Stephen McLoughlin

List of Publications by Year
in descending order

103	4,504	94381 37	114418 63
papers	citations	h-index	g-index

109	109	109	3314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The breakup history of Gondwana and its impact on pre-Cenozoic floristic provincialism. Australian Journal of Botany, 2001, 49, 271.	0.3	628
2	Parallel evolution of angiosperm colour signals: common evolutionary pressures linked to hymenopteran vision. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3606-3615.	1.2	181
3	Age and pattern of the southern high-latitude continental end-Permian extinction constrained by multiproxy analysis. Nature Communications, 2019, 10, 385.	5.8	165
4	Gondwanan floristic and sedimentological trends during the Permianâ€“Triassic transition: new evidence from the Amery Group, northern Prince Charles Mountains, East Antarctica. Antarctic Science, 1997, 9, 281-298.	0.5	136
5	Fungal Proliferation at the Cretaceous-Tertiary Boundary. Science, 2004, 303, 1489-1489.	6.0	128
6	Synchronous palynofloristic extinction and recovery after the end-Permian event in the Prince Charles Mountains, Antarctica: Implications for palynofloristic turnover across Gondwana. Review of Palaeobotany and Palynology, 2007, 145, 89-122.	0.8	114
7	Fossilized Nuclei and Chromosomes Reveal 180 Million Years of Genomic Stasis in Royal Ferns. Science, 2014, 343, 1376-1377.	6.0	113
8	End-Permian (252 Mya) deforestation, wildfires and floodingâ€”An ancient biotic crisis with lessons for the present. Earth and Planetary Science Letters, 2020, 529, 115875.	1.8	108
9	Australian Jurassic sedimentary and fossil successions: current work and future prospects for marine and non-marine correlation. Gff, 2009, 131, 49-70.	0.4	105
10	Tectonic significance of the Lambert graben, East Antarctica: Reconstructing the Gondwanan rift. Geology, 2005, 33, 197.	2.0	96
11	Some Morphological Features of Wollemi Pine (Wollemia nobilis: Araucariaceae) and Their Comparison to Cretaceous Plant Fossils. International Journal of Plant Sciences, 1998, 159, 160-171.	0.6	91
12	Extinction and recovery patterns of the vegetation across the Cretaceousâ€“Palaeogene boundary â€” a tool for unravelling the causes of the end-Permian mass-extinction. Review of Palaeobotany and Palynology, 2007, 144, 99-112.	0.8	91
13	Nothofagus Biogeography Revisited with Special Emphasis on the Enigmatic Distribution of Subgenus Brassospora in New Caledonia. Cladistics, 2001, 17, 28-47.	1.5	89
14	A high-latitude Gondwanan lagerstÃtte: The Permian permineralised peat biota of the Prince Charles Mountains, Antarctica. Gondwana Research, 2015, 27, 1446-1473.	3.0	81
15	Biogeography of Nothofagus supports the sequence of Gondwana breakâ€up. Taxon, 2001, 50, 1025-1041.	0.4	79
16	Intraspecific Variation of Taeniate Bisaccate Pollen Within Permian Glossopterid Sporangia, from the Prince Charles Mountains, Antarctica. International Journal of Plant Sciences, 1997, 158, 673-684.	0.6	74
17	Bennettitalean foliage in the Rhaetianâ€“Bajocian (latest Triassicâ€“Middle Jurassic) floras of Scania, southern Sweden. Review of Palaeobotany and Palynology, 2009, 158, 117-166.	0.8	72
18	Which name(s) should be used for Araucariaâ€like fossil wood?â€”Results of a poll. Taxon, 2014, 63, 177-184.	0.4	69

