

Colin Murray-Wallace

List of Publications by Year in descending order

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127
papers

4,279
citations

117625

34
h-index

128289

60
g-index

144
all docs

144
docs citations

144
times ranked

3135
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-glacial sea-level changes around the Australian margin: a review. <i>Quaternary Science Reviews</i> , 2013, 74, 115-138.	3.0	306
2	In situ U-series dating by laser-ablation multi-collector ICPMS: new prospects for Quaternary geochronology. <i>Quaternary Science Reviews</i> , 2005, 24, 2523-2538.	3.0	257
3	Holocene sea-level change on the southeast coast of Australia: a review. <i>Holocene</i> , 2007, 17, 999-1014.	1.7	206
4	Pleistocene coastal stratigraphy, sea-level highstands and neotectonism of the southern Australian passive continental margin? a review. <i>Journal of Quaternary Science</i> , 2002, 17, 469-489.	2.1	151
5	The last interglacial shoreline in Australia – A review. <i>Quaternary Science Reviews</i> , 1991, 10, 441-461.	3.0	149
6	Sea-level and environmental changes since the last interglacial in the Gulf of Carpentaria, Australia: an overview. <i>Quaternary International</i> , 2001, 83-85, 19-46.	1.5	149
7	The evolution of coastal barrier systems: a case study of the Middle-Late Pleistocene Wilderness barriers, South Africa. <i>Quaternary Science Reviews</i> , 2011, 30, 63-81.	3.0	121
8	Sea-level rise and coastal change: the past as a guide to the future. <i>Quaternary Science Reviews</i> , 2012, 54, 4-11.	3.0	110
9	Whole-rock aminostratigraphy of the Coorong Coastal Plain, South Australia: towards a 1 million year record of sea-level highstands. <i>Journal of the Geological Society</i> , 2001, 158, 111-124.	2.1	109
10	Optically stimulated luminescence dating of Holocene relict foredunes, Guichen Bay, South Australia. <i>Quaternary Science Reviews</i> , 2002, 21, 1077-1086.	3.0	104
11	Last Interglacial fossil elephant trackways dated by OSL/AAR in coastal aeolianites, Still Bay, South Africa. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 257, 261-279.	2.3	91
12	The last interglacial sea-level high stand on the southern Cape coastline of South Africa. <i>Quaternary Research</i> , 2010, 73, 351-363.	1.7	89
13	Rapid coastal geomorphic change in the River Murray Estuary of Australia. <i>Marine Geology</i> , 2000, 170, 141-168.	2.1	75
14	West coast dune plumes: Climate driven contrasts in dunefield morphogenesis along the western and southern South African coasts. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 271, 24-38.	2.3	69
15	Aminostratigraphy of Quaternary coastal sequences in southern Australia – An overview. <i>Quaternary International</i> , 1995, 26, 69-86.	1.5	66
16	Sea-Level History, 45,000 to 30,000 yr B.P., Inferred from Benthic Foraminifera, Gulf St. Vincent, South Australia. <i>Quaternary Research</i> , 1988, 29, 153-175.	1.7	64
17	Aminostratigraphy and thermoluminescence dating of coastal aeolianites and the later Quaternary history of a failed delta: The River Murray mouth region, South Australia. <i>Quaternary Geochronology</i> , 2010, 5, 28-49.	1.4	64
18	Depositional history and archaeology of the central Lake Mungo lunette, Willandra Lakes, southeast Australia. <i>Journal of Archaeological Science</i> , 2014, 41, 349-364.	2.4	64

