

# Andrew Green

## List of Publications by Year in descending order

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86  
papers

2,011  
citations

218381

26  
h-index

288905

40  
g-index

87  
all docs

87  
docs citations

87  
times ranked

1344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beachrock: A tool for reconstructing relative sea level in the far-field. <i>Marine Geology</i> , 2015, 362, 1-16.	0.9	138
2	Sandy beaches can survive sea-level rise. <i>Nature Climate Change</i> , 2020, 10, 993-995.	8.1	136
3	Palaeo-drainage, incised valley fills and transgressive systems tract sedimentation of the northern KwaZulu-Natal continental shelf, South Africa, SW Indian Ocean. <i>Marine Geology</i> , 2009, 263, 46-63.	0.9	93
4	Geological constraints on mesoscale coastal barrier behaviour. <i>Global and Planetary Change</i> , 2018, 168, 15-34.	1.6	80
5	Geomorphic and stratigraphic signals of postglacial meltwater pulses on continental shelves. <i>Geology</i> , 2014, 42, 151-154.	2.0	67
6	Submerged barrier shoreline sequences on a high energy, steep and narrow shelf. <i>Marine Geology</i> , 2013, 346, 366-374.	0.9	66
7	Submarine landsliding and canyon evolution on the northern KwaZulu-Natal continental shelf, South Africa, SW Indian Ocean. <i>Marine Geology</i> , 2008, 254, 152-170.	0.9	61
8	Formation and preservation of an overstepped segmented lagoon complex on a high-energy continental shelf. <i>Sedimentology</i> , 2013, 60, 1755-1768.	1.6	56
9	Sea-level change in southern Africa since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2018, 201, 303-318.	1.4	51
10	Spatial and temporal variations in incised valley systems from the Durban continental shelf, KwaZulu-Natal, South Africa. <i>Marine Geology</i> , 2013, 335, 148-161.	0.9	50
11	Sandy barrier overstepping and preservation linked to rapid sea level rise and geological setting. <i>Marine Geology</i> , 2016, 382, 80-91.	0.9	47
12	Geomorphological evidence for upslope canyon-forming processes on the northern KwaZulu-Natal shelf, SW Indian Ocean, South Africa. <i>Geo-Marine Letters</i> , 2007, 27, 399-409.	0.5	46
13	Submerged shoreline preservation and ravinement during rapid postglacial sea-level rise and subsequent "eslowstand". <i>Bulletin of the Geological Society of America</i> , 2016, 128, 1059-1069.	1.6	45
14	Evolution of an incised valley coastal plain estuary under low sediment supply: a "giveup" estuary. <i>Sedimentology</i> , 2012, 59, 899-916.	1.6	39
15	The stratigraphic evolution of a large back-barrier lagoon system with a non-migrating barrier. <i>Marine Geology</i> , 2016, 379, 64-77.	0.9	38
16	Boulder emplacement on a tectonically stable, wave-dominated coastline, Mission Rocks, northern KwaZulu-Natal, South Africa. <i>Marine Geology</i> , 2012, 323-325, 95-106.	0.9	37
17	Late Quaternary stratigraphic evolution of the inner continental shelf in response to sea-level change, Santa Catarina, Brazil. <i>Marine Geology</i> , 2018, 397, 1-14.	0.9	36
18	The role of shelf morphology and antecedent setting in the preservation of palaeo-shoreline (beachrock and aeolianite) sequences: the SE African shelf. <i>Geo-Marine Letters</i> , 2018, 38, 5-18.	0.5	36

