Marc Laflamme

List of Publications by Year
in descending order

56 papers	3,789 citations	218677 26 h-index	168389 53 g-index
56 all docs	56 docs citations	56 times ranked	2200 citing authors

#	Article	IF	Citations
1	The Cambrian Conundrum: Early Divergence and Later Ecological Success in the Early History of Animals. Science, 2011, 334, 1091-1097.	12.6	1,055
2	On the eve of animal radiation: phylogeny, ecology and evolution of the Ediacara biota. Trends in Ecology and Evolution, 2009, 24, 31-40.	8.7	403
3	The end of the Ediacara biota: Extinction, biotic replacement, or Cheshire Cat?. Gondwana Research, 2013, 23, 558-573.	6.0	220
4	Towards an Ediacaran Time Scale: Problems, Protocols, and Prospects. Episodes, 2016, 39, 540-555.	1.2	157
5	Ediacaran Extinction and Cambrian Explosion. Trends in Ecology and Evolution, 2018, 33, 653-663.	8.7	152
6	Osmotrophy in modular Ediacara organisms. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14438-14443.	7.1	133
7	Exceptionally preserved fossil assemblages through geologic time and space. Gondwana Research, 2017, 48, 164-188.	6.0	112
8	Biotic replacement and mass extinction of the Ediacara biota. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151003.	2.6	103
9	Microbial biofilms and the preservation of the Ediacara biota. Lethaia, 2011, 44, 203-213.	1.4	102
10	Secular changes in sedimentation systems and sequence stratigraphy. Gondwana Research, 2013, 24, 468-489.	6.0	99
11	MORPHOMETRIC ANALYSIS OF THE EDIACARAN FROND CHARNIODISCUS FROM THE MISTAKEN POINT FORMATION, NEWFOUNDLAND. Journal of Paleontology, 2004, 78, 827-837.	0.8	95
12	Reconstructing a lost world: Ediacaran rangeomorphs from Spaniard's Bay, Newfoundland. Journal of Paleontology, 2009, 83, 503-523.	0.8	92
13	The Latest Ediacaran Wormworld Fauna: Setting the Ecological Stage for the Cambrian Explosion. GSA Today, 2016, , 4-11.	2.0	92
14	Ediacaran fronds. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 258, 162-179.	2.3	91
15	Ediacaran distributions in space and time: testing assemblage concepts of earliest macroscopic body fossils. Paleobiology, 2016, 42, 574-594.	2.0	84
16	Deep-Water Ediacaran Fossils from Northwestern Canada: Taphonomy, Ecology, and Evolution. Journal of Paleontology, 2014, 88, 207-223.	0.8	75
17	Population structure of the oldest known macroscopic communities from Mistaken Point, Newfoundland. Paleobiology, 2013, 39, 591-608.	2.0	71
18	Canopy Flow Analysis Reveals the Advantage of Size in the Oldest Communities of Multicellular Eukaryotes. Current Biology, 2014, 24, 305-309.	3.9	62