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19	Refined Permianâ€“Triassic floristic timeline reveals early collapse and delayed recovery of south polar terrestrial ecosystems. Bulletin of the Geological Society of America, 2020, 132, 1489-1513.	1.6	66
20	Seed ferns survived the endâ€Cretaceous mass extinction in Tasmania. American Journal of Botany, 2008, 95, 465-471.	0.8	64
21	Trichomes on the leaves of Anomozamites villosus sp. nov. (Bennettitales) from the Daohugou beds (Middle Jurassic), Inner Mongolia, China: Mechanical defence against herbivorous arthropods. Review of Palaeobotany and Palynology, 2012, 169, 48-60.	0.8	63
22	Animalâ€“plant interactions in a Middle Permian permineralised peat of the Bainmedart Coal Measures, Prince Charles Mountains, Antarctica. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 363-364, 109-126.	1.0	62
23	New records of leaf galls and arthropod oviposition scars in Permian - Triassic Gondwanan gymnosperms. Australian Journal of Botany, 2011, 59, 156.	0.3	59
24	Revised stratigraphy of the Permian Bainmedart Coal Measures, northern Prince Charles Mountains, East Antarctica. Geological Magazine, 1997, 134, 335-353.	0.9	56
25	Using More Than the Oldest Fossils: Dating Osmundaceae with Three Bayesian Clock Approaches. Systematic Biology, 2015, 64, 396-405.	2.7	56
26	Cheirolepidiacean foliage and pollen from Cretaceous high-latitudes of southeastern Australia. Gondwana Research, 2015, 27, 960-977.	3.0	55
27	Some Permian glossopterid fructifications and leaves from the Bowen Basin, Queensland, Australia. Review of Palaeobotany and Palynology, 1990, 62, 11-40.	0.8	52
28	A new Maastrichtian-PaleoceneAzollaspecies from of Bolivia, with a comparison of the global record of coevalAzollamicrofossils. Alcheringa, 2005, 29, 305-329.	0.5	52
29	An Early Jurassic flora from the Clarence-Moreton Basin, Australia. Review of Palaeobotany and Palynology, 2008, 150, 5-21.	0.8	51
30	Early Triassic (early Olenekian) life in the interior of East Gondwana: mixed marineâ€“terrestrial biota from the Kockatea Shale, Western Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 417, 511-533.	1.0	50
31	The record of Australian Jurassic plantâ€“arthropod interactions. Gondwana Research, 2015, 27, 940-959.	3.0	49
32	The Winton Formation flora (Albianâ€“Cenomanian, Eromanga Basin): implications for vascular plant diversification and decline in the Australian Cretaceous. Alcheringa, 2010, 34, 303-323.	0.5	48
33	Anatomically preserved Permian Noeggerathiopsis leaves from east Antarctica. Review of Palaeobotany and Palynology, 1996, 92, 207-227.	0.8	46
34	Ptilophyllum muelleri(Ettingsh.) comb. nov. from the Oligocene of Australia: Last of the Bennettitales?. International Journal of Plant Sciences, 2011, 172, 574-585.	0.6	46
35	Fluvial sedimentology and revised stratigraphy of the Triassic Flagstone Bench Formation, northern Prince Charles Mountains, East Antarctica. Geological Magazine, 1997, 134, 781-806.	0.9	44
36	The Rhaetian flora of RÃ¶gla, northern Scania, Sweden. Palaeontology, 2011, 54, 1025-1051.	1.0	44

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37	Flora of the Late Triassic. Topics in Geobiology, 2018, , 545-622.	0.6	41
38	Anatomically preserved Glossopteris leaves from the Bowen and Sydney basins, Australia. Review of Palaeobotany and Palynology, 1997, 97, 339-359.	0.8	38
39	Habit and Ecology of the Petriellales, an Unusual Group of Seed Plants from the Triassic of Gondwana. International Journal of Plant Sciences, 2014, 175, 1062-1075.	0.6	38
