

Maria E Mcnamara

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,267
citations

331259

21
h-index

377514

34
g-index

45
all docs

45
docs citations

45
times ranked

1062
citing authors

#	ARTICLE	IF	CITATIONS
1	A Jurassic ornithischian dinosaur from Siberia with both feathers and scales. <i>Science</i> , 2014, 345, 451-455.	6.0	116
2	Exceptionally preserved fossil assemblages through geologic time and space. <i>Gondwana Research</i> , 2017, 48, 164-188.	3.0	112
3	Experimental maturation of feathers: implications for reconstructions of fossil feather colour. <i>Biology Letters</i> , 2013, 9, 20130184.	1.0	71
4	Pterosaur integumentary structures with complex feather-like branching. <i>Nature Ecology and Evolution</i> , 2019, 3, 24-30.	3.4	67
5	SOFT-TISSUE PRESERVATION IN MIOCENE FROGS FROM LIBROS, SPAIN: INSIGHTS INTO THE GENESIS OF DECAY MICROENVIRONMENTS. <i>Palaios</i> , 2009, 24, 104-117.	0.6	64
6	Decoding the Evolution of Melanin in Vertebrates. <i>Trends in Ecology and Evolution</i> , 2021, 36, 430-443.	4.2	58
7	The original colours of fossil beetles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1114-1121.	1.2	54
8	Fossilization of melanosomes via sulfurization. <i>Palaeontology</i> , 2016, 59, 337-350.	1.0	52
9	High-fidelity organic preservation of bone marrow in ca. 10 Ma amphibians. <i>Geology</i> , 2006, 34, 641.	2.0	48
10	The Early Origin of Feathers. <i>Trends in Ecology and Evolution</i> , 2019, 34, 856-869.	4.2	47
11	Fossilized Biophotonic Nanostructures Reveal the Original Colors of 47-Million-Year-Old Moths. <i>PLoS Biology</i> , 2011, 9, e1001200.	2.6	47
12	Experimental analysis of soft-tissue fossilization: opening the black box. <i>Palaeontology</i> , 2018, 61, 317-323.	1.0	45
13	The taphonomy of colour in fossil insects and feathers. <i>Palaeontology</i> , 2013, 56, 557-575.	1.0	40
14	What big eyes you have: the ecological role of giant pterygotid eurypterids. <i>Biology Letters</i> , 2014, 10, 20140412.	1.0	34
15	Tissue-specific geometry and chemistry of modern and fossilized melanosomes reveal internal anatomy of extinct vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17880-17889.	3.3	32
16	Organic preservation of fossil musculature with ultracellular detail. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 423-427.	1.2	29
17	WHAT CONTROLS THE TAPHONOMY OF EXCEPTIONALLY PRESERVED TAXA-ENVIRONMENT OR BIOLOGY? A CASE STUDY USING FROGS FROM THE MIOCENE LIBROS KONSERVAT-LAGERSTATTE (TERUEL, SPAIN). <i>Palaios</i> , 2012, 27, 63-77.	0.6	28
18	Reconstructing Carotenoid-Based and Structural Coloration in Fossil Skin. <i>Current Biology</i> , 2016, 26, 1075-1082.	1.8	28

