforms in the Persian (Arabian) Gulf: Living and death assemblages reveal no effects. <i>Continental Shelf Research</i> , 2016, 121, 21-34.	0.9	41
25	Tracing the effects of eutrophication on molluscan communities in sediment cores: outbreaks of an opportunistic species coincide with reduced bioturbation and high frequency of hypoxia in the Adriatic Sea. <i>Paleobiology</i> , 2018, 44, 575-602.	1.3	41
26	Variation in brachiopod preservation along a carbonate shelf-basin transect (Red Sea and Gulf of Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 4	0.6	37
27	Inferring skeletal production from time-averaged assemblages: skeletal loss pulls the timing of production pulses towards the modern period. <i>Paleobiology</i> , 2016, 42, 54-76.	1.3	37
28	Stratigraphic unmixing reveals repeated hypoxia events over the past 500 yr in the northern Adriatic Sea. <i>Geology</i> , 2017, 45, 363-366.	2.0	37
29	BRACHIOPOD AND BIVALVE ECOLOGY IN THE LATE TRIASSIC (ALPS, AUSTRIA): ONSHORE-OFFSHORE REPLACEMENTS CAUSED BY VARIATIONS IN SEDIMENT AND NUTRIENT SUPPLY. <i>Palaios</i> , 2006, 21, 344-368.	0.6	36
30	Responses of molluscan communities to centuries of human impact in the northern Adriatic Sea. <i>PLoS ONE</i> , 2017, 12, e0180820.	1.1	34
31	Preservation of Autochthonous Shell Beds by Positive Feedback between Increased Hardpart Input Rates and Increased Sedimentation Rates. <i>Journal of Geology</i> , 2006, 114, 287-312.	0.7	33
32	Differential taphonomy of modern brachiopods (San Juan Islands, Washington State): effect of intrinsic factors on damage and community-level abundance. <i>Lethaia</i> , 2005, 38, 271-292.	0.6	32
33	Microfacies and depositional environment of an Upper Triassic intra-platform carbonate basin: the Fatric Unit of the West Carpathians (Slovakia). <i>Facies</i> , 2004, 50, 77-105.	0.7	31
34	Evaluating compositional turnover of brachiopod communities during the end-Triassic mass extinction (Northern Calcareous Alps): Removal of dominant groups, recovery and community reassembly. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 244, 170-200.	1.0	31
35	Taphonomy and compositional fidelity of Quaternary fossil assemblages of terrestrial gastropods from carbonate-rich environments of the Canary Islands. <i>Lethaia</i> , 2008, 41, 235-256.	0.6	29
36	A decline in molluscan carbonate production driven by the loss of vegetated habitats encoded in the Holocene sedimentary record of the Gulf of Trieste. <i>Sedimentology</i> , 2019, 66, 781-807.	1.6	29

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37	Effect of Extrinsic Factors on Biofabric and Brachiopod Alteration in a Shallow Intraplatform Carbonate Setting (Upper Triassic, West Carpathians). <i>Palaios</i> , 2004, 19, 349-371.	0.6	25
38	Anthropogenically induced environmental changes in the northeastern Adriatic Sea in the last 5000 years (Panzano Bay, Gulf of Trieste). <i>Biogeosciences</i> , 2016, 13, 5965-5981.	1.3	25
39	Assessing the biomineralization processes in the shell layers of modern brachiopods from oxygen isotopic composition and elemental ratios: Implications for their use as paleoenvironmental proxies. <i>Chemical Geology</i> , 2019, 524, 49-66.	1.4	24
40	Effects of a high-risk environment on edge-drilling behavior: inference from Recent bivalves from the Red Sea. <i>Paleobiology</i> , 2014, 40, 34-49.	1.3	23
41	Ecological regime shift preserved in the Anthropocene stratigraphic record. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200695.	1.2	23
42	TAPHONOMIC CLOCK AND BATHYMETRIC DEPENDENCE OF CEPHALOPOD PRESERVATION IN BATHYAL, SEDIMENT-STARVED ENVIRONMENTS. <i>Palaios</i> , 2017, 32, 135-152.	0.6	22