40	Plant fossil distributions in some Australian Permian non-marine sediments. Sedimentary Geology, 1993, 85, 601-619.	1.0	37
41	Ancestral area analysis of Nothofagus (Nothofagaceae) and its congruence with the fossil record. Australian Systematic Botany, 2000, 13, 469.	0.3	32
42	Late Permian glossopteridfructifications from the Bowen and Sydney Basins, eastern Australia. Geobios, 1990, 23, 283-297.	0.7	31
43	Early Jurassic annelid cocoons from eastern Australia. Alcheringa, 2008, 32, 285-296.	0.5	31
44	The Jurassic flora of Western Australia. Gff, 2009, 131, 113-136.	0.4	31
45	Divaricate growth habit in Williamsoniaceae (Bennettitales): unravelling the ecology of a key Mesozoic plant group. Palaeobiodiversity and Palaeoenvironments, 2014, 94, 307-325.	0.6	31
46	Molecular signatures of fossil leaves provide unexpected new evidence for extinct plant relationships. Nature Ecology and Evolution, 2017, 1, 1093-1099.	3.4	30
47	Osmunda pulchella sp. nov. from the Jurassic of Swedenâ€"reconciling molecular and fossil evidence in the phylogeny of modern royal ferns (Osmundaceae). BMC Evolutionary Biology, 2015, 15, 126.	3.2	28
48	Sedimentology of the continental endâ€Permian extinction event in the Sydney Basin, eastern Australia. Sedimentology, 2021, 68, 30-62.	1.6	28
49	The fossil Osmundales (Royal Ferns)â€"a phylogenetic network analysis, revised taxonomy, and evolutionary classification of anatomically preserved trunks and rhizomes. PeerJ, 2017, 5, e3433.	0.9	28
50	Early Cretaceous megaspore assemblages from southeastern Australia. Cretaceous Research, 2002, 23, 807-844.	0.6	27
51	Nothofagus plicata (Nothofagaceae), a new deciduous Eocene macrofossil species, from southern continental Australia. Review of Palaeobotany and Palynology, 1995, 86, 199-209.	0.8	26
52	Peronosporomycetes (Oomycota) from a Middle Permian Permineralised Peat within the Bainmedart Coal Measures, Prince Charles Mountains, Antarctica. PLoS ONE, 2013, 8, e70707.	1.1	26
53	Early evidence of xeromorphy in angiosperms: Stomatal encryption in a new eocene species of Banksia (Proteaceae) from Western Australia. American Journal of Botany, 2014, 101, 1486-1497.	0.8	26
54	Fossilized spermatozoa preserved in a 50-Myr-old annelid cocoon from Antarctica. Biology Letters, 2015, 11, 20150431.	1.0	26

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55	Guadalupian (Middle Permian) megaspores from a permineralised peat in the Bainmedart Coal Measures, Prince Charles Mountains, Antarctica. Review of Palaeobotany and Palynology, 2011, 167, 140-155.	0.8	24
56	Late Palaeozoic Foliage from China Displays Affinities to Cycadales Rather than to Bennettitales Necessitating a Re-Evaluation of the PalaeozoicPterophyllumSpecies. Acta Palaeontologica Polonica, 2010, 55, 157-168.	0.4	24
57	Permian plant macrofossils from Fossilryggen, Vestfjella, Dronning Maud Land. Antarctic Science, 2005, 17, 73-86.	0.5	23
58	Biotic interactions in an exceptionally well preserved osmundaceous fern rhizome from the Early Jurassic of Sweden. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 464, 86-96.	1.0	23
59	Lethal microbial blooms delayed freshwater ecosystem recovery following the end-Permian extinction. Nature Communications, 2021, 12, 5511.	5.8	23
60	Megaspore and microfossil assemblages reveal diverse herbaceous lycophytes in the Australian Early Jurassic flora. Grana, 2014, 53, 22-53.	0.4	22