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19	Fossil scales illuminate the early evolution of lepidopterans and structural colors. <i>Science Advances</i> , 2018, 4, e1700988.	4.7	26
20	The fossil record of insect color illuminated by maturation experiments. <i>Geology</i> , 2013, 41, 487-490.	2.0	22
21	Non-integumentary melanosomes can bias reconstructions of the colours of fossil vertebrates. <i>Nature Communications</i> , 2018, 9, 2878.	5.8	22
22	Taphonomic experiments resolve controls on the preservation of melanosomes and keratinous tissues in feathers. <i>Palaeontology</i> , 2020, 63, 103-115.	1.0	22
23	Exceptionally preserved tadpoles from the Miocene of Libros, Spain: ecomorphological reconstruction and the impact of ontogeny upon taphonomy. <i>Lethaia</i> , 2009, 43, 290.	0.6	21
24	THE CONTROLS ON THE PRESERVATION OF STRUCTURAL COLOR IN FOSSIL INSECTS. <i>Palaios</i> , 2012, 27, 443-454.	0.6	21
25	Fossilized skin reveals coevolution with feathers and metabolism in feathered dinosaurs and early birds. <i>Nature Communications</i> , 2018, 9, 2072.	5.8	20
26	Cryptic iridescence in a fossil weevil generated by single diamond photonic crystals. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140736.	1.5	16
27	Synchrotron X-ray absorption spectroscopy of melanosomes in vertebrates and cephalopods: implications for the affinity of <i>Tullimonstrum</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191649.	1.2	16
28	Pterosaur melanosomes support signalling functions for early feathers. <i>Nature</i> , 2022, 604, 684-688.	13.7	15
29	The Chinese Pompeii? Death and destruction of dinosaurs in the Early Cretaceous of Lujiatun, NE China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 427, 89-99.	1.0	14
30	“Stick” peel: Explaining unusual patterns of disarticulation and loss of completeness in fossil vertebrates. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 457, 380-388.	1.0	11
31	Biological controls upon the physical taphonomy of exceptionally preserved salamanders from the Miocene of Rubielos de Mora, northeast Spain. <i>Lethaia</i> , 2012, 45, 210-226.	0.6	9
32	Hierarchical biota-level and taxonomic controls on the chemistry of fossil melanosomes revealed using synchrotron X-ray fluorescence. <i>Scientific Reports</i> , 2020, 10, 8970.	1.6	9
33	Response to Comment on “A Jurassic ornithischian dinosaur from Siberia with both feathers and scales”. <i>Science</i> , 2014, 346, 434-434.	6.0	6
34	Experimental degradation of helicoidal photonic nanostructures in scarab beetles (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180560.	1.5	6
35	Integumentary Structures in <i>Kulindadromeus zabaikalicus</i> , a Basal Neornithischian Dinosaur from the Jurassic of Siberia. <i>Fascinating Life Sciences</i> , 2020, , 47-65.	0.5	6
36	Palaeoenvironmental reconstruction and biostratigraphic analysis of the Jurassic Yanliao Lagerstätte in northeastern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 514, 739-753.	1.0	5

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37	The skeletal taphonomy of anurans from the Eocene Geiseltal Konservat-Lagerstätte, Germany: insights into the controls on fossil anuran preservation. <i>Papers in Palaeontology</i> , 2022, 8, .	0.7	5
38	Brilliant angle-independent structural colours preserved in weevil scales from the Swiss Pleistocene. <i>Biology Letters</i> , 2020, 16, 20200063.	1.0	4
39	Reply to: No protofeathers on pterosaurs. <i>Nature Ecology and Evolution</i> , 2020, 4, 1592-1593.	3.4	4
40	Experimental investigation of insect deposition in lentic environments and implications for formation of Konservat Lagerstätten. <i>Palaeontology</i> , 2020, 63, 565-578.	1.0	3
41	Allometric analysis sheds light on the systematics and ontogeny of anurognathid pterosaurs. <i>Journal of Vertebrate Paleontology</i> , 0, , .	0.4	3
42	Skin patterning and internal anatomy in a fossil moonfish from the Eocene Bolca Lagerstätte illuminate the ecology of ancient reef fish communities. <i>Palaeontology</i> , 2022, 65, .	1.0	3
43	Synchrotron x-ray fluorescence analysis reveals diagenetic alteration of fossil melanosome trace metal chemistry. <i>Palaeontology</i> , 2021, 64, 63-73.	1.0	2
44	Correction to "What big eyes you have: the ecological role of giant pterygotid eurypterids". <i>Biology Letters</i> , 2020, 16, 20200753.	1.0	0