

Maria Mangano

List of Publications by Year in descending order

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64
papers

2,788
citations

186209

28
h-index

223716

46
g-index

66
all docs

66
docs citations

66
times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	The interplay of environmental constraints and bioturbation on matground development along the marine depositional profile during the Ordovician Radiation. <i>Geobiology</i> , 2022, 20, 233-270.	1.1	8
2	Contrasting Early Ordovician assembly patterns highlight the complex initial stages of the Ordovician Radiation. <i>Scientific Reports</i> , 2022, 12, 3852.	1.6	13
3	The Psammichnites-Taphrohelminthopsis conundrum: Implications for Calibrating the Cambrian explosion. <i>Earth-Science Reviews</i> , 2022, 227, 103971.	4.0	5
4	Potential and problems in evaluating secular changes in the diversity of animal-substrate interactions at ichnospecies rank. <i>Terra Nova</i> , 2022, 34, 433-440.	0.9	17
5	The Invasion of the Land in Deep Time: Integrating Paleozoic Records of Paleobiology, Ichnology, Sedimentology, and Geomorphology. <i>Integrative and Comparative Biology</i> , 2022, 62, 297-331.	0.9	14
6	Ichnofacies. , 2021, , 511-519.		0
7	Cambrian Explosion. , 2021, , 583-602.		0
8	Paleoecologic and paleoenvironmental implications of a new trace fossil recording infaunal molting in Devonian marginal-marine settings. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 561, 110043.	1.0	4
9	Were all trilobites fully marine? Trilobite expansion into brackish water during the early Palaeozoic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202263.	1.2	15
10	A novel tool to untangle the ecology and fossil preservation knot in exceptionally preserved biotas. <i>Earth and Planetary Science Letters</i> , 2021, 569, 117061.	1.8	15
11	Sedimentary facies of a tide-dominated estuary and deltaic complex in a tropical setting: The middle Miocene Oficina Formation of the Orinoco Oil Belt, Venezuela. <i>Journal of South American Earth Sciences</i> , 2021, 112, 103515.	0.6	2
12	Bioturbation in matgrounds at Lake Bogoria in the Kenya Rift Valley: implications for interpreting the heterogeneous early Cambrian seafloor. <i>Lethaia</i> , 2020, 53, 62-71.	0.6	8
13	The rise and early evolution of animals: where do we stand from a trace-fossil perspective?. <i>Interface Focus</i> , 2020, 10, 20190103.	1.5	40
14	Quantifying ecospace utilization and ecosystem engineering during the early Phanerozoic—The role of bioturbation and bioerosion. <i>Science Advances</i> , 2020, 6, eabb0618.	4.7	47
15	Trace fossil evidence for infaunal moulting in a Middle Devonian non-trilobite euarthropod. <i>Scientific Reports</i> , 2020, 10, 5316.	1.6	4
16	Ichnology of the Winnipeg Formation, southeast Saskatchewan: a glimpse into the marine infaunal ecology of the Great Ordovician Biodiversification Event. <i>Lethaia</i> , 2019, 52, 14-30.	0.6	0
17	Unravelling Phanerozoic evolution of radial to rosette trace fossils. <i>Lethaia</i> , 2019, 52, 350-369.	0.6	12
18	Trace fossils associated with Burgess Shale non-biomineralized carapaces: bringing taphonomic and ecological controls into focus. <i>Royal Society Open Science</i> , 2019, 6, 172074.	1.1	14