61	Paurodendron stellatum: A new Permian permineralized herbaceous lycopsid from the Prince Charles Mountains, Antarctica. Review of Palaeobotany and Palynology, 2015, 220, 1-15.	0.8	21
62	Permianâ€“Triassic non-marine algae of Gondwanaâ€”Distributions, natural affinities and ecological implications. Earth-Science Reviews, 2021, 212, 103382.	4.0	21
63	Permian sphenophytes from the Collie and Perth Basins, Western Australia. Review of Palaeobotany and Palynology, 1992, 75, 153-182.	0.8	20
64	END-PERMIAN BURNOUT: THE ROLE OF PERMIANâ€“TRIASSIC WILDFIRES IN EXTINCTION, CARBON CYCLING, AND ENVIRONMENTAL CHANGE IN EASTERN GONDWANA. Palaios, 2022, 37, 292-317.	0.6	18
65	Baikalophyllum lobatumandRehezamites anisolobus: Two Seed Plants with â€œCycadophyteâ€• Foliage from the Early Cretaceous of Eastern Asia. International Journal of Plant Sciences, 2012, 173, 192-208.	0.6	17
66	Polar Regions of the Mesozoicâ€“Paleogene Greenhouse World as Refugia for Relict Plant Groups. , 2018, , 593-611.		17
67	A New High-Paleolatitude Late Permian Permineralized Peat Flora from the Sydney Basin, Australia. International Journal of Plant Sciences, 2019, 180, 513-539.	0.6	17
68	DWELLING IN THE DEAD ZONEâ€”VERTEBRATE BURROWS IMMEDIATELY SUCCEEDING THE END-PERMIAN EXTINCTION EVENT IN AUSTRALIA. Palaios, 2020, 35, 342-357.	0.6	17
69	Age and Paleoenvironmental Significance of the Frazer Beach Memberâ€”A New Lithostratigraphic Unit Overlying the End-Permian Extinction Horizon in the Sydney Basin, Australia. Frontiers in Earth Science, 2021, 8, .	0.8	17
70	Nothofagus Biogeography Revisited with Special Emphasis on the Enigmatic Distribution of Subgenus Brassospora in New Caledonia. Cladistics, 2001, 17, 28-47.	1.5	16
71	New records ofBergiopterisand glossopterid fructifications from the Permian of Western Australia and Queensland. Alcheringa, 1995, 19, 175-192.	0.5	15
72	The diversity of Australian Mesozoic bennettitopsid reproductive organs. Palaeobiodiversity and Palaeoenvironments, 2018, 98, 71-95.	0.6	15

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73	Plant mobility in the Mesozoic: Disseminule dispersal strategies of Chinese and Australian Middle Jurassic to Early Cretaceous plants. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 515, 47-69.	1.0	14
74	Disrupted vegetation as a response to Jurassic volcanism in southern Sweden. Geological Society Special Publication, 2016, 434, 127-147.	0.8	13
75	The architecture of Permian glossopterid ovuliferous reproductive organs. Alcheringa, 2019, 43, 480-510.	0.5	12
76	The reproductive biology of glossopterid gymnospermsâ€"A review. Review of Palaeobotany and Palynology, 2021, 295, 104527.	0.8	12
77	Environmental change in the late Permian of Queensland, NE Australia: The warmup to the end-Permian Extinction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 594, 110936.	1.0	12
78	The first record of the PermianGlossopterisflora from Sri Lanka: implications for hydrocarbon source rocks in the Mannar Basin. Geological Magazine, 2018, 155, 907-920.	0.9	11
79	Two new Senotheca (Glossopteridales) species from the Sydney Basin, Australia, and a review of the genus. Review of Palaeobotany and Palynology, 2012, 171, 140-151.	0.8	10
80	Nogoanom. nov., a replacement name forCometiaMcLoughlin. Alcheringa, 2012, 36, 279-281.	0.5	9