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19	Sediment dynamics on the narrow, canyon-incised and current-swept shelf of the northern KwaZulu-Natal continental shelf, South Africa. <i>Geo-Marine Letters</i> , 2009, 29, 201-219.	0.5	32
20	The late Cretaceous to Holocene sequence stratigraphy of a sheared passive upper continental margin, northern KwaZulu-Natal, South Africa. <i>Marine Geology</i> , 2011, 289, 17-28.	0.9	32
21	A sequence stratigraphic framework for a narrow, current-swept continental shelf: The Durban Bight, central KwaZulu-Natal, South Africa. <i>Journal of African Earth Sciences</i> , 2011, 60, 303-314.	0.9	32
22	The evolution of the Tugela canyon and submarine fan: A complex interaction between margin erosion and bottom current sweeping, southwest Indian Ocean, South Africa. <i>Marine and Petroleum Geology</i> , 2013, 44, 60-70.	1.5	30
23	Geomorphology and preservation potential of coastal and submerged aeolianite: Examples from KwaZulu-Natal, South Africa. <i>Geomorphology</i> , 2016, 271, 1-12.	1.1	29
24	Seismic architecture, stratigraphy and evolution of a subtropical marine embayment: Maputo Bay, Mozambique. <i>Marine Geology</i> , 2015, 369, 300-309.	0.9	27
25	Evidence of El Niño driven desiccation cycles in a shallow estuarine lake: The evolution and fate of Africa's largest estuarine system, Lake St Lucia. <i>Global and Planetary Change</i> , 2016, 147, 97-105.	1.6	27
26	Zambezi continental margin: compartmentalized sediment transfer routes to the abyssal Mozambique Channel. <i>Marine Geophysical Researches</i> , 2017, 38, 227-240.	0.5	27
27	Outer- to inner-shelf response to stepped sea-level rise: Insights from incised valleys and submerged shorelines. <i>Marine Geology</i> , 2019, 416, 105979.	0.9	27
28	The control of palaeo-topography in the preservation of shallow gas accumulation: Examples from Brazil, Argentina and South Africa. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 172, 93-107.	0.9	26
29	Submarine canyons associated with alternating sediment starvation and shelf-edge wedge development: Northern KwaZulu-Natal continental margin, South Africa. <i>Marine Geology</i> , 2011, 284, 114-126.	0.9	24
30	Sedimentology and depositional architecture of a submarine delta-fan complex in the Durban Basin, South Africa. <i>Marine and Petroleum Geology</i> , 2016, 78, 390-404.	1.5	23
31	Stepped Holocene sea-level rise and its influence on sedimentation in a large marine embayment: Maputo Bay, Mozambique. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 193, 25-36.	0.9	22
32	Unusual Barrier/Inlet Behaviour Associated with Active Coastal Progradation and River-Dominated Estuaries. <i>Journal of Coastal Research</i> , 2013, 69, 35-45.	0.1	21
33	Anomalous seafloor mounds in the northern Natal Valley, southwest Indian Ocean: Implications for the East African Rift System. <i>Tectonophysics</i> , 2014, 630, 300-312.	0.9	21
34	Geological inheritance and its role in the geomorphological and sedimentological evolution of bedrock-hosted incised valleys, lake St Lucia, South Africa. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 222, 154-167.	0.9	19
35	The seismic stratigraphy of the inner shelf of southern Namibia: The development of an unusual nearshore shelf stratigraphy. <i>Marine Geology</i> , 2019, 408, 18-35.	0.9	19
36	Unconsolidated sediment distribution patterns in the KwaZulu-Natal Bight, South Africa: the role of wave ravinement in separating relict versus active sediment populations. <i>African Journal of Marine Science</i> , 2016, 38, S65-S74.	0.4	18

