Luis A Buatois

List of Publications by Year
in descending order

145 papers	5,390 citations	87888 38 h-index	123424 61 g-index
150 all docs	150 docs citations	150 times ranked	2144 citing authors

#	Article	IF	Citations
1	Trace fossils in the Ediacaranâ€“Cambrian transition: Behavioral diversification, ecological turnover and environmental shift. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 227, 323-356.	2.3	227
2	Decoupling of body-plan diversification and ecological structuring during the Ediacaranâ€“Cambrian transition: evolutionary and geobiological feedbacks. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140038.	2.6	165
3	The Ichnologic Record of the Continental Invertebrate Invasion: Evolutionary Trends in Environmental Expansion, Ecospace Utilization, and Behavioral Complexity. Palaios, 1998, 13, 217.	1.3	153
4	Categories of architectural designs in trace fossils: A measure of ichnodisparity. Earth-Science Reviews, 2017, 164, 102-181.	9.1	145
5	Ichnology of an Upper Carboniferous fluvio-estuarine paleovalley: The Tonganoxie Sandstone, Buildex Quarry, Eastern Kansas, USA. Journal of Paleontology, 1998, 72, 152-180.	0.8	137
6	Trace fossils from a carboniferous turbiditic lake: Implications for the recognition of additional nonmarine ichnofacies. Ichnos, 1993, 2, 237-258.	0.5	115
7	Trace fossil analysis of lacustrine facies and basins. Palaeogeography, Palaeoclimatology, Palaeoecology, 1998, 140, 367-382.	2.3	112
8	Ediacaran matground ecology persisted into the earliest Cambrian. Nature Communications, 2014, 5, 3544.	12.8	111
9	The Paradox of Nonmarine Ichnofaunas in Tidal Rhythmites: Integrating Sedimentologic and Ichnologic Data from the Late Carboniferous of Eastern Kansas, USA. Palaios, 1997, 12, 467.	1.3	106
10	Trace fossils from Carboniferous floodplain deposits in western Argentina: implications for ichnofacies models of continental environments. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 183, 71-86.	2.3	101
11	Ichnology and sedimentology of a tide-influenced delta, Lower Miocene Chenque Formation, Patagonia, Argentina: Trace-fossil distribution and response to environmental stresses. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 273, 75-86.	2.3	83
12	Sedimentological and ichnological signatures of changes in wave, river and tidal influence along a Neogene tropical deltaic shoreline. Sedimentology, 2012, 59, 1568-1612.	3.1	83
13	The Cambrian revolutions: Trace-fossil record, timing, links and geobiological impact. Earth-Science Reviews, 2017, 173, 96-108.	9.1	82
14	Sequence stratigraphic and sedimentologic significance of biogenic structures from a late Paleozoic marginal- to open-marine reservoir, Morrow Sandstone, subsurface of southwest Kansas, USA. Sedimentary Geology, 2002, 152, 99-132.	2.1	80
15	Ichnotaxobases for bioerosion trace fossils in bones. Journal of Paleontology, 2014, 88, 195-203.	0.8	78
16	Decoupled evolution of soft and hard substrate communities during the Cambrian Explosion and Great Ordovician Biodiversification Event. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6945-6948.	7.1	77
17	Sedimentary facies, depositional evolution of the Upper Cambrianâ€“Lower Ordovician Santa Rosita formation in northwest Argentina. Journal of South American Earth Sciences, 2003, 16, 343-363.	1.4	76
18	Animal-substrate interactions in freshwater environments: applications of ichnology in facies and sequence stratigraphic analysis of fluvio-lacustrine successions. Geological Society Special Publication, 2004, 228, 311-333.	1.3	76