43	Onshore-offshore gradient in metacommunity turnover emerges only over macroevolutionary time-scales. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141533.	1.2	21
44	Decoupling of latitudinal gradients in species and genus geographic range size: a signature of clade range expansion. <i>Global Ecology and Biogeography</i> , 2017, 26, 288-303.	2.7	21
45	Holocene ecosystem shifts and human-induced loss of <i>Arca</i> and <i>Ostrea</i> shell beds in the north-eastern Adriatic Sea. <i>Marine Pollution Bulletin</i> , 2018, 126, 19-30.	2.3	21
46	ONTOGENETIC NICHE SHIFT IN THE BRACHIOPOD <i>TEREBRATALIA TRANSVERSA</i> : RELATIONSHIP BETWEEN THE LOSS OF ROTATION ABILITY AND ALLOMETRIC GROWTH. <i>Palaeontology</i> , 2008, 51, 1471-1496.	1.0	20
47	Analyzing Variations in Cephalopod Abundances in Shell Concentrations: The Combined Effects of Production and Density-Dependent Cementation Rates. <i>Palaios</i> , 2008, 23, 648-666.	0.6	20
48	Millennial Scale Age Offsets Within Fossil Assemblages: Result of Bioturbation Below the Taphonomic Active Zone and Out of Phase Production. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 954-977.	1.3	20
49	TRACING ORIGIN AND COLLAPSE OF HOLOCENE BENTHIC BASELINE COMMUNITIES IN THE NORTHERN ADRIATIC SEA. <i>Palaios</i> , 2019, 34, 121-145.	0.6	19
50	Radiocarbon dating supports bivalve-fish age coupling along a bathymetric gradient in high-resolution paleoenvironmental studies. <i>Geology</i> , 2020, 48, 589-593.	2.0	17
51	Inferring time averaging and hiatus durations in the stratigraphic record of high-frequency depositional sequences. <i>Sedimentology</i> , 2022, 69, 1083-1118.	1.6	17
52	How effective are ecological traits against drilling predation? Insights from recent bivalve assemblages of the northern Red Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 440, 659-670.	1.0	15
53	Detecting, sourcing, and age-dating dredged sediments on the open shelf, southern California, using dead mollusk shells. <i>Marine Pollution Bulletin</i> , 2017, 114, 448-465.	2.3	15
54	Cathodoluminescence of Late Triassic terebratulid brachiopods: implications for growth patterns. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 216, 215-233.	1.0	14

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55	Thick brachiopod shell concentrations from prodelta and siliciclastic ramp in a Tortonian Atlanticâ€‘Mediterranean strait (Miocene, Guadix Basin, southern Spain). <i>Facies</i> , 2012, 58, 549-571.	0.7	14
56	20th century increase in body size of a hypoxia-tolerant bivalve documented by sediment cores from the northern Adriatic Sea (Gulf of Trieste). <i>Marine Pollution Bulletin</i> , 2018, 135, 361-375.	2.3	14
57	Gauging benthic recovery from 20th century pollution on the southern California continental shelf using bivalves from sediment cores. <i>Marine Ecology - Progress Series</i> , 2019, 615, 101-119.	0.9	14
58	A NEW EARLY JURASSIC RHYNCHONELLID BRACHIOPOD FROM THE WESTERN TETHYS AND IMPLICATIONS FOR SYSTEMATICS OF RHYNCHONELLIDS FROM THE TRIASSICâ€‘JURASSIC BOUNDARY. <i>Journal of Paleontology</i> , 2006, 80, 212-228.	0.5	12
59	Trace-fossil assemblages with a new ichnogenus in â€‘spottedâ€™. <i>Geologica Carpathica</i> , 2013, 64, 355-374.	0.2	12
60	Fossil evidence for vampire squid inhabiting oxygen-depleted ocean zones since at least the Oligocene. <i>Communications Biology</i> , 2021, 4, 216.	2.0	11
61	Substrate exploitation and resistance to biotic disturbance in the brachiopod <i>Terebratalia transversa</i> and the bivalve <i>Pododesmus macrochisma</i> . <i>Marine Ecology - Progress Series</i> , 2008, 363, 157-170.	0.9	11
62	Early and Middle Callovian ammonites from the Pieniny Klippen Belt (Western Carpathians) in hiatal successions: unique biostratigraphic evidence from sediment-filled fissure deposits. <i>Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen</i> , 2009, 252, 55-79.	0.2	10
