Stephen McLoughlin

List of Publications by Citations

100 papers	3,457 citations	34 h-index	56 g-index
109 ext. papers	3,908 ext. citations	3.2 avg, IF	5.83 L-index

#	Paper	IF	Citations
100	The breakup history of Gondwana and its impact on pre-Cenozoic floristic provincialism. *Australian Journal of Botany*, **2001**, 49, 271	1.2	531
99	Parallel evolution of angiosperm colour signals: common evolutionary pressures linked to hymenopteran vision. *Proceedings of the Royal Society B: Biological Sciences*, **2012**, 279, 3606-15	4.4	125
98	Gondwanan floristic and sedimentological trends during the Permian–Triassic transition: new evidence from the Amery Group, northern Prince Charles Mountains, East Antarctica. *Antarctic Science*, **1997**, 9, 281-298	1.7	116
97	Age and pattern of the southern high-latitude continental end-Permian extinction constrained by multiproxy analysis. *Nature Communications*, **2019**, 10, 385	17.4	101
96	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	1.7	97
95	Fossilized nuclei and chromosomes reveal 180 million years of genomic stasis in royal ferns. *Science*, **2014**, 343, 1376-7	33.3	93
94	Australian Jurassic sedimentary and fossil successions: current work and future prospects for marine and non-marine correlation. *Gff*, **2009**, 131, 49-70	0.9	88
93	Nothofagus Biogeography Revisited with Special Emphasis on the Enigmatic Distribution of Subgenus Brassospora in New Caledonia. *Cladistics*, **2001**, 17, 28-47	3.5	88
92	Fungal proliferation at the Cretaceous-Tertiary boundary. *Science*, **2004**, 303, 1489	33.3	87
91	Tectonic significance of the Lambert graben, East Antarctica: Reconstructing the Gondwanan rift. *Geology*, **2005**, 33, 197	5	85
90	Extinction and recovery patterns of the vegetation across the Cretaceous–Palaeogene boundary – a tool for unravelling the causes of the end-Permian mass-extinction. *Review of Palaeobotany and Palynology*, **2007**, 144, 99-112	1.7	76
89	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	2.6	72
88	Biogeography of Nothofagus supports the sequence of Gondwana break-up. *Taxon*, **2001**, 50, 1025-1041	0.8	71
87	A high-latitude Gondwanan lagerstätte: The Permian permineralised peat biota of the Prince Charles Mountains, Antarctica. *Gondwana Research*, **2015**, 27, 1446-1473	5.1	65
86	Bennettitalean foliage in the Rhaetian–Bajocian (latest Triassic–Middle Jurassic) floras of Scania, southern Sweden. *Review of Palaeobotany and Palynology*, **2009**, 158, 117-166	1.7	64
85	End-Permian (252 Mya) deforestation, wildfires and flooding—An ancient biotic crisis with lessons for the present. *Earth and Planetary Science Letters*, **2020**, 529, 115875	5.3	61
84	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	2.6	57