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19	Skolithos 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.	1.4	74
20	Ediacaran biozones identified with network analysis provide evidence for pulsed extinctions of early complex life. Nature Communications, 2019, 10, 911.	12.8	74
21	Ichnodiversity and ichnodisparity: significance and caveats. Lethaia, 2013, 46, 281-292.	1.4	69
22	Contrasting Behavioral and Feeding Strategies Recorded by Tidal-Flat Bivalve Trace Fossils from the Upper Carboniferous of Eastern Kansas. Palaios, 1998, 13, 335.	1.3	67
23	The Great Ordovician Biodiversification Event. Topics in Geobiology, 2016, , 127-156.	0.5	62
24	Trace fossils and sedimentary facies from a Late Cambrianâ€Early Ordovician tideâ€dominated shelf (Santa) Tj ETQq0 0 0 rgBT /Overlock successions. Ichnos, 1996, 5, 53-88.	0.5	58
25	Ichnology of Carboniferous tide-influenced environments and tidal flat variability in the North American Midcontinent. Geological Society Special Publication, 2004, 228, 157-178.	1.3	58
26	Applications of ichnology in lacustrine sequence stratigraphy: Potential and limitations. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 272, 127-142.	2.3	52
27	Early bursts of diversification defined the faunal colonization of land. Nature Ecology and Evolution, 2017, 1, .	7.8	50
28	Sedimentary facies and environmental ichnology of a ?Permian playa-lake complex in western Argentina. Palaeogeography, Palaeoclimatology, Palaeoecology, 1998, 138, 221-243.	2.3	47
29	Environmental tolerance and range offset of Treptichnus pedum: Implications for the recognition of the Ediacaran-Cambrian boundary. Geology, 2013, 41, 519-522.	4.4	47
30	Quantifying ecospace utilization and ecosystem engineering during the early Phanerozoicâ€"The role of bioturbation and bioerosion. Science Advances, 2020, 6, eabb0618.	10.3	47
31	Biogenic structures in exhumed surfaces around saline lakes: An example from Lake Bogoria, Kenya Rift Valley. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 272, 176-198.	2.3	46
32	Sedimentologicalâ€“ichnological model for tideâ€dominated shelf sandbodies: Lower Cambrian Gog Group of western Canada. Sedimentology, 2012, 59, 1452-1477.	3.1	46
33	Early Cambrian origin of the shelf sediment mixed layer. Nature Communications, 2018, 9, 1909.	12.8	46
34	The changing face of the deep: Colonization of the Early Ordovician deep-sea floor, Puna, northwest Argentina. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 280, 291-299.	2.3	45
35	Tidal Flats and Subtidal Sand Bodies. Developments in Sedimentology, 2012, , 529-561.	0.5	45
36	The dÃ©jÃ vu effect: Recurrent patterns in exploitation of ecospace, establishment of the mixed layer, and distribution of matgrounds. Geology, 2011, 39, 1163-1166.	4.4	44

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37	The trace fossil record of the Nama Group, Namibia: Exploring the terminal Ediacaran roots of the Cambrian explosion. Earth-Science Reviews, 2021, 212, 103435.	9.1	43
38	Is the trace fossil Macaronichnus an indicator of temperate to cold waters? Exploring the paradox of its occurrence in tropical coasts. Geology, 2010, 38, 651-654.	4.4	42
39	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.	0.8	42
40	Large burrow systems in marine Miocene deposits of the Betic Cordillera (Southeast Spain). Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 268, 19-25.	2.3	40
41	Exploring the aftermath of the Cambrian explosion: The evolutionary significance of marginal- to shallow-marine ichnofaunas of Jordan. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 374, 1-15.	2.3	40
42	Living On the Edge: Evaluating the Impact of Stress Factors On Animalâ€“Sediment Interactions In Subenvironments of A Shelf-Margin Delta, the Mayaro Formation, Trinidad. Journal of Sedimentary Research, 2016, 86, 1034-1066.	1.6	40
43	The rise and early evolution of animals: where do we stand from a trace-fossil perspective?. Interface Focus, 2020, 10, 20190103.	3.0	40
44	Tonganoxichnus a new insect trace from the Upper Carboniferous of eastern Kansas. Lethaia, 1997, 30, 113-125.	1.4	39
45	Comments on the paper â€œReconnaissance of Upper Jurassic Morrison Formation ichnofossils, Rocky Mountain Region, USA: Paleoenvironmental, stratigraphic, and paleoclimatic significance of terrestrial and freshwater ichnocoenosesâ€• by Stephen T. Hasiotis. Sedimentary Geology, 2007, 200, 141-150.	2.1	38
46	The origin and paleoecologic significance of the trace fossil Asteriacites in the Pennsylvanian of Kansas and Missouri. Lethaia, 1999, 32, 17-30.	1.4	38
47	Integrating depositional models, ichnology, and sequence stratigraphy in reservoir characterization: The middle member of the Devonianâ€“Carboniferous Bakken Formation of subsurface southeastern Saskatchewan revisited. AAPG Bulletin, 2012, 96, 1017-1043.	1.5	38
48	The Cambrian Explosion. Topics in Geobiology, 2016, , 73-126.	0.5	37
49	Bivalve trace fossils in an early Miocene discontinuity surface in Patagonia, Argentina: Burrowing behavior and implications for ichnotaxonomy at the firmgroundâ€“hardground divide. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 255, 329-341.	2.3	36
50	A diverse deepâ€•marine Ichnofauna from the Eocene Tarcau sandstone of the Eastern Carpathians, Romania. Ichnos, 2001, 8, 23-62.	0.5	35
51	A NEW ICHNOSPECIES OFNEREITESFROM CARBONIFEROUS TIDAL-FLAT FACIES OF EASTERN KANSAS, USA: IMPLICATIONS FOR THENEREITESâ€“NEONEREITESDEBATE. Journal of Paleontology, 2000, 74, 149-157.	0.8	34
52	Ichnology of a Late Devonianâ€“Early Carboniferous low-energy seaway: The Bakken Formation of subsurface Saskatchewan, Canada: Assessing paleoenvironmental controls and biotic responses. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 315-316, 46-60.	2.3	34
53	Treptichnus pedum and the Ediacaranâ€“Cambrian boundary: significance and caveats. Geological Magazine, 2018, 155, 174-180.	1.5	34
54	The ichnology of a submarine braided channel complex: the Whisky Bay Formation, Cretaceous of James Ross Island, Antarctica. Palaeogeography, Palaeoclimatology, Palaeoecology, 1992, 94, 119-140.	2.3	33