63	Taxonomic sufficiency in a liveâ€‘dead agreement study in a tropical setting. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 449, 341-348.	1.0	10
64	Molluscan benthic communities at Brijuni Islands (northern Adriatic Sea) shaped by Holocene sea-level rise and recent human eutrophication and pollution. <i>Holocene</i> , 2018, 28, 1801-1817.	0.9	10
65	Basin-wide infaunalisation of benthic soft-bottom communities driven by anthropogenic habitat degradation in the northern Adriatic Sea. <i>Marine Ecology - Progress Series</i> , 2021, 671, 45-65.	0.9	10
66	Lithium elemental and isotope systematics of modern and cultured brachiopods: Implications for seawater evolution. <i>Chemical Geology</i> , 2021, 586, 120566.	1.4	9
67	Temporal and bathymetric resolution of nautiloid death assemblages in stratigraphically condensed oozes (New Caledonia). <i>Terra Nova</i> , 2016, 28, 271-278.	0.9	8
68	Assessing anoxia, recovery and carbonate production setback in a hemipelagic Tethyan basin during the Toarcian Oceanic Anoxic Event (Western Carpathians). <i>Global and Planetary Change</i> , 2020, 195, 103366.	1.6	8
69	Non-condensed shell beds in hiatal successions: instantaneous cementation associated with nutrient-rich bottom currents and high bivalve production. <i>Italian Journal of Geosciences</i> , 2020, 139, 76-97.	0.4	7
70	Detecting strong spatial and temporal variation in macrobenthic composition on an urban shelf using taxonomic surrogates. <i>Marine Ecology - Progress Series</i> , 2022, 682, 13-30.	0.9	6
71	Pyrite-lined shells as indicators of inefficient bioirrigation in the Holoceneâ€‘Anthropocene stratigraphic record. <i>Biogeosciences</i> , 2021, 18, 5929-5965.	1.3	6
72	Taxonomic and numerical sufficiency in depth- and salinity-controlled marine paleocommunities. <i>Paleobiology</i> , 2017, 43, 463-478.	1.3	5

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73	Revisiting the Age of Jurassic Coral Bioherms in the Pieniny Klippen Belt (Western Carpathians) on the Basis of Benthic Foraminifers. <i>Geologica Carpathica</i> , 2019, 70, 113-134.	0.2	4
74	Origin of the tropicalâ€“polar biodiversity contrast. <i>Global Ecology and Biogeography</i> , 2022, 31, 1207-1227.	2.7	4
75	Contamination patterns and molluscan and polychaete assemblages in two Persian (Arabian) Gulf oilfields. <i>Marine Ecology</i> , 2016, 37, 907-919.	0.4	3
76	The unique preservation of <i>Sepia</i> soft tissues in the Miocene deposits (Serravalian, Vienna Basin): Implications for the origin of microbodies in the fossil record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 493, 111-118.	1.0	3
77	Tempestitic shell beds formed by a new serpulid polychaete from the Bajocian (Middle Jurassic) of the Central High Atlas (Morocco). <i>Palaontologische Zeitschrift</i> , 2018, 92, 219-240.	0.8	3
78	Mapping intrashell variation in Mg/Ca of brachiopods to external growth lines: Mg enrichment corresponds to seasonal growth slowdown. <i>Chemical Geology</i> , 2022, 593, 120758.	1.4	3
79	Biodiversity gradients emerge. <i>Nature Ecology and Evolution</i> , 2019, 3, 1376-1377.	3.4	2
80	The evolution of thecideide microstructures and textures: traced from Triassic to Holocene. <i>Lethaia</i> , 2021, 54, 558.	0.6	2
81	Deepâ€“water cirripedes colonizing dead shells of the cephalopod <i>Nautilus macromphalus</i> from New Caledonian waters. <i>Integrative Zoology</i> , 2019, 14, 561-575.	1.3	1
82	Scale dependence of drilling predation in the Holocene of the northern Adriatic Sea across benthic habitats and nutrient regimes. <i>Paleobiology</i> , 2022, 48, 462-479.	1.3	1