83	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	1.7	53
82	New records of leaf galls and arthropod oviposition scars in Permian - Triassic Gondwanan gymnosperms. *Australian Journal of Botany*, **2011**, 59, 156	1.2	51
81	Seed ferns survived the end-Cretaceous mass extinction in Tasmania. *American Journal of Botany*, **2008**, 95, 465-71	2.7	51
80	Animal–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	2.9	49
79	Which name(s) should be used for Araucaria-like fossil wood? Results of a poll. *Taxon*, **2014**, 63, 177-184	0.8	47
78	Some Permian glossopterid fructifications and leaves from the Bowen Basin, Queensland, Australia. *Review of Palaeobotany and Palynology*, **1990**, 62, 11-40	1.7	47
77	A new Maastrichtian-Paleocene Azolla species from of Bolivia, with a comparison of the global record of coeval Azolla microfossils. *Alcheringa*, **2005**, 29, 305-329	1	45
76	Revised stratigraphy of the Permian Bainmedart Coal Measures, northern Prince Charles Mountains, East Antarctica. *Geological Magazine*, **1997**, 134, 335-353	2	44
75	Using more than the oldest fossils: dating osmundaceae with three Bayesian clock approaches. *Systematic Biology*, **2015**, 64, 396-405	8.4	43
74	Early Triassic (early Olenekian) life in the interior of East Gondwana: mixed marine–terrestrial biota from the Kockatea Shale, Western Australia. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2015**, 417, 511-533	2.9	42
73	The Winton Formation flora (Albian–Cenomanian, Eromanga Basin): implications for vascular plant diversification and decline in the Australian Cretaceous. *Alcheringa*, **2010**, 34, 303-323	1	42
72	An Early Jurassic flora from the Clarence-Moreton Basin, Australia. *Review of Palaeobotany and Palynology*, **2008**, 150, 5-21	1.7	42
71	Ptilophyllum muelleri(Ettingsh.) comb. nov. from the Oligocene of Australia: Last of the Bennettitales?. *International Journal of Plant Sciences*, **2011**, 172, 574-585	2.6	38
70	Anatomically preserved Permian Noeggerathiopsis leaves from east Antarctica. *Review of Palaeobotany and Palynology*, **1996**, 92, 207-227	1.7	38
69	Cheirolepidiacean foliage and pollen from Cretaceous high-latitudes of southeastern Australia. *Gondwana Research*, **2015**, 27, 960-977	5.1	37
68	Fluvial sedimentology and revised stratigraphy of the Triassic Flagstone Bench Formation, northern Prince Charles Mountains, East Antarctica. *Geological Magazine*, **1997**, 134, 781-806	2	37
67	The record of Australian Jurassic plant–arthropod interactions. *Gondwana Research*, **2015**, 27, 940-959	5.1	36
66	Plant fossil distributions in some Australian Permian non-marine sediments. *Sedimentary Geology*, **1993**, 85, 601-619	2.8	34

65	The Rhaetian flora of Rö̈la, northern Scania, Sweden. *Palaeontology*, **2011**, 54, 1025-1051	2.9	33
64	Refined Permian–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	3.9	32
63	Anatomically preserved Glossopteris leaves from the Bowen and Sydney basins, Australia. *Review of Palaeobotany and Palynology*, **1997**, 97, 339-359	1.7	31
62	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	2.6	30
61	Late Permian glossopteridfructifications from the Bowen and Sydney Basins, eastern Australia. *Geobios*, **1990**, 23, 283-297	1.5	30
60	Early Jurassic annelid cocoons from eastern Australia. *Alcheringa*, **2008**, 32, 285-296	1	26
59	The Jurassic flora of Western Australia. *Gff*, **2009**, 131, 113-136	0.9	25
58	Early Cretaceous megaspore assemblages from southeastern Australia. *Cretaceous Research*, **2002**, 23, 807-844	1.8	25
57	Ancestral area analysis of Nothofagus (Nothofagaceae) and its congruence with the fossil record. *Australian Systematic Botany*, **2000**, 13, 469	1	25
56	Divaricate growth habit in Williamsoniaceae (Bennettitales): unravelling the ecology of a key Mesozoic plant group. *Palaeobiodiversity and Palaeoenvironments*, **2014**, 94, 307-325	0.9	24
55	Fossilized spermatozoa preserved in a 50-Myr-old annelid cocoon from Antarctica. *Biology Letters*, **2015**, 11,	3.6	23
54	The fossil Osmundales (Royal Ferns)-a phylogenetic network analysis, revised taxonomy, and evolutionary classification of anatomically preserved trunks and rhizomes. *PeerJ*, **2017**, 5, e3433	3.1	23
53	Molecular signatures of fossil leaves provide unexpected new evidence for extinct plant relationships. *Nature Ecology and Evolution*, **2017**, 1, 1093-1099	12.3	22
52	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, 1486-97	2.7	21
51	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		21
50	Flora of the Late Triassic. *Topics in Geobiology*, **2018**, 545-622	0.2	21
49	Osmunda pulchella sp. nov. from the Jurassic of Sweden--reconciling molecular and fossil evidence in the phylogeny of modern royal ferns (Osmundaceae). *BMC Evolutionary Biology*, **2015**, 15, 126	3	20
48	Peronosporomycetes (Oomycota) from a Middle Permian permineralised peat within the Bainmedart Coal Measures, Prince Charles Mountains, Antarctica. *PLoS ONE*, **2013**, 8, e70707	3.7	20