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55	Sediment disturbance by Ediacaran bulldozers and the roots of the Cambrian explosion. Scientific Reports, 2018, 8, 4514.	3.3	33
56	Unusual trilobite biofacies from the Lower Ordovician of the Argentine Cordillera Oriental: new insights into olenid palaeoecology. Lethaia, 2011, 44, 58-75.	1.4	32
57	The Ediacaranâ€“Cambrian boundary: Evaluating stratigraphic completeness and the Great Unconformity. Precambrian Research, 2020, 345, 105721.	2.7	31
58	Ediacaran Ecosystems and the Dawn of Animals. Topics in Geobiology, 2016, , 27-72.	0.5	30
59	The ichnogenus Curvolithus revisited. Journal of Paleontology, 1998, 72, 758-769.	0.8	29
60	Ichnology, sedimentology, and sequence stratigraphy of outer-estuarine and coastal-plain deposits: Implications for the distinction between allogenic and autogenic expressions of the Glossifungites Ichnofacies. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 333-334, 192-217.	2.3	29
61	Discriminating ecological and evolutionary controls during the Ediacaranâ€“Cambrian transition: Trace fossils from the Soltanieh Formation of northern Iran. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 476, 15-27.	2.3	29
62	The other biodiversity record: Innovations in animal-substrate interactions through geologic time. GSA Today, 2018, , 4-10.	2.0	29
63	The Mesozoic Marine Revolution. Topics in Geobiology, 2016, , 19-134.	0.5	28
64	Sinusichnus,a trace fossil from Antarctica and Venezuela: expanding the dataset of crustacean burrows. Lethaia, 2009, 42, 511-518.	1.4	27
65	Ichnostratigraphy of the Ediacaran-Cambrian boundary: new insights on lower Cambrian biozonations from the Soltanieh Formation of northern Iran. Journal of Paleontology, 2017, 91, 1178-1198.	0.8	27
66	The Establishment of Continental Ecosystems. Topics in Geobiology, 2016, , 205-324.	0.5	27
67	Ichnofauna from coastal meandering channel systems (Upper Cretaceous Tremp Formation,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 90, 250-268.	0.8	26
68	The insect trace fossilTonganoxichnusfrom the middle Pennsylvanian of Indiana: Paleobiologic and paleoenvironmental implications. Ichnos, 2001, 8, 165-175.	0.5	25
69	Ichnology of prodeltaic hyperpycniteâ€“turbidite channel complexes and lobes from the Upper Cretaceous Prairie Canyon Member of the Mancos Shale, Book Cliffs, Utah, <scp>USA</scp>. Sedimentology, 2019, 66, 1825-1860.	3.1	25
70	The impact of deep-tier burrow systems in sediment mixing and ecosystem engineering in early Cambrian carbonate settings. Scientific Reports, 2017, 7, 45773.	3.3	24
71	The Mesozoic Lacustrine Revolution. Topics in Geobiology, 2016, , 179-263.	0.5	24
72	Ichnology of the Late Carboniferous Hoyada Verde Formation of western Argentina: Exploring postglacial shallow-marine ecosystems of Gondwana. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 369, 228-238.	2.3	22

