Stephen Gallagher

List of Publications by Year
in descending order

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96	2,552	172457	233421
papers	citations	29 h-index	45 g-index

105	105	105	2142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cenozoic stratigraphic succession in southeastern Australia. Australian Journal of Earth Sciences, 2004, 51, 459-496.	1.0	148
2	The Pliocene to recent history of the Kuroshio and Tsushima Currents: a multi-proxy approach. Progress in Earth and Planetary Science, 2015, 2, .	3.0	140
3	Origin and Timing of the Miocene-Pliocene Unconformity in Southeast Australia. Journal of Sedimentary Research, 2002, 72, 288-303.	1.6	136
4	Neogene history of the West Pacific Warm Pool, Kuroshio and Leeuwin currents. Paleoceanography, 2009, 24, .	3.0	89
5	Indonesian Throughflow drove Australian climate from humid Pliocene to arid Pleistocene. Geophysical Research Letters, 2017, 44, 6914-6925.	4.0	83
6	Quantifying <scp>K</scp>, <scp>U</scp>, and <scp>T</scp>h contents of marine sediments using shipboard natural gamma radiation spectra measured on <scp>DV</scp><scp>JOIDES</scp><scp>R</scp>esolution. Geochemistry, Geophysics, Geosystems, 2017, 18, 1053-1064.	2.5	74
7	Australian shelf sediments reveal shifts in Miocene Southern Hemisphere westerlies. Science Advances, 2017, 3, e1602567.	10.3	71
8	The Miocene palaeoenvironmental and palaeoceanographic evolution of the Gippsland Basin, Southeast Australia: a record of Southern Ocean change. Palaeogeography, Palaeoclimatology, Palaeoecology, 2001, 172, 53-80.	2.3	67
9	The Pliocene climatic and environmental evolution of southeastern Australia: evidence from the marine and terrestrial realm. Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 193, 349-382.	2.3	64
10	Marine geology of the Quaternary Bass Canyon system, southeast Australia: A cool-water carbonate system. Marine Geology, 2007, 237, 71-96.	2.1	55
11	Cheirolepidiacean foliage and pollen from Cretaceous high-latitudes of southeastern Australia. Gondwana Research, 2015, 27, 960-977.	6.0	55
12	High-resolution and high-precision correlation of dark and light layers in the Quaternary hemipelagic sediments of the Japan Sea recovered during IODP Expedition 346. Progress in Earth and Planetary Science, 2018, 5, .	3.0	55
13	Timing and Pacing of Indonesian Throughflow Restriction and Its Connection to Late Pliocene Climate Shifts. Paleoceanography and Paleoclimatology, 2019, 34, 635-657.	2.9	53
14	Controls on the distribution of calcareous Foraminifera in the Lower Carboniferous of Ireland. Marine Micropaleontology, 1998, 34, 187-211.	1.2	52
15	No mountains to snow on: major post-Eocene uplift of the East Victoria Highlands; evidence from Cenozoic deposits. Australian Journal of Earth Sciences, 2008, 55, 211-234.	1.0	51
16	Eoceneâ€“Miocene carbon-isotope and floral record from brown coal seams in the Gippsland Basin of southeast Australia. Global and Planetary Change, 2009, 65, 89-103.	3.5	50
17	Integrated tephrostratigraphy and stable isotope stratigraphy in the Japan Sea and East China Sea using IODP Sites U1426, U1427, and U1429, Expedition 346 Asian Monsoon. Progress in Earth and Planetary Science, 2018, 5, .	3.0	47
18	Seismic and stratigraphic evidence for reef expansion and onset of aridity on the Northwest Shelf of Australia during the Pleistocene. Marine and Petroleum Geology, 2014, 57, 470-481.	3.3	42