81	Siluro-Devonian trace fossils from the Mereenie Sandstone, Kings Canyon, Watarrka National Park, Amadeus Basin, Northern Territory, Australia. Alcheringa, 2016, 40, 118-128.	0.5	9
82	Marine and terrestrial invertebrate borings and fungal damage in Paleogene fossil woods from Seymour Island, Antarctica. Gff, 2020, 142, 223-236.	0.4	9
83	The Australasian Cretaceous scene. Alcheringa, 2010, 34, 197-203.	0.5	8
84	The status of Jambadostrobus Chandra and Surange (Glossopteridales). Review of Palaeobotany and Palynology, 2012, 171, 1-8.	0.8	8
85	Ancient Wollemi Pines Resurgent. American Scientist, 2005, 93, 540.	0.1	8
86	Life in the woods: Taphonomic evolution of a diverse saproxylic community within fossil woods from Upper Cretaceous submarine mass flow deposits (Mzamba Formation, southeast Africa). Gondwana Research, 2022, 109, 113-133.	3.0	8
87	New fossil woods from lower Cenozoic volcanoâ€sedimentary rocks of the Fildes Peninsula, King George Island, and the implications for the transâ€Antarctic Peninsula Eocene climatic gradient. Papers in Palaeontology, 2020, 6, 1-29.	0.7	7
88	Gymnosperms. , 2021, , 476-500.		7
89	Neutron tomography, fluorescence and transmitted light microscopy reveal new insect damage, fungi and plant organ associations in the Late Cretaceous floras of Sweden. Gff, 0, , 1-29.	0.4	7
90	The first Cenozoic Equisetum from New Zealand. Geobios, 2017, 50, 259-265.	0.7	6

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91	Sphenobaiera insecta from the Upper Triassic of South Australia, with a clarification of the genus Sphenobaiera (fossil Ginkgophyta) and its delimitation from similar foliage genera. Botany Letters, 2022, 169, 442-453.	0.7	6
92	Cainozoic euphorbiacean wood from the Canning Basin, Western Australia. Alcheringa, 2000, 24, 243-256.	0.5	5
93	A New Genus of Glossopterid Fructifications from the Artinskian to Changhsingian of Eastern Australia. Ameghiniana, 2016, 53, 586-598.	0.3	5
94	Did mangrove communities exist in the Late Cretaceous of the Kristianstad Basin, Sweden?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 498, 99-114.	1.0	5
95	Trace fossils, algae, invertebrate remains and new U-Pb detrital zircon geochronology from the lower Cambrian TornetrÃsk Formation, northern Sweden. Gff, 2021, 143, 103-133.	0.4	5
96	Pachytestopsis tayloriorum gen. et sp. nov., an Anatomically Preserved Glossopterid Seed From the Lopingian of Queensland, Australia. , 2018, , 155-178.		4
97	The first Cretaceous megaspores from Ukraine. Cretaceous Research, 2021, 118, 104649.	0.6	4
98	First discovery of Small Shelly Fossils and new occurrences of brachiopods and trilobites from the early Cambrian (Stage 4) of the Swedish Caledonides, Lapland. Gff, 0, , 1-17.	0.4	4
99	Synchrotron X-ray imaging reveals the three-dimensional architecture of beetle borings (Dekosichnus) Tj ETQq1 1 0.784314 rgBT /Ove and Palynology, 2022, 297, 104568.	0.8	2
100	A new lycophyte megaspore, Paxillitriletes permicus, from the upper Permian of Southwest China. Review of Palaeobotany and Palynology, 2022, 304, 104722.	0.8	2
101	Thematic issue editorial: Austral Cretaceousâ€“Paleogene palaeontology. Alcheringa, 2011, 35, 191-191.	0.5	1
102	Exceptional fossils and biotas of Gondwana: the fortieth anniversary issue of Alcheringa. Alcheringa, 2016, 40, 399-406.	0.5	1
103	Thematic issue editorial: Special studies in Austral Cenozoic palaeontology. Alcheringa, 2010, 34, 431-431.	0.5	0