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73	Trace fossils, sedimentary facies and parasequence architecture from the Lower Cretaceous Mulichinco Formation of Argentina: The role of fair-weather waves in shoreface deposits. Sedimentary Geology, 2018, 367, 146-163.	2.1	22
74	Fluvio-tidal transition zone: Terminology, sedimentological and ichnological characteristics, and significance. Earth-Science Reviews, 2019, 192, 214-235.	9.1	22
75	Lacustrine Environments. Developments in Sedimentology, 2012, 64, 379-417.	0.5	21
76	Gyrolithes from the Ediacaran-Cambrian boundary section in Fortune Head, Newfoundland, Canada: Exploring the onset of complex burrowing. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 495, 171-185.	2.3	21
77	Trace fossils as proxy for biotic recovery after the end-Permian mass extinction: A critical review. Earth-Science Reviews, 2020, 203, 103059.	9.1	20
78	The Conceptual and Methodological Tools of Ichnology. Topics in Geobiology, 2016, , 1-26.	0.5	20
79	A New Decapod Trackway from the Upper Cretaceous, James Ross Island, Antarctica. Palaeontology, 2004, 47, 01-12.	2.2	19
80	Substrate-controlled ichnofacies along a marine sequence boundary: The Intra-Valanginian Discontinuity in central NeuquÃ©n Basin (Argentina). Sedimentary Geology, 2012, 277-278, 72-87.	2.1	19
81	Trilobites in early Cambrian tidal flats and the landward expansion of the Cambrian explosion. Geology, 2014, 42, 143-146.	4.4	19
82	Spiral-shaped graphoglyptids from an Early Permian intertidal flat. Geology, 2006, 34, 1057.	4.4	18
83	Taphonomy and paleoecology of the bivalve trace fossilProtovirgulariain deltaic heterolithic facies of the Miocene Chenque Formation, Patagonia, Argentina. Journal of Paleontology, 2010, 84, 730-738.	0.8	18
84	Ichnology of a subaqueously prograding clastic wedge, late Pliocene Morne L'Enfer Formation, Fullarton, Trinidad: Implications for recognition of autogenic erosional surfaces and delineation of stress factors on irregular echinoids. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 459, 365-380.	2.3	18
85	Sedimentology, ichnology, and sequence stratigraphy of the Miocene Oficina Formation, JunÃn and BoyacÃ¡ areas, Orinoco Oil Belt, Eastern Venezuela Basin. Marine and Petroleum Geology, 2018, 92, 213-233.	3.3	18
86	Uppermost Permian trace fossils along a shelf to slope transect in South China and their implications for oceanic redox evolution and extinction pattern. Global and Planetary Change, 2018, 167, 74-86.	3.5	18
87	Tectonic controls on late Cambrian-Early Ordovician deposition in Cordillera oriental (Northwest) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	18
88	Ichnology, sequence stratigraphy and depositional evolution of an Upper Cretaceous rocky shoreline in central Chile: Bioerosion structures in a transgressed metamorphic basement. Cretaceous Research, 2011, 32, 203-212.	1.4	17
89	Environmental variability of Macaronichnus ichnofabrics in Eocene tidal-embayment deposits of southern Patagonia, Argentina. Lethaia, 2013, 46, 341-354.	1.4	17
90	Early Triassic trace fossils from South China marginal-marine settings: Implications for biotic recovery following the end-Permian mass extinction. Bulletin of the Geological Society of America, 2019, 131, 235-251.	3.3	17