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19	A protracted Ediacaran–Cambrian transition: an ichnologic ecospace analysis of the Fortunian in Newfoundland, Canada. <i>Geological Magazine</i> , 2019, 156, 1623-1630.	0.9	16
20	Ediacaran biozones identified with network analysis provide evidence for pulsed extinctions of early complex life. <i>Nature Communications</i> , 2019, 10, 911.	5.8	74
21	The search for an elusive worm in the tropics, the past as a key to the present, and reverse uniformitarianism. <i>Scientific Reports</i> , 2019, 9, 18402.	1.6	10
22	Ichnology and depositional environments of the Upper Ordovician Stony Mountain Formation in the Williston Basin, Canada: Refining ichnofacies and ichnofabric models for Epeiric Sea carbonates. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 501, 13-29.	1.0	11
23	Gyrolithes from the Ediacaran-Cambrian boundary section in Fortune Head, Newfoundland, Canada: Exploring the onset of complex burrowing. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 495, 171-185.	1.0	21
24	Sediment disturbance by Ediacaran bulldozers and the roots of the Cambrian explosion. <i>Scientific Reports</i> , 2018, 8, 4514.	1.6	33
25	Early Cambrian origin of the shelf sediment mixed layer. <i>Nature Communications</i> , 2018, 9, 1909.	5.8	46
26	The other biodiversity record: Innovations in animal-substrate interactions through geologic time. <i>GSA Today</i> , 2018, , 4-10.	1.1	29
27	The impact of deep-tier burrow systems in sediment mixing and ecosystem engineering in early Cambrian carbonate settings. <i>Scientific Reports</i> , 2017, 7, 45773.	1.6	24
28	Early bursts of diversification defined the faunal colonization of land. <i>Nature Ecology and Evolution</i> , 2017, 1, .	3.4	50
29	From freshwater to fully marine: Exploring animal-substrate interactions along a salinity gradient (Miocene Oficina Formation of Venezuela). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 482, 30-47.	1.0	12
30	Ichnologic evidence of a Cambrian age in the southern Amazon Craton: Implications for the onset of the Western Gondwana history. <i>Journal of South American Earth Sciences</i> , 2017, 76, 482-488.	0.6	16
31	Discriminating ecological and evolutionary controls during the Ediacaran–Cambrian transition: Trace fossils from the Soltanieh Formation of northern Iran. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 476, 15-27.	1.0	29
32	Ichnostratigraphy of the Ediacaran-Cambrian boundary: new insights on lower Cambrian biozonations from the Soltanieh Formation of northern Iran. <i>Journal of Paleontology</i> , 2017, 91, 1178-1198.	0.5	27
33	Early Triassic estuarine depauperate Cruziana Ichnofacies from the Sichuan area of South China and its implications for the biotic recovery in brackish-water settings after the end-Permian mass extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 351-360.	1.0	15
34	The Cambrian revolutions: Trace-fossil record, timing, links and geobiological impact. <i>Earth-Science Reviews</i> , 2017, 173, 96-108.	4.0	82
35	Categories of architectural designs in trace fossils: A measure of ichnodisparity. <i>Earth-Science Reviews</i> , 2017, 164, 102-181.	4.0	145
36	<i>Rosselia socialis</i> from the Ordovician of Asturias (Northern Spain) and the Early Evolution of Equilibrium Behavior in Polychaetes. <i>Ichnos</i> , 2016, 23, 147-155.	0.8	16