47	Permian plant macrofossils from Fossilryggen, Vestfjella, Dronning Maud Land. *Antarctic Science*, **2005**, 17, 73-86	1.7	20
46	Nothofagus plicata (Nothofagaceae), a new deciduous Eocene macrofossil species, from southern continental Australia. *Review of Palaeobotany and Palynology*, **1995**, 86, 199-209	1.7	20
45	Biotic interactions in an exceptionally well preserved osmundaceous fern rhizome from the Early Jurassic of Sweden. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2016**, 464, 86-96	2.9	19
44	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	1.7	18
43	Baikalophyllum lobatumandRehezamites anisolobus: Two Seed Plants with Cycadophyte Foliage from the Early Cretaceous of Eastern Asia. *International Journal of Plant Sciences*, **2012**, 173, 192-208	2.6	16
42	Permian sphenophytes from the Collie and Perth Basins, Western Australia. *Review of Palaeobotany and Palynology*, **1992**, 75, 153-182	1.7	16
41	Paurodendron stellatum: A new Permian permineralized herbaceous lycopsid from the Prince Charles Mountains, Antarctica. *Review of Palaeobotany and Palynology*, **2015**, 220, 1-15	1.7	15
40	Megaspore and microfossil assemblages reveal diverse herbaceous lycophytes in the Australian Early Jurassic flora. *Grana*, **2014**, 53, 22-53	0.8	15
39	A New High-Paleolatitude Late Permian Permineralized Peat Flora from the Sydney Basin, Australia. *International Journal of Plant Sciences*, **2019**, 180, 513-539	2.6	14
38	Polar Regions of the Mesozoic Paleogene Greenhouse World as Refugia for Relict Plant Groups **2018**, 593-611		14
37	Sedimentology of the continental end-Permian extinction event in the Sydney Basin, eastern Australia. *Sedimentology*, **2021**, 68, 30-62	3.3	13
36	New records of Bergiopteris and glossopterid fructifications from the Permian of Western Australia and Queensland. *Alcheringa*, **1995**, 19, 175-192	1	12
35	DWELLING IN THE DEAD ZONE VERTEBRATE BURROWS IMMEDIATELY SUCCEEDING THE END-PERMIAN EXTINCTION EVENT IN AUSTRALIA. *Palaios*, **2020**, 35, 342-357	1.6	10
34	The diversity of Australian Mesozoic bennettitopsid reproductive organs. *Palaeobiodiversity and Palaeoenvironments*, **2018**, 98, 71-95	0.9	10
33	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	1.7	9
32	Permian Triassic non-marine algae of Gondwana Distributions, natural affinities and ecological implications. *Earth-Science Reviews*, **2021**, 212, 103382	10.2	9
31	Siluro-Devonian trace fossils from the Mereenie Sandstone, Kings Canyon, Watarrka National Park, Amadeus Basin, Northern Territory, Australia. *Alcheringa*, **2016**, 40, 118-128	1	8
30	The status of Jambadostrobus Chandra and Surange (Glossopteridales). *Review of Palaeobotany and Palynology*, **2012**, 171, 1-8	1.7	8