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91	What global biogeochemical consequences will marine animalâ€“sediment interactions have during climate change?. Elementa, 2021, 9, .	3.2	17
92	Potential and problems in evaluating secular changes in the diversity of animalâ€substrate interactions at ichnospecies rank. Terra Nova, 2022, 34, 433-440.	2.1	17
93	Rosselia socialisfrom the Ordovician of Asturias (Northern Spain) and the Early Evolution of Equilibrium Behavior in Polychaetes. Ichnos, 2016, 23, 147-155.	0.5	16
94	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.	2.3	16
95	A protracted Ediacaranâ€“Cambrian transition: an ichnologic ecospace analysis of the Fortunian in Newfoundland, Canada. Geological Magazine, 2019, 156, 1623-1630.	1.5	16
96	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. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 485, 351-360.	2.3	15
97	Animal bioturbation preserved in Pleistocene magadiite at Lake Magadi, Kenya Rift Valley, and its implications for the depositional environment of bedded magadiite. Scientific Reports, 2020, 10, 6794.	3.3	15
98	Were all trilobites fully marine? Trilobite expansion into brackish water during the early Palaeozoic. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202263.	2.6	15
99	A novel tool to untangle the ecology and fossil preservation knot in exceptionally preserved biotas. Earth and Planetary Science Letters, 2021, 569, 117061.	4.4	15
100	The Trace-Fossil Record of Organismâ€“Matground Interactions in Space and Time. , 2012, , 15-28.		15
101	Palaeoenvironmental and functional interpretation of Rhizocorallium jenense spinosus (ichnosubsp.) Tj ETQq1 1 0.784314 rgBT /Over Palaeoecology, 2012, 339-341, 114-120.	2.3	14
102	Chapter 5 Testing for palaeogeographical patterns in the distribution of Cambrian trace fossils. Geological Society Memoir, 2013, 38, 45-58.	1.7	14
103	The Invasion of the Land in Deep Time: Integrating Paleozoic Records of Paleobiology, Ichnology, Sedimentology, and Geomorphology. Integrative and Comparative Biology, 2022, 62, 297-331.	2.0	14
104	PARADICTYODORA ANTARCTICA: A NEW COMPLEX VERTICAL SPREITE TRACE FOSSIL FROM THE UPPER CRETACEOUS-PALEOGENE OF ANTARCTICA AND TIERRA DEL FUEGO, ARGENTINA. Journal of Paleontology, 2004, 78, 783-789.	0.8	13
105	The ichnogenus Tubotomaculum: an enigmatic pellet-filled structure from Upper Cretaceous to Miocene deep-marine deposits of southern Spain. Journal of Paleontology, 2014, 88, 1189-1198.	0.8	13
106	The Chengjiang Biota inhabited a deltaic environment. Nature Communications, 2022, 13, 1569.	12.8	13
107	Contrasting Early Ordovician assembly patterns highlight the complex initial stages of the Ordovician Radiation. Scientific Reports, 2022, 12, 3852.	3.3	13
108	From freshwater to fully marine: Exploring animal-substrate interactions along a salinity gradient (Miocene Oficina Formation of Venezuela). Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 482, 30-47.	2.3	12

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109	Bottomset and foreset sedimentary processes in the mixed carbonate-siliciclastic Upper Jurassic-Lower Cretaceous Vaca Muerta Formation, PicÃºn LeufÃº Area, Argentina. Sedimentary Geology, 2019, 389, 161-185.	2.1	12
110	Unravelling Phanerozoic evolution of radial to rosette trace fossils. Lethaia, 2019, 52, 350-369.	1.4	12
111	Bioeroded Dinosaur Bones: Novel Signatures of Necrophagous Activity in a Cretaceous Continental Environment. Ichnos, 2016, 23, 340-348.	0.5	11
112	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. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 501, 13-29.	2.3	11
113	Ichnology and depositional environments of the Upper Cretaceous Dinosaur Park â€“ Bearpaw formation transition in the Cypress Hills region of Southwestern Saskatchewan, Canada. Cretaceous Research, 2019, 98, 189-210.	1.4	11
114	Onshore expansion of benthic communities after the Late Devonian mass extinction. Lethaia, 2013, 46, 251-261.	1.4	10
115	The search for an elusive worm in the tropics, the past as a key to the present, and reverse uniformitarianism. Scientific Reports, 2019, 9, 18402.	3.3	10
116	Recurrent Patterns and Processes: The Significance of Ichnology in Evolutionary Paleoecology. Topics in Geobiology, 2016, , 449-473.	0.5	10
117	Compound biogenic structures resulting from ontogenetic variation: An example from a modern dipteran. Spanish Journal of Paleontology, 2020, 29, 83.	0.1	10
118	An unusual occurrence of the trace fossil Vagorichnus preserved in hydrothermal silica at Lake Baringo, Kenya Rift Valley: Taphonomic and paleoenvironmental significance. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 485, 843-853.	2.3	9
119	Infaunal response during the end-Permian mass extinction. Bulletin of the Geological Society of America, 2021, 133, 91-99.	3.3	9
120	Taphonomy and paleoecology of the bivalve trace fossil Protovirgularia in deltaic heterolithic facies of the Miocene Chenque Formation, Patagonia, Argentina. Journal of Paleontology, 2010, 84, 730-738.	0.8	8
121	Bioturbation in matgrounds at Lake Bogoria in the Kenya Rift Valley: implications for interpreting the heterogeneous early Cambrian seafloor. Lethaia, 2020, 53, 62-71.	1.4	8
122	The interplay of environmental constraints and bioturbation on matground development along the marine depositional profile during the Ordovician Radiation. Geobiology, 2022, 20, 233-270.	2.4	8
123	Organic-rich, fine-grained contourites in an epicontinental basin: The Upper Jurassic-Lower Cretaceous Vaca Muerta Formation, Argentina. Marine and Petroleum Geology, 2022, 142, 105757.	3.3	8
124	Periodic fluctuations of marine oxygen content during the latest Permian. Global and Planetary Change, 2020, 195, 103326.	3.5	7
125	Flume experiments reveal flows in the Burgess Shale can sample and transport organisms across substantial distances. Communications Earth & Environment, 2021, 2, .	6.8	7
126	The armored burrowNummipera eocenicafrom the upper Eocene San Jacinto Formation, Colombia: morphology and paleoenvironmental implications. Ichnos, 2020, 27, 81-91.	0.5	6

