Maria E Mcnamara

List of Publications by Year
in descending order

44 papers	1,267 citations	331670 21 h-index	377865 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. Science, 2014, 345, 451-455.	12.6	116
2	Exceptionally preserved fossil assemblages through geologic time and space. Gondwana Research, 2017, 48, 164-188.	6.0	112
3	Experimental maturation of feathers: implications for reconstructions of fossil feather colour. Biology Letters, 2013, 9, 20130184.	2.3	71
4	Pterosaur integumentary structures with complex feather-like branching. Nature Ecology and Evolution, 2019, 3, 24-30.	7.8	67
5	SOFT-TISSUE PRESERVATION IN MIOCENE FROGS FROM LIBROS, SPAIN: INSIGHTS INTO THE GENESIS OF DECAY MICROENVIRONMENTS. Palaios, 2009, 24, 104-117.	1.3	64
6	Decoding the Evolution of Melanin in Vertebrates. Trends in Ecology and Evolution, 2021, 36, 430-443.	8.7	58
7	The original colours of fossil beetles. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1114-1121.	2.6	54
8	Fossilization of melanosomes via sulfurization. Palaeontology, 2016, 59, 337-350.	2.2	52
9	High-fidelity organic preservation of bone marrow in ca. 10 Ma amphibians. Geology, 2006, 34, 641.	4.4	48
10	The Early Origin of Feathers. Trends in Ecology and Evolution, 2019, 34, 856-869.	8.7	47
11	Fossilized Biophotonic Nanostructures Reveal the Original Colors of 47-Million-Year-Old Moths. PLoS Biology, 2011, 9, e1001200.	5.6	47
12	Experimental analysis of softâ€tissue fossilization: opening the black box. Palaeontology, 2018, 61, 317-323.	2.2	45
13	The taphonomy of colour in fossil insects and feathers. Palaeontology, 2013, 56, 557-575.	2.2	40
14	What big eyes you have: the ecological role of giant pterygotid eurypterids. Biology Letters, 2014, 10, 20140412.	2.3	34
15	Tissue-specific geometry and chemistry of modern and fossilized melanosomes reveal internal anatomy of extinct vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17880-17889.	7.1	32
16	Organic preservation of fossil musculature with ultracellular detail. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 423-427.	2.6	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). Palaios, 2012, 27, 63-77.	1.3	28
18	Reconstructing Carotenoid-Based and Structural Coloration in Fossil Skin. Current Biology, 2016, 26, 1075-1082.	3.9	28

#	Article	IF	Citations
19	Fossil scales illuminate the early evolution of lepidopterans and structural colors. Science Advances, 2018, 4, e1700988.	10.3	26
20	The fossil record of insect color illuminated by maturation experiments. Geology, 2013, 41, 487-490.	4.4	22
21	Non-integumentary melanosomes can bias reconstructions of the colours of fossil vertebrates. Nature Communications, 2018, 9, 2878.	12.8	22
22	Taphonomic experiments resolve controls on the preservation of melanosomes and keratinous tissues in feathers. Palaeontology, 2020, 63, 103-115.	2.2	22
23	Exceptionally preserved tadpoles from the Miocene of Libros, Spain: ecomorphological reconstruction and the impact of ontogeny upon taphonomy. Lethaia, 2009, 43, 290.	1.4	21
24	THE CONTROLS ON THE PRESERVATION OF STRUCTURAL COLOR IN FOSSIL INSECTS. Palaios, 2012, 27, 443-454.	1.3	21
25	Fossilized skin reveals coevolution with feathers and metabolism in feathered dinosaurs and early birds. Nature Communications, 2018, 9, 2072.	12.8	20
26	Cryptic iridescence in a fossil weevil generated by single diamond photonic crystals. Journal of the Royal Society Interface, 2014, 11, 20140736.	3.4	16
27	Synchrotron X-ray absorption spectroscopy of melanosomes in vertebrates and cephalopods: implications for the affinity of Tullimonstrum. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191649.	2.6	16
28	Pterosaur melanosomes support signalling functions for early feathers. Nature, 2022, 604, 684-688.	27.8	15
29	The Chinese Pompeii? Death and destruction of dinosaurs in the Early Cretaceous of Lujiatun, NE China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 427, 89-99.	2.3	14
30	â€œStick â€˜nâ€™ peelâ€• Explaining unusual patterns of disarticulation and loss of completeness in fossil vertebrates. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 457, 380-388.	2.3	11
31	Biological controls upon the physical taphonomy of exceptionally preserved salamanders from the Miocene of Rubielos de Mora, northeast Spain. Lethaia, 2012, 45, 210-226.	1.4	9
32	Hierarchical biota-level and taxonomic controls on the chemistry of fossil melanosomes revealed using synchrotron X-ray fluorescence. Scientific Reports, 2020, 10, 8970.	3.3	9
33	Response to Comment on â€œA Jurassic ornithischian dinosaur from Siberia with both feathers and scalesâ€• Science, 2014, 346, 434-434.	12.6	6
34	Experimental degradation of helicoidal photonic nanostructures in scarab beetles (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 Journal of the Royal Society Interface, 2018, 15, 20180560.	3.4	6
35	Integumentary Structures in Kulindadromeus zabaikalicus, a Basal Neornithischian Dinosaur from the Jurassic of Siberia. Fascinating Life Sciences, 2020, , 47-65.	0.9	6
36	Palaeoenvironmental reconstruction and biostratinomic analysis of the Jurassic Yanliao LagerstÃtte in northeastern China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 514, 739-753.	2.3	5

#	Article	IF	Citations
37	The skeletal taphonomy of anurans from the Eocene Geiseltal Konservatâ€LagerstÃtte, Germany: insights into the controls on fossil anuran preservation. Papers in Palaeontology, 2022, 8, .	1.5	5
38	Brilliant angle-independent structural colours preserved in weevil scales from the Swiss Pleistocene. Biology Letters, 2020, 16, 20200063.	2.3	4
39	Reply to: No protofeathers on pterosaurs. Nature Ecology and Evolution, 2020, 4, 1592-1593.	7.8	4
40	Experimental investigation of insect deposition in lentic environments andÂimplications for formation of Konservat LagerstÄtten. Palaeontology, 2020, 63, 565-578.	2.2	3
41	Allometric analysis sheds light on the systematics and ontogeny of anurognathid pterosaurs. Journal of Vertebrate Paleontology, 0, , .	1.0	3
42	Skin patterning and internal anatomy in a fossil moonfish from the Eocene Bolca LagerstÃtte illuminate the ecology of ancient reef fish communities. Palaeontology, 2022, 65, .	2.2	3
43	Synchrotron xâ€ray fluorescence analysis reveals diagenetic alteration of fossil melanosome trace metal chemistry. Palaeontology, 2021, 64, 63-73.	2.2	2
44	Correction to â€˜What big eyes you have: the ecological role of giant pterygotid eurypteridsâ€™. Biology Letters, 2020, 16, 20200753.	2.3	0