29	Ancient Wollemi Pines Resurgent. *American Scientist*, **2005**, 93, 540	2.7	8
28	Nogoa nom. nov., a replacement name for Cometia McLoughlin. *Alcheringa*, **2012**, 36, 279-281	1	7
27	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	2.9	7
26	Age and Paleoenvironmental Significance of the Frazer Beach Member: A New Lithostratigraphic Unit Overlying the End-Permian Extinction Horizon in the Sydney Basin, Australia. *Frontiers in Earth Science*, **2021**, 8,	3.5	7
25	The first record of the Permian Glossopteris flora from Sri Lanka: implications for hydrocarbon source rocks in the Mannar Basin. *Geological Magazine*, **2018**, 155, 907-920	2	6
24	The Australasian Cretaceous scene. *Alcheringa*, **2010**, 34, 197-203	1	6
23	Marine and terrestrial invertebrate borings and fungal damage in Paleogene fossil woods from Seymour Island, Antarctica. *Gff*, **2020**, 142, 223-236	0.9	6
22	The architecture of Permian glossopterid ovuliferous reproductive organs. *Alcheringa*, **2019**, 43, 480-510	1	5
21	Did mangrove communities exist in the Late Cretaceous of the Kristianstad Basin, Sweden?. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2018**, 498, 99-114	2.9	5
20	Cainozoic euphorbiacean wood from the Canning Basin, Western Australia. *Alcheringa*, **2000**, 24, 243-256	1	5
19	Disrupted vegetation as a response to Jurassic volcanism in southern Sweden. *Geological Society Special Publication*, **2016**, 434, 127-147	1.7	5
18	A New Genus of Glossopterid Fructifications from the Artinskian to Changhsingian of Eastern Australia. *Ameghiniana*, **2016**, 53, 586-598	0.9	5
17	Lethal microbial blooms delayed freshwater ecosystem recovery following the end-Permian extinction. *Nature Communications*, **2021**, 12, 5511	17.4	5
16	The first Cenozoic Equisetum from New Zealand. *Geobios*, **2017**, 50, 259-265	1.5	4
15	Neutron tomography, fluorescence and transmitted light microscopy reveal new insect damage, fungi and plant organ associations in the Late Cretaceous floras of Sweden. *Gff*,1-29	0.9	4
14	New fossil woods from lower Cenozoic volcano-sedimentary rocks of the Fildes Peninsula, King George Island, and the implications for the trans-Antarctic Peninsula Eocene climatic gradient. *Papers in Palaeontology*, **2020**, 6, 1-29	2.5	3
13	Gymnosperms **2021**, 476-500		3
12	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*,1-17	0.9	2

11	The reproductive biology of glossopterid gymnosperms: A review. *Review of Palaeobotany and Palynology*, **2021**, 295, 104527	1.7	2
10	Nothofagus Biogeography Revisited with Special Emphasis on the Enigmatic Distribution of Subgenus Brassospora in New Caledonia **2001**, 17, 28		2
9	Environmental change in the late Permian of Queensland, NE Australia: The warmup to the end-Permian Extinction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2022**, 594, 110936	2.9	2
8	Pachytestopsis tayloriorum gen. et sp. nov., an Anatomically Preserved Glossopterid Seed From the Lopingian of Queensland, Australia **2018**, 155-178		1
7	Synchrotron X-ray imaging reveals the three-dimensional architecture of beetle borings (Dekosichnus meniscatus) in Middle–late Jurassic araucarian conifer wood from Argentina. *Review of Palaeobotany and Palynology*, **2022**, 297, 104568	1.7	1
6	The first Cretaceous megaspores from Ukraine. *Cretaceous Research*, **2021**, 118, 104649	1.8	1
5	Trace fossils, algae, invertebrate remains and new U-Pb detrital zircon geochronology from the lower Cambrian Tornetrask Formation, northern Sweden. *Gff*,1-31	0.9	1
4	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*,1-12	1.1	1
3	Thematic issue editorial: Austral Cretaceous–Paleogene palaeontology. *Alcheringa*, **2011**, 35, 191-191	1	0
2	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	5.1	0
1	Thematic issue editorial: Special studies in Austral Cenozoic palaeontology. *Alcheringa*, **2010**, 34, 431-431	1	