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19	Late Dinantian (Lower Carboniferous) platform carbonate stratigraphy of the Buttevant area North Co. Cork, Ireland. Geological Journal, 1997, 32, 313-335.	1.3	41
20	Middle to Upper Eocene stratigraphic nomenclature and deposition in the Eucla Basin. Australian Journal of Earth Sciences, 2003, 50, 231-248.	1.0	41
21	Palaeogeographic, climatic and tectonic change in southeastern Australia: the Late Neogene evolution of the Murray Basin. Quaternary Science Reviews, 2011, 30, 1086-1111.	3.0	41
22	Plioâ€Pleistocene tectonics and eustasy in the Gippsland Basin, southeast Australia: Evidence from magnetic imagery and marine geological data. Australian Journal of Earth Sciences, 2003, 50, 403-426.	1.0	38
23	The palaeogeographic and palaeoenvironmental evolution of a Palaeogene mixed carbonateâ€“siliciclastic cool-water succession in the Otway Basin, Southeast Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2000, 156, 19-50.	2.3	37
24	A review of the Traralgon Formation in the Gippsland Basin â€" a world class brown coal resource. International Journal of Coal Geology, 2000, 45, 55-84.	5.0	36
25	The Middle Miocene Yallourn coal seam â€" The last coal in Australia. International Journal of Coal Geology, 2007, 70, 95-115.	5.0	36
26	A nearâ€field sea level record of East Antarctic Ice Sheet instability from 32 to 27 Myr. Paleoceanography, 2013, 28, 1-13.	3.0	36
27	Long-lived transcontinental sediment transport pathways of East Gondwana. Geology, 2019, 47, 513-516.	4.4	34
28	Biostratigraphy, microfacies and depositional environments of upper VisÃ©an limestones from the Burren region, County Clare, Ireland. Geological Journal, 2006, 41, 61-91.	1.3	33
29	East Asian Monsoon History and Paleoceanography of the Japan Sea Over the Last 460,000ÂYears. Paleoceanography and Paleoclimatology, 2018, 33, 683-702.	2.9	33
30	The amplifying effect of Indonesian Throughflow heat transport on Late Pliocene Southern Hemisphere climate cooling. Earth and Planetary Science Letters, 2018, 500, 15-27.	4.4	30
31	Southern high latitude climate variability in the Late Cretaceous greenhouse world. Global and Planetary Change, 2008, 60, 351-364.	3.5	26
32	Marine geology of Port Phillip, Victoria. Australian Journal of Earth Sciences, 2001, 48, 439-455.	1.0	24
33	A new subdivision of the Albian spore-pollen zonation of Australia. Review of Palaeobotany and Palynology, 2012, 171, 57-72.	1.5	24
34	Palaeoenvironments and palaeocommunities from Lower Cretaceous high-latitude sites, Otway Basin, southeastern Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 496, 62-84.	2.3	24
35	Rapid expansion of meso-megathermal rain forests into the southern high latitudes at the onset of the Paleocene-Eocene Thermal Maximum. Geology, 2021, 49, 40-44.	4.4	24
36	Early angiosperm diversification in the Albian of southeast Australia: implications for flowering plant radiation across eastern Gondwana. Review of Palaeobotany and Palynology, 2016, 232, 61-80.	1.5	22

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37	A Cenozoic Great Barrier Reef on Australia's North West shelf. Global and Planetary Change, 2020, 184, 103048.	3.5	22
38	The stratigraphy and cyclicity of the late Dinantian platform carbonates in parts of southern and western Ireland. Geological Society Special Publication, 1996, 107, 239-251.	1.3	21
39	Foraminiferal biofacies and palaeoenvironmental evolution of an Oligo-Miocene cool-water carbonate succession in the Otway Basin, southeast Australia. Journal of Micropalaeontology, 1999, 18, 143-168.	3.6	21
40	Did Port Phillip Bay nearly dry up between â¹¼2800 and 1000 cal. yr BP? Bay floor channelling evidence, seismic and core dating. Australian Journal of Earth Sciences, 2011, 58, 157-175.	1.0	21
41	Low-frequency hearing preceded the evolution of giant body size and filter feeding in baleen whales. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162528.	2.6	21
42	Australian Summer Monsoon variability in the past 14,000â€‰years revealed by IODP Expedition 356 sediments. Progress in Earth and Planetary Science, 2019, 6, .	3.0	21
43	Identification of the Paleoceneâ€“Eocene boundary in coastal strata in the Otway Basin, Victoria, Australia. Journal of Micropalaeontology, 2018, 37, 317-339.	3.6	21
44	The enigma of rare Quaternary oolites in the Indian and Pacific Oceans: A result of global oceanographic physicochemical conditions or a sampling bias?. Quaternary Science Reviews, 2018, 200, 114-122.	3.0	20
45	Increased fluvial runoff terminated inorganic aragonite precipitation on the Northwest Shelf of Australia during the early Holocene. Scientific Reports, 2019, 9, 18356.	3.3	20
46	Cenozoic fault control on â€˜deep leadâ€™ palaeoriver systems, Central Highlands, Victoria. Australian Journal of Earth Sciences, 2006, 53, 445-468.	1.0	19
47	High latitude Albian climate variability: Palynological evidence for long-term drying in a greenhouse world. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 386, 501-511.	2.3	19
48	Palynological-age determination of Early Cretaceous vertebrate-bearing beds along the south Victorian coast of Australia, with implications for the spore-pollen biostratigraphy of the region. Alcheringa, 2020, 44, 460-474.	1.2	17
49	MICROFOSSIL PALEOENVIRONMENTS AND SEQUENCE STRATIGRAPHY OF TERTIARY COOL-WATER CARBONATES, ONSHORE GIPPSLAND BASIN, SOUTHEASTERN AUSTRALIA. , 1997, , 205-220.		17
50	Surface-circulation change in the southwest Pacific Ocean across the Middle Eocene Climatic Optimum: inferences from dinoflagellate cysts and biomarker paleothermometry. Climate of the Past, 2020, 16, 1667-1689.	3.4	17
51	Foraminiferal response to Holocene environmental changes of a tidal estuary in Victoria, southeastern Australia. Marine Micropaleontology, 2000, 38, 229-246.	1.2	16
52	Revised Oligo-Miocene stratigraphy of the Murray Basin, southeast Australia. Australian Journal of Earth Sciences, 2007, 54, 837-849.	1.0	16
53	Age constraints on Oligocene sedimentation in the Torquay Basin, southeastern Australia. Australian Journal of Earth Sciences, 2009, 56, 595-604.	1.0	16
54	The Recent foraminifera and facies of the Bass Canyon: a temperate submarine canyon in Gippsland, Australia. Journal of Micropalaeontology, 2003, 22, 63-83.	3.6	14