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19	Suspension feeding in the enigmatic Ediacaran organism Tribrachidium demonstrates complexity of Neoproterozoic ecosystems. Science Advances, 2015, 1, e1500800.	10.3	53
20	A mixed Ediacaran-metazoan assemblage from the Zaris Sub-basin, Namibia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 459, 198-208.	2.3	52
21	Ecological tiering and the evolution of a stem: the oldest stemmed frond from the Ediacaran of Newfoundland, Canada. Journal of Paleontology, 2012, 86, 193-200.	0.8	43
22	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
23	Relating Ediacaran Fronds. Paleobiology, 2017, 43, 171-180.	2.0	37
24	Increase in metazoan ecosystem engineering prior to the Ediacaranâ€“Cambrian boundary in the Nama Group, Namibia. Royal Society Open Science, 2019, 6, 190548.	2.4	37
25	Reading and Writing of the Fossil Record: Preservational Pathways to Exceptional Fossilization. The Paleontological Society Papers, 2014, 20, x-xii.	0.6	36
26	High ecological complexity in benthic Ediacaran communities. Nature Ecology and Evolution, 2018, 2, 1541-1547.	7.8	35
27	Gregarious suspension feeding in a modular Ediacaran organism. Science Advances, 2019, 5, eaaw0260.	10.3	31
28	Deconstructing an Ediacaran frond: three-dimensional preservation of Arborea from Ediacara, South Australia. Journal of Paleontology, 2018, 92, 323-335.	0.8	27
29	Competition in a Precambrian world: palaeoecology of Ediacaran fronds. Geology Today, 2008, 24, 182-187.	0.9	24
30	Diverse Assemblage of Ediacaran fossils from Central Iran. Scientific Reports, 2018, 8, 5060.	3.3	24
31	New multicellular marine macroalgae from the early Tonian of northwestern Canada. Geology, 2021, 49, 743-747.	4.4	22
32	Early (Series 2) Cambrian archaeocyathan reefs of southern Labrador as a locus for skeletal carbonate production. Lethaia, 2012, 45, 401-410.	1.4	19
33	Ancient life and moving fluids. Biological Reviews, 2021, 96, 129-152.	10.4	16
34	Ediacaran diversity and paleoecology from central Iran. Journal of Paleontology, 2021, 95, 236-251.	0.8	11
35	Paleoenvironmental analysis of Ernietta-bearing Ediacaran deposits in southern Namibia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 556, 109884.	2.3	10
36	TAPHONOMIC VARIANCE BETWEEN MARATTIALEAN FERNS AND MEDULLOSAN SEED FERNS IN THE CARBONIFEROUS MAZON CREEK LAGERSTÃ„TTE, ILLINOIS, USA. Palaios, 2016, 31, 97-110.	1.3	7

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37	Phylogenetic relationships among the Rangeomorpha: the importance of outgroup selection and implications for their diversification. Canadian Journal of Earth Sciences, 2018, 55, 1223-1239.	1.3	7
38	Paleontology and ichnology of the late Ediacaran Nasepâ€“Huns transition (Nama Group, southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	7
39	The Importance of Size and Location Within Gregarious Populations of Ernietta plateauensis. Frontiers in Earth Science, 2021, 9, .	1.8	6
40	The rise of bilaterians: a reply. Historical Biology, 2009, 21, 239-246.	1.4	5
41	Wringing out the oldest sponges. Nature Geoscience, 2010, 3, 597-598.	12.9	5
42	Lithostratigraphy and sedimentary environment of the Precambrian Kushk Series of central Iran. Canadian Journal of Earth Sciences, 2018, 55, 1284-1296.	1.3	5
43	In situfilamentous communities from the Ediacaran (approx. 563 Ma) of Brazil. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202618.	2.6	4
44	Preservation of early Tonian macroalgal fossils from the Dolores Creek Formation, Yukon. Scientific Reports, 2022, 12, 6222.	3.3	4
45	The rise of bilaterians: a few closing comments. Historical Biology, 2010, 22, 433-436.	1.4	3
46	The life and times of Pteridinium simplex. Paleobiology, 2022, 48, 527-556.	2.0	3
47	Modeling morphological diversity in the oldest large multicellular organisms. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12962-12963.	7.1	2
48	Palaeobiology: Ecological Revelations in Ediacaran Reproduction. Current Biology, 2015, 25, R1047-R1050.	3.9	2
49	A large onychodontiform (Osteichthyes: Sarcopterygii) apex predator from the Eifelian-aged Dundee Formation of Ontario, Canada. Canadian Journal of Earth Sciences, 2017, 54, 233-241.	1.3	2
50	Fuzzy ecospace modelling. Methods in Ecology and Evolution, 2018, 9, 1442-1452.	5.2	2
51	Teaching Research Best Practices through Early Career Experiential Learning. Journal of Chemical Education, 2019, 96, 1891-1898.	2.3	2
52	International Symposium on the Ediacaranâ€“Cambrian Transition (ISECT) 2017. Episodes, 2018, 41, 129-133.	1.2	2
53	Field workshop on the Ediacaran Nama Group of southern Namibia. Episodes, 2017, 40, 259-261.	1.2	2
54	An abundance- and morphology-based similarity index. Paleobiology, 0, , 1-18.	2.0	1

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55	Isotopic and Mineralogical Insights on the Formation of Mazon Creek LagerstÃtten Siderite Concretions. The Paleontological Society Special Publications, 2014, 13, 142-142.	0.0	0
56	Geobiology of the Ediacaranâ€“Cambrian Transition: ISECT 2017. Canadian Journal of Earth Sciences, 2018, 55, v-vi.	1.3	0