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37	Lepeichnus giberti igen. nov. isp. nov. from the upper Miocene of Lepe (Huelva, SW Spain): Evidence for its origin and development with proposal of a new concept, ichnogeny. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 452, 80-89.	1.0	16
38	Living On the Edge: Evaluating the Impact of Stress Factors On Animal-Sediment Interactions In Subenvironments of A Shelf-Margin Delta, the Mayaro Formation, Trinidad. Journal of Sedimentary Research, 2016, 86, 1034-1066.	0.8	40
39	The Conceptual and Methodological Tools of Ichnology. Topics in Geobiology, 2016, , 1-26.	0.6	20
40	Ediacaran Ecosystems and the Dawn of Animals. Topics in Geobiology, 2016, , 27-72.	0.6	30
41	The Cambrian Explosion. Topics in Geobiology, 2016, , 73-126.	0.6	37
42	The Great Ordovician Biodiversification Event. Topics in Geobiology, 2016, , 127-156.	0.6	62
43	Ediacaran matground ecology persisted into the earliest Cambrian. Nature Communications, 2014, 5, 3544.	5.8	111
44	The ichnogenus <i>Tubotomaculum</i> : an enigmatic pellet-filled structure from Upper Cretaceous to Miocene deep-marine deposits of southern Spain. Journal of Paleontology, 2014, 88, 1189-1198.	0.5	13
45	Decoupling of body-plan diversification and ecological structuring during the Ediacaran-Cambrian transition: evolutionary and geobiological feedbacks. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140038.	1.2	165
46	Environmental variability of Macaronichnus ichnofabrics in Eocene tidal-embayment deposits of southern Patagonia, Argentina. Lethaia, 2013, 46, 341-354.	0.6	17
47	Global deglaciation and the re-appearance of microbial matground-dominated ecosystems in the late Proterozoic of Gondwana. Geobiology, 2013, 11, 307-317.	1.1	29
48	Ichnodiversity and ichnodisparity: significance and caveats. Lethaia, 2013, 46, 281-292.	0.6	69
49	Skimming the surface with Burgess Shale arthropod locomotion. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1613-1620.	1.2	19
50	An early Cambrian shallow-marine ichnofauna from the Puncoviscana Formation of northwest Argentina: the interplay between sophisticated feeding behaviors, matgrounds and sea-level changes. Journal of Paleontology, 2012, 86, 7-18.	0.5	42
51	Nonbiomineralized carapaces in Cambrian seafloor landscapes (Sirius Passet, Greenland): Opening a new window into early Phanerozoic benthic ecology. Geology, 2012, 40, 519-522.	2.0	42
52	Sedimentological-ichnological model for tide-dominated shelf sandbodies: Lower Cambrian Gog Group of western Canada. Sedimentology, 2012, 59, 1452-1477.	1.6	46
53	The dÅvu effect: Recurrent patterns in exploitation of ecospace, establishment of the mixed layer, and distribution of matgrounds. Geology, 2011, 39, 1163-1166.	2.0	44
54	<i>Skolithos</i> pipe rock and associated ichnofabrics from the southern Rocky Mountains, Canada: colonization trends and environmental controls in an early Cambrian sand-sheet complex. Lethaia, 2010, 43, 507-528.	0.6	74

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55	Is the trace fossil <i>Macaronichnus</i> an indicator of temperate to cold waters? Exploring the paradox of its occurrence in tropical coasts. <i>Geology</i> , 2010, 38, 651-654.	2.0	42
56	A new Burgess Shale-type assemblage from the <i>Æthin</i> Stephen Formation of the southern Canadian Rockies. <i>Geology</i> , 2010, 38, 811-814.	2.0	73
57	Ichnology and sedimentology of a tide-influenced delta, Lower Miocene Chenque Formation, Patagonia, Argentina: Trace-fossil distribution and response to environmental stresses. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 273, 75-86.	1.0	83
58	The changing face of the deep: Colonization of the Early Ordovician deep-sea floor, Puna, northwest Argentina. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 280, 291-299.	1.0	45
59	Bivalve trace fossils in an early Miocene discontinuity surface in Patagonia, Argentina: Burrowing behavior and implications for ichnotaxonomy at the firmground-hardground divide. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 255, 329-341.	1.0	36
60	Trace fossils in the Ediacaran-Cambrian transition: Behavioral diversification, ecological turnover and environmental shift. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 227, 323-356.	1.0	227
61	34. The Ichnologic Record of the Ordovician Radiation. , 2004, , 369-379.		35
62	Carboniferous <i>Psammichnites</i> : Systematic Re-Evaluation, Taphonomy and Autecology. <i>Ichnos</i> , 2003, 9, 1-22.	0.8	59
63	<i>Tonganoxichnus</i> a new insect trace from the Upper Carboniferous of eastern Kansas. <i>Lethaia</i> , 1997, 30, 113-125.	0.6	39
64	Biofilm harvesters in coastal settings of the early Palaeozoic. <i>Lethaia</i> , 0, , .	0.6	0