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55	Late Cretaceous dysoxia in a southern high latitude siliciclastic succession, the Otway Basin, southeastern Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 223, 317-348.	2.3	14
56	Late Cretaceous palynological correlation and environmental analyses of fluvial reservoir facies of the Tuna Field, Gippsland Basin, southeast Australia. Review of Palaeobotany and Palynology, 2006, 138, 165-186.	1.5	14
57	Revised stratigraphy of the Blanchetown Clay, Murray Basin: age constraints on the evolution of paleo Lake Bungunnia. Australian Journal of Earth Sciences, 2009, 56, 259-270.	1.0	14
58	The Recent temperate foraminiferal biofacies of the Gippsland Shelf: an analogue for Neogene environmental analyses in southeastern Australia. Journal of Micropalaeontology, 2001, 20, 127-142.	3.6	13
59	New age controls on Oligocene and Miocene sediments in southeastern Australia. Review of Palaeobotany and Palynology, 2018, 256, 20-31.	1.5	13
60	FORAMINIFERAL BIOFACIES OF THE MIOCENE WARM TO COOL CLIMATIC TRANSITION IN THE PORT PHILLIP BASIN, SOUTHEASTERN AUSTRALIA. Journal of Foraminiferal Research, 2004, 34, 294-307.	0.5	12
61	Denuding a Craton: Thermochronology Record of Phanerozoic Unroofing From the Pilbara Craton, Australia. Tectonics, 2020, 39, e2019TC005988.	2.8	12
62	Geology of coal-bearing Palaeogene sediments, onshore Torquay Basin, Victoria. Australian Journal of Earth Sciences, 2001, 48, 657-679.	1.0	11
63	Tertiary coal geology and stratigraphy of the Port Phillip Basin, Victoria. Australian Journal of Earth Sciences, 2002, 49, 437-453.	1.0	11
64	Neogene siliciclastic deposition and climate variability on a carbonate margin: Australian Northwest Shelf. Marine Geology, 2018, 403, 285-300.	2.1	11
65	Reversible subsidence on the North West Shelf of Australia. Earth and Planetary Science Letters, 2020, 534, 116070.	4.4	11
66	Dating the Northwest Shelf of Australia Since the Pliocene. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009418.	2.5	11
67	Geology of coal-bearing Palaeogene sediments, onshore Torquay Basin, Victoria. Australian Journal of Earth Sciences, 2001, 48, 657.	1.0	10
68	The evolution of the Tsushima Current during the early Pleistocene in the Sea of Japan: An example from marine isotope stage (MIS) 47. Global and Planetary Change, 2012, 92-93, 162-178.	3.5	10
69	Morphologies and depositional/erosional controls on evolution of Pliocene-Pleistocene carbonate platforms: Northern Carnarvon Basin, Northwest Shelf of Australia. Continental Shelf Research, 2016, 124, 63-82.	1.8	10
70	Paleoceanographic evolution of the Japan Sea over the last 460 kyr â€“ A coccolithophore perspective. Marine Micropaleontology, 2019, 152, 101720.	1.2	10
71	Shallow water mud-mounds of the Early Devonian Buchan Group, East Gippsland, Australia. Sedimentary Geology, 2012, 281, 208-221.	2.1	9
72	Eocene to Oligocene high paleolatitude neritic record of Oi-1 glaciation in the Otway Basin southeast Australia. Global and Planetary Change, 2020, 191, 103218.	3.5	8