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19	Palaeoclimatic implications of the occurrence of the arcoid bivalve <i>Anadara trapezia</i> (Deshayes) in the Quaternary of Australasia. <i>Quaternary Science Reviews</i> , 2000, 19, 559-590.	3.0	62
20	Late Quaternary sea-level highstands in the Tasman Sea: evidence from Lord Howe Island. <i>Marine Geology</i> , 1995, 125, 61-72.	2.1	60
21	Facies architecture of a last interglacial barrier: a model for Quaternary barrier development from the Coorong to Mount Gambier Coastal Plain, southeastern Australia. <i>Marine Geology</i> , 1999, 158, 177-195.	2.1	54
22	New quartz SAR-OSL ages from the stranded beach dune sequence in south-east South Australia. <i>Quaternary Science Reviews</i> , 2003, 22, 1019-1025.	3.0	52
23	Holocene Sea Level Fluctuations and the Sedimentary Evolution of a Barrier Estuary: Lake Illawarra, New South Wales, Australia. <i>Journal of Coastal Research</i> , 2005, 215, 943-959.	0.3	50
24	Ancestral Murray River on the Lacepede Shelf, southern Australia: Late Quaternary migrations of a major river outlet and strandline development. <i>Australian Journal of Earth Sciences</i> , 2009, 56, 135-157.	1.0	50
25	Chronology of Quaternary coastal aeolianite deposition and the drowned shorelines of southwestern Western Australia – a reappraisal. <i>Quaternary Science Reviews</i> , 2014, 93, 106-124.	3.0	50
26	LATE QUATERNARY PALEOSEALEVELS AND PALEOENVIRONMENTS INFERRED FROM FORAMINIFERA, NORTHERN SPENCER GULF, SOUTH AUSTRALIA. <i>Journal of Foraminiferal Research</i> , 2000, 30, 29-53.	0.5	49
27	The amino acid and stable isotope biogeochemistry of elephant bird (<i>Aepyornis</i>) eggshells from southern Madagascar. <i>Quaternary Science Reviews</i> , 2006, 25, 2343-2356.	3.0	49
28	Glacial Lowstand Deposits on the Outer Continental Shelf of Southeastern Australia. <i>Quaternary Research</i> , 1995, 44, 294-299.	1.7	48
29	Geology of Hawaii Reefs. , 2008, , 435-487.		47
30	Mathematical expressions used in amino acid racemisation geochronology – A review. <i>Quaternary Geochronology</i> , 2006, 1, 261-278.	1.4	46
31	Evaluation of the amino acid racemization reaction in studies of Quaternary marine sediments in South Australia. <i>Australian Journal of Earth Sciences</i> , 1987, 34, 279-292.	1.0	44
32	Quaternary marine aminostratigraphy: Perth Basin, Western Australia. <i>Australian Journal of Earth Sciences</i> , 1989, 36, 553-568.	1.0	41
33	Aminostratigraphy and electron spin resonance dating of Quaternary coastal neotectonism in Tasmania and the Bass Strait islands. <i>Australian Journal of Earth Sciences</i> , 1995, 42, 51-67.	1.0	37
34	Last interglacial (MIS 5e) sea-level determined from a tectonically stable, far-field location, Eyre Peninsula, southern Australia. <i>Australian Journal of Earth Sciences</i> , 2016, 63, 611-630.	1.0	37
35	Origin of the Late Neogene Roe Plains and their calcarenite veneer: implications for sedimentology and tectonics in the Great Australian Bight. <i>Australian Journal of Earth Sciences</i> , 2006, 53, 407-419.	1.0	36
36	Prompt transgression and gradual salinisation of the Black Sea during the early Holocene constrained by amino acid racemization and radiocarbon dating. <i>Quaternary Science Reviews</i> , 2011, 30, 3769-3790.	3.0	36

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37	Evolution of Holocene coastal environments near Robe, southeastern South Australia. <i>Quaternary International</i> , 1999, 56, 81-97.	1.5	35
38	A dating intercomparison study on Late Stone Age coastal midden deposits, South Africa. <i>Geoarchaeology - an International Journal</i> , 2008, 23, 715-741.	1.5	34
39	New c. 270 kyr strike-slip and uplift rates for the southern Alpine Fault and implications for the New Zealand plate boundary. <i>Journal of Structural Geology</i> , 2014, 64, 39-52.	2.3	33
40	Aspartic acid racemisation dating of mid-Holocene to recent estuarine sedimentation in New South Wales, Australia: a pilot study. <i>Marine Geology</i> , 2004, 212, 45-59.	2.1	32
41	Shell-gathering from mangroves and the seasonality of the Southeast Asian Monsoon using high-resolution stable isotopic analysis of the tropical estuarine bivalve (<i>Geloina erosa</i>) from the Great Cave of Niah, Sarawak: methods and reconnaissance of molluscs of early Holocene and modern times. <i>Journal of Archaeological Science</i> , 2008, 35, 2686-2697.	2.4	32
42	Aminostratigraphy of Two Holocene Wave-Dominated Barrier Estuaries in Southeastern Australia. <i>Journal of Coastal Research</i> , 2006, 221, 113-136.	0.3	31
43	The last interglacial (MIS 5e) sea level highstand from a tectonically stable far-field setting, Yorke Peninsula, southern Australia. <i>Marine Geology</i> , 2018, 398, 126-136.	2.1	31
44	Amino acid racemization and radiocarbon dating of interstadial marine strata (oxygen isotope stage) Tj ETQq0 0 0 rBT /Overlock 10 Tf	2.1	30
45	The Mungo Mega-Lake Event, Semi-Arid Australia: Non-Linear Descent into the Last Ice Age, Implications for Human Behaviour. <i>PLoS ONE</i> , 2015, 10, e0127008.	2.5	30
46	The last interglacial shoreline in southern Australia: Morphostratigraphic variations in a temperate carbonate setting. <i>Quaternary International</i> , 1995, 26, 7-19.	1.5	29
47	Coastal Aminostratigraphy of the Last Interglaciation in Southern Australia. <i>Quaternary Research</i> , 1991, 35, 63-71.	1.7	28
48	Quaternary calcarenite stratigraphy on Lord Howe Island, southwestern Pacific Ocean and the record of coastal carbonate deposition. <i>Quaternary Science Reviews</i> , 2003, 22, 859-880.	3.0	28
49	Identification of remani� fossils using amino acid racemisation. <i>Alcheringa</i> , 1994, 18, 219-227.	1.2	27
50	Aminostratigraphy and sea-level history of the Pleistocene Bridgewater Formation, Mount Gambier region, southern Australia. <i>Australian Journal of Earth Sciences</i> , 2015, 62, 151-169.	1.0	24
51	Aminostratigraphy and electron spin resonance studies of late Quaternary sea level change and coastal neotectonics in Tasmania, Australia. <i>Zeitschrift f�r Geomorphologie</i> , 1991, 35, 129-149.	0.8	24
52	Contrasting sedimentation rates in Lake Illawarra and St Georges Basin, two large barrier estuaries on the southeast coast of Australia. <i>Journal of Paleolimnology</i> , 2011, 46, 561-577.	1.6	23
53	Interglacial-glacial climatic signatures preserved in a regressive coastal barrier, southeastern Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 501, 124-135.	2.3	23
54	Further evidence for apparent �parabolic� racemization kinetics in Quaternary molluscs. <i>Australian Journal of Earth Sciences</i> , 1993, 40, 313-317.	1.0	22

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55	Unravelling patterns of reworking in lowstand shelf deposits using amino acid racemisation and radiocarbon dating. <i>Quaternary Science Reviews</i> , 1996, 15, 685-697.	3.0	22
56	Quaternary aminostratigraphy of eolianite on Lord Howe Island, Southwest Pacific Ocean. <i>Quaternary Science Reviews</i> , 2003, 22, 387-406.	3.0	22
57	Holocene distribution and amino acid racemisation of the benthic foraminifer <i>Massilina milletti</i> , northern Spencer Gulf, South Australia. <i>Alcheringa</i> , 1986, 10, 45-54.	1.2	21
58	A comparative study of Quaternary dating techniques applied to sedimentary deposits in southwest Victoria, Australia. <i>Quaternary Science Reviews</i> , 1994, 13, 95-110.	3.0	21
59	Age of the Lancefield megafauna: A reappraisal. <i>Australian Archaeology</i> , 1998, 46, 5-11.	0.6	20
60	Sediment-Organism Zonation and the Evolution of Holocene Tidal Sequences in Southern Australia. , 1988, , 475-497.		20
61	Quaternary neotectonism and intra-plate volcanism: the Coorong to Mount Gambier Coastal Plain, southeastern Australia: a review. <i>Geological Society Special Publication</i> , 1999, 146, 255-267.	1.3	19
62	Successive foraminiferal faunas and inferred palaeoenvironments associated with the postglacial (Holocene) marine transgression, Gulf St Vincent, South Australia. <i>Holocene</i> , 2006, 16, 224-234.	1.7	19
63	Holocene shoreline progradation and coastal evolution at Guichen and Rivoli Bays, southern Australia. <i>Holocene</i> , 2020, 30, 106-124.	1.7	19
64	Holocene evolution of the Ninety Mile Beach sand barrier, Victoria, Australia: The role of sea level, sediment supply and climate.. <i>Marine Geology</i> , 2020, 430, 106366.	2.1	17
65	Geological note: Last interglacial (stage 5e) estuarine sediments at largs, new south wales. <i>Australian Journal of Earth Sciences</i> , 1988, 35, 571-574.	1.0	16
66	A partially preserved last interglacial estuarine fill: Narrawallee Inlet, New South Wales. <i>Australian Journal of Earth Sciences</i> , 1992, 39, 545-553.	1.0	16
67	Further amino acid racemisation evidence for glacial age, multiple lowstand deposition on the New South Wales outer continental shelf, southeastern Australia. <i>Marine Geology</i> , 2005, 214, 235-250.	2.1	16
68	The Moyjil site, south-west Victoria, Australia: chronology. <i>Proceedings of the Royal Society of Victoria</i> , 2018, 130, 32.	0.4	16
69	Thermoluminescence ages for a reworked coastal barrier, southeastern Vietnam: a preliminary report. <i>Journal of Asian Earth Sciences</i> , 2002, 20, 535-548.	2.3	15
70	Holocene palaeofire records in a high-level, proximal valley-fill (Wilson Bog), Mount Lofty Ranges, South Australia. <i>Holocene</i> , 2009, 19, 1017-1029.	1.7	15
71	Quaternary History of the Coorong Coastal Plain, Southern Australia. , 2018, , .		15
72	First recorded evidence of subaqueously-deposited late Pleistocene interstadial (MIS 5c) coastal strata above present sea level in Australia. <i>Marine Geology</i> , 2014, 355, 377-383.	2.1	13

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73	The charophyte <i>Lamprothamnium succinctum</i> as an environmental indicator: a Holocene example from Tom Thumbs Lagoon, eastern Australia. <i>Alcheringa</i> , 2002, 26, 507-518.	1.2	12
74	Late Pliocene age of glacial deposits at Heidemann Valley, East Antarctica: evidence for the last major glaciation in the Vestfold Hills. <i>Antarctic Science</i> , 2010, 22, 53.	0.9	11
75	<i>Austrochlamys heardensis</i> (Fleming, 1957) (Bivalvia: Pectinidae) from Central Kerguelen Plateau, Indian Ocean: palaeontology and possible tectonic significance. <i>Antarctic Science</i> , 2004, 16, 329-338.	0.9	10
76	Aboriginal occupation on Rottnest Island, Western Australia, provisionally dated by Aspartic Acid Racemisation assay of land snails to greater than 50 ka. <i>Australian Archaeology</i> , 1999, 49, 7-12.	0.6	9
77	The geochronological potential of isoleucine epimerisation in cassowary and megapode eggshells from archaeological sites. <i>Journal of Archaeological Science</i> , 2007, 34, 1051-1063.	2.4	9
78	Interstadial age (MIS5c) beach-dune barrier deposits in the Coorong Lagoon, South Australia. <i>Australian Journal of Earth Sciences</i> , 2012, 59, 1127-1134.	1.0	9
79	Holocene freshwater history of the Lower River Murray and its terminal lakes, Alexandrina and Albert, South Australia, and its relevance to contemporary environmental management. <i>Australian Journal of Earth Sciences</i> , 2022, 69, 605-629.	1.0	9
80	14.30 An Introduction to Dating Techniques: A Guide for Geomorphologists. , 2013, , 346-369.		8
81	Quaternary coastal morphology and sea-level changes – an introduction. <i>Quaternary Science Reviews</i> , 2005, 24, 1963-1968.	3.0	7
82	The geomorphological evolution of a saline coastal lagoon on the southeast coast of Australia: Swan Lake, New South Wales. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 224, 301-313.	2.1	7
83	Seasonal control on coastal dune morphostratigraphy under a monsoon climate, Mui Ne dunefield, SE Vietnam. <i>Geomorphology</i> , 2020, 370, 107371.	2.6	7
84	Aminostratigraphy and taphonomy of ostrich eggshell in the sedimentary infill of Apollo 11 Rockshelter, Namibia. <i>Journal of Archaeological Science: Reports</i> , 2015, 4, 143-151.	0.5	6
85	Amino acid racemisation and radiocarbon dating of a contact period midden, Greenglade rockshelter, New South Wales. <i>Archaeology in Oceania</i> , 1997, 32, 163-169.	0.7	5
86	Comment on: “New $^{40}\text{Ar}/^{39}\text{Ar}$ ages for selected young (< 1 Ma) basalt flows of the Newer Volcanic Province, southeastern Australia” by E. Matchan & D. Phillips. <i>Quaternary Geochronology</i> , 2011, 6, 598-599.	1.4	5
87	A large mid-Holocene estuary was not present in the lower River Murray, Australia. <i>Scientific Reports</i> , 2021, 11, 12082.	3.3	5
88	A diverse Holocene molluscan fauna including <i>Anadara trapezia</i> from Royal Park, Launceston, Tasmania. <i>Papers and Proceedings - Royal Society of Tasmania</i> , 1993, 127, 17-22.	0.2	5
89	Micropalaeontological evidence for deglacial marine flooding of the ancient courses of the River Murray across the Lapepede Shelf, southern Australia. <i>Marine Micropaleontology</i> , 2018, 141, 55-72.	1.2	4
90	The utility of single foraminifera amino acid racemization analysis for the relative dating of Quaternary beach barriers and identification of reworked sediment. <i>Quaternary Geochronology</i> , 2020, 60, 101103.	1.4	4

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91	Late Pleistocene interstadial sea-levels (MIS 5a) in Gulf St Vincent, southern Australia, constrained by amino acid racemization dating of the benthic foraminifer <i>Elphidium macelliforme</i> . <i>Quaternary Science Reviews</i> , 2021, 259, 106899.	3.0	4
92	SEA LEVEL STUDIES Eustatic Sea-Level Changes Since the Last Glaciation. , 2007, , 3034-3043.		4
93	Geomorphological Evolution of the River Murray Estuary, South Australia. , 0, , .		4
94	Understanding “deep” time Advances since Archbishop Ussher?. <i>Archaeology in Oceania</i> , 1996, 31, 173-177.	0.7	3
95	Coastal sedimentary research examines critical issues of national and global priority. <i>Eos</i> , 2000, 81, 181.	0.1	3
96	Coastal environmental change during sea-level highstands. <i>Sedimentary Geology</i> , 2002, 150, 1-2.	2.1	3
97	Chapter 20 The continental shelves of SE Australia. <i>Geological Society Memoir</i> , 2014, 41, 273-291.	1.7	3
98	Identification of reworked foraminifera in temperate carbonate sediments “ A pilot study from the Coorong Coastal Plain, southern Australia. <i>Marine Geology</i> , 2020, 421, 106096.	2.1	3
99	The Mouth of the River Murray, South Australia. , 0, , .		3
100	Recent sedimentation and geomorphical changes, Lake Illawarra, NSW, Australia. <i>Wetlands Australia</i> , 2006, 21, 74.	0.5	3
101	Quaternary marine and terrestrial records in Australasia: Do they agree? “ An introduction. <i>Quaternary Science Reviews</i> , 1994, 13, 183-187.	3.0	2
102	Sea-level changes and neotectonics: an introduction. <i>Journal of Quaternary Science</i> , 2002, 17, 385-386.	2.1	2
103	SEA LEVEL STUDIES Eustatic Sea-Level Changes, Glacial-Interglacial Cycles. , 2007, , 3024-3034.		2
104	Identification of a penultimate interglacial (marine isotope stage 7) alluvium in South Australia and its climatic and sea-level implications. <i>Transactions of the Royal Society of South Australia</i> , 2018, 142, 208-223.	0.4	2
105	Holocene Coastal Sedimentary Environments of the Coorong Coastal Plain, Southern Australia. , 2018, , 81-114.		2
106	Amino acid racemisation and uranium-series dating of a last interglacial raised beach, Kingscote, Kangaroo Island, southern Australia. <i>Transactions of the Royal Society of South Australia</i> , 2019, 143, 1-26.	0.4	2
107	Radiocarbon and amino acid racemization (AAR) and the time since death. , 2020, , 191-227.		1
108	Amino Acid Racemization, Eolianites. <i>Encyclopedia of Earth Sciences Series</i> , 2015, , 35-40.	0.1	1

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109	Geological Evolution of the River Murray Estuary Region. , 0, , .		1
110	Late Quaternary neotectonics in the Birdâ€™s Head Peninsula (West Papua), Indonesia: Implications for plate motions in northwestern New Guinea, western Pacific. Journal of Asian Earth Sciences, 2022, 236, 105336.	2.3	1
111	Title is missing!. Quaternary Science Reviews, 2008, 27, 881.	3.0	0
112	SEA LEVEL STUDIES Eustatic Sea-Level Changes â€™ Glacialâ€™ Interglacial Cycles. , 2013, , 429-438.		0
113	Amino Acid Racemization, Eolianites. , 2014, , 1-8.		0
114	Quaternary Environmental Change in Southern Africa: Physical and Human Dimensions. Quaternary Science Reviews, 2017, 158, 235-236.	3.0	0
115	Soils, Palaeosols, Calcrete and Karst. , 2018, , 135-152.		0
116	The Coorong Coastal Plain, Southern Australiaâ€™ An Introduction. , 2018, , 1-26.		0
117	David Quentin Bowen: A memorial. Quaternary Science Reviews, 2020, 250, 106688.	3.0	0
118	Luminescence dating of Quaternary alluvial successions, Sellicks Creek, South Mount Lofty Ranges, southern Australia. Australian Journal of Earth Sciences, 2020, 67, 627-647.	1.0	0
119	Peesey Swampâ€™ a Last Interglacial (MIS 5e) marine corridor across southern Yorke Peninsula, southern Australia. Australian Journal of Earth Sciences, 2021, 68, 952-967.	1.0	0
120	Litho- and chronostratigraphy of holocene sedimentary successions preserved in Lake Illawarra, NSW, Australia. Wetlands Australia, 2006, 21, 62.	0.5	0
121	THE USE OF FORAMINIFERA TO QUANTIFY REWORKED GRAINS IN COASTAL SEDIMENTS USING AMINO ACID RACEMIZATION: PRELIMINARY RESULTS. , 2016, , .		0
122	LATE PLEISTOCENE PALEOSEALEVELS INFERRED FROM FOSSIL FORAMINIFERA, GULF ST VINCENT, SOUTHERN AUSTRALIA. , 2017, , .		0
123	Pleistocene and Holocene Volcanic Activity and Neotectonism. , 2018, , 115-134.		0
124	Geochronological Framework for the Age of the Coastal Barrier Successions of the Coorong Coastal Plain. , 2018, , 153-169.		0
125	The Pleistocene Barrier Sequence of the Coorong Coastal Plain, Southern Australia. , 2018, , 27-79.		0
126	Quaternary Sea-Level Changes and Coastal Evolution of the Coorong Coastal Plain, Southern Australia. , 2018, , 171-205.		0

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127	The Adventures and Peregrinations of the Fabulous Five during Coastal Fieldwork in South Australia. Journal of Coastal Research, 2020, 101, 150.	0.3	0