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37	Submerged beachrock preservation in the context of wave ravinement. <i>Geo-Marine Letters</i> , 2018, 38, 19-32.	0.5	18
38	Rapid beachrock cementation on a South African beach: Linking morphodynamics and cement style. <i>Sedimentary Geology</i> , 2018, 378, 13-18.	1.0	18
39	Nannofossil age constraints for the northern KwaZulu-Natal shelf-edge wedge: Implications for continental margin dynamics, South Africa, SW Indian Ocean. <i>Continental Shelf Research</i> , 2008, 28, 2442-2449.	0.9	17
40	Diatom-inferred hydrological changes and Holocene geomorphic transitioning of Africa's largest estuarine system, Lake St Lucia. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 192, 170-180.	0.9	17
41	Reversing transverse dunes: Modelling of airflow switching using 3D computational fluid dynamics. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116363.	1.8	17
42	Construction and evolution of submerged deltaic bodies on the high energy SE African coastline: The interplay between relative sea level and antecedent controls. <i>Marine Geology</i> , 2020, 424, 106170.	0.9	17
43	A preliminary classification of coastal sand dunes of KwaZulu-Natal. <i>Journal of Coastal Research</i> , 2014, 70, 718-722.	0.1	16
44	A new pathway for Deep water exchange between the Natal Valley and Mozambique Basin?. <i>Geo-Marine Letters</i> , 2014, 34, 525-540.	0.5	15
45	Beachrock facies variability and sea level implications: a preliminary study. <i>Journal of Coastal Research</i> , 2014, 70, 736-742.	0.1	15
46	Antecedent geologic control on nearshore morphological development: The wave dominated, high sediment supply shoreface of southern Namibia. <i>Marine Geology</i> , 2018, 403, 34-47.	0.9	14
47	The Provenance of Terrigenous Components in Marine Sediments Along the East Coast of Southern Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1946-1962.	1.0	13
48	Storm Swash Deposition On An Embayed Rock Coastline: Facies, Formative Mechanisms, and Preservation. <i>Journal of Sedimentary Research</i> , 2015, 85, 1155-1165.	0.8	12
49	Relict and contemporary influences on the postglacial geomorphology and evolution of a current swept shelf: The Eastern Cape Coast, South Africa. <i>Marine Geology</i> , 2020, 427, 106230.	0.9	12
50	Geomorphology and clast assemblages of intertidal beachrock: Implications for submerged shoreline preservation. <i>Geomorphology</i> , 2019, 343, 106-118.	1.1	11
51	Tidal strait to embayment: Seismic stratigraphy and evolution of a rock-bounded embayment in the context of Holocene sea level change. <i>Marine Geology</i> , 2019, 415, 105972.	0.9	11
52	Rhodolith Bed Discovered off the South African Coast. <i>Diversity</i> , 2020, 12, 125.	0.7	11
53	Vertical stacking of multiple highstand shoreline deposits from the Cretaceous to the present: facies development and preservation. <i>Journal of Coastal Research</i> , 2013, 165, 1904-1908.	0.1	10
54	High-resolution geochemical records of extreme drought in southeastern Africa during the past 7000 years. <i>Quaternary Science Reviews</i> , 2020, 236, 106294.	1.4	10

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55	Response of a wave-dominated coastline and delta to antecedent conditioning and fluctuating rates of postglacial sea-level rise. <i>Marine Geology</i> , 2021, 434, 106435.	0.9	10
56	Beachrock morphology and genesis on a paraglacial beach. <i>Sedimentary Geology</i> , 2017, 360, 47-53.	1.0	9
57	Beaches and bedrock: How geological framework controls coastal morphology and the relative grade of a Southern Namibian diamond placer deposit. <i>Ore Geology Reviews</i> , 2019, 107, 853-862.	1.1	9
58	Seasonal and episodic variability in the morphodynamics of an ephemeral inlet, Zinkwazi Estuary, South Africa. <i>Journal of Coastal Research</i> , 2013, 65, 446-451.	0.1	8
59	Backbeach Deflation Aprons: Morphology and Sedimentology. <i>Journal of Sedimentary Research</i> , 2013, 83, 395-405.	0.8	8
60	Investigation of CO2 storage potential of the Durban basin in South Africa. <i>Energy Procedia</i> , 2014, 63, 5200-5210.	1.8	8
61	Longshore Size Grading On A Boulder Beach. <i>Journal of Sedimentary Research</i> , 2016, 86, 1123-1128.	0.8	8
62	A Mid-Miocene erosional unconformity from the Durban Basin, SE African margin: A combination of global eustatic sea level change, epeirogenic uplift, and ocean current initiation. <i>Marine and Petroleum Geology</i> , 2017, 86, 798-811.	1.5	8
63	A morphometric analysis of the fluid flow features of the southern Orange Basin, South Africa. <i>Marine Geology</i> , 2020, 423, 106145.	0.9	8
64	A standardized database of Marine Isotope Stage 5e sea-level proxies in southern Africa (Angola,) Tj ETQq0 0 0 rgBT (Overlock 10 Tf 50 3	3.7	8
65	Linking fracturing and rock mechanic properties to the erosion of a beachrock shore platform. <i>Marine Geology</i> , 2021, 441, 106616.	0.9	8
66	Can ancient shelf sand ridges be mistaken for Gilbert-type deltas? Examples from the Vryheid Formation, Ecca Group, KwaZulu-Natal, South Africa. <i>Journal of African Earth Sciences</i> , 2012, 76, 27-33.	0.9	7
67	Overwash-dominated stratigraphy of