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73	Quantitative compaction trends of Miocene to Holocene carbonates off the west coast of Australia. Australian Journal of Earth Sciences, 2021, 68, 1149-1161.	1.0	8
74	Submarine Landslides and Incised Canyons of the Southeast Queensland Continental Margin. Advances in Natural and Technological Hazards Research, 2016, , 125-134.	1.1	7
75	Spinel lherzolite and other xenoliths from a dolerite dyke in southwest Donegal. Geological Magazine, 1990, 127, 177-180.	1.5	6
76	Finding Dry Spells in Ocean Sediments. Oceanography, 2019, 32, 60-63.	1.0	6
77	Biostratigraphy and macroinvertebrate palaeontology of the petroleum-rich Belfast Mudstone (Sherbrook Group, uppermost Turonian to mid-Santonian), Otway Basin, southeastern Australia. Cretaceous Research, 2009, 30, 873-884.	1.4	5
78	New Miocene Fossils and the History of Penguins in Australia. PLoS ONE, 2016, 11, e0153915.	2.5	5
79	Climate and seaâ€level controlling internal architecture of a Quaternary carbonate ramp (Northwest) Tj ETQq1 1 0.784314 rgBT /Ove	3.1	5
80	Pliocene Mollusca (Bivalvia, Gastropoda) from the SÃ¸rsdal Formation, Marine Plain, Vestfold Hills, East Antarctica: taxonomy and implications for Antarctic Pliocene palaeoenvironments. Alcheringa, 2016, 40, 556-582.	1.2	4
81	Paleogene basalts prove early uplift of Victoria's Eastern Uplands. Australian Journal of Earth Sciences, 2011, 58, 95-99.	1.0	3
82	Annual sea surface temperature lag as an indicator of regional climate variability. International Journal of Climatology, 2013, 33, 2309-2317.	3.5	3
83	A review of the taxonomy and systematics of the echinoid genus Monostychia Laube, 1869. Alcheringa, 2016, 40, 341-353.	1.2	3
84	Geology, geochemistry and depositional history of the Port Campbell Limestone on the eastern flank of the Otway Basin, southeastern Australia. Australian Journal of Earth Sciences, 2022, 69, 509-538.	1.0	3
85	Linkages Between East China Sea Deepâ€Sea Oxygenation and Variability in the East Asian Summer Monsoon and Kuroshio Current Over the Last 400,000Âyears. Paleoceanography and Paleoclimatology, 2021, 36, .	2.9	3
86	The development of a climate: an arid continent with wet fringes. , 2014, , 256-282.		2
87	Palaeobiogeographical affinities and palaeoceanographical significance of late Cretaceous Ostracoda (Crustacea) from Voluta-1, Otway Basin, southeastern Australia. Alcheringa, 2020, 44, 555-564.	1.2	2
88	Three new species of the echinoid genus Monostychia Laube, 1869 from Western Australia. Alcheringa, 2017, 41, 464-473.	1.2	1
89	Quaternary environments and monsoonal climate off northwest Australia: Palynological evidence from Ocean Drilling Program Site 765. Quaternary Science Reviews, 2021, 259, 106917.	3.0	1
90	Exploring new drilling prospects in the southwest Pacific. Scientific Drilling, 0, 17, 45-50.	0.6	1

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91	Scientific drilling in the Indian Ocean. Eos, 2012, 93, 70-70.	0.1	0
92	Scientific Drilling in the Southwest Pacific Ocean. Eos, 2013, 94, 101-101.	0.1	0
93	IODP Expedition 356: Drilling to reveal a 5 million year carbonate and subsidence history on the Northwest Shelf of Australia. ASEG Extended Abstracts, 2015, 2015, 1-4.	0.1	0
94	The effect of flexural isostasy on delta architecture: implications for the Mungaroo Formation. ASEG Extended Abstracts, 2018, 2018, 1-7.	0.1	0
95	Geomechanical prestack depth migration of the Kraken 3D (Browse Basin, Australia). ASEG Extended Abstracts, 2018, 2018, 1-8.	0.1	0
96	Two new species of the echinoid genusMonostychiafrom the Miocene of Victoria and a redescription ofM. etheridgeiTenison-Woods, 1877. Alcheringa, 2019, 43, 279-290.	1.2	0