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127	Sedimentological and ichnological analyses of the continental to marginal-marine Centenario Formation (Cretaceous), NeuquÃ©n Basin, Argentina: Reservoir implications. Marine and Petroleum Geology, 2020, 119, 104471.	3.3	6
128	Microbialites and trace fossils from a Middle Triassic restricted carbonate ramp in the Catalan Basin, Spain: evaluating environmental and evolutionary controls in an epicontinental setting. Lethaia, 2021, 54, 4-25.	1.4	6
129	Paleoenvironmental setting and description of an estuarine oyster reef in the Eocene of Patagonia, southern Argentina. Journal of South American Earth Sciences, 2014, 56, 242-250.	1.4	5
130	Gyrophyllites cristinae isp. nov. from Lower Ordovician Shallow-Marine Deposits of Northwest Argentina. Ichnos, 2019, 26, 243-255.	0.5	5
131	Modern and Ancient Animal Traces in the Extreme Environments of Lake Magadi and Nasikie Engida, Kenya Rift Valley. Syntheses in Limnogeology, 2021, , 19-66.	0.4	5
132	The Psammichnites-Taphrhelminthopsis conundrum: Implications for Calibrating the Cambrian explosion. Earth-Science Reviews, 2022, 227, 103971.	9.1	5
133	Trace fossil evidence for infaunal moulting in a Middle Devonian non-trilobite euarthropod. Scientific Reports, 2020, 10, 5316.	3.3	4
134	Paleoecologic and paleoenvironmental implications of a new trace fossil recording infaunal molting in Devonian marginal-marine settings. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 561, 110043.	2.3	4
135	Depositional environments and controls on the stratigraphic architecture of the Cenomanian Buda Limestone in west Texas, U.S.A.. Marine and Petroleum Geology, 2021, 133, 105275.	3.3	4
136	Sedimentology and stratigraphy of the Cenomanian Buda Limestone in central Texas, U.S.A.: Implications on regional and global depositional controls. Cretaceous Research, 2022, 137, 105231.	1.4	4
137	Impact of Permian mass extinctions on continental invertebrate infauna. Terra Nova, 2021, 33, 455-464.	2.1	2
138	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. Journal of South American Earth Sciences, 2021, 112, 103515.	1.4	2
139	Lacustrine bioturbation and ichnofacies: An introduction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 272, 125-126.	2.3	1
140	IchnoDB: structure and importance of an ichnology database. Ichnos, 2021, 28, 1-11.	0.5	1
141	Paleoenvironmental significance of trace fossils from mixed tide- and river-influenced marginal-marine settings, Cretaceous U and M2 Sandstone members, Napo Formation, Oriente Basin of Ecuador. Journal of South American Earth Sciences, 2021, 110, 103326.	1.4	1
142	Ichnology of the Winnipeg Formation, southeast Saskatchewan: a glimpse into the marine infaunal ecology of the Great Ordovician Biodiversification Event. Lethaia, 2019, 52, 14-30.	1.4	0
143	Ichnofacies. , 2021, , 511-519.		0
144	Cambrian Explosion. , 2021, , 583-602.		0

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145	Biofilm harvesters in coastal settings of the early Palaeozoic. Lethaia, 0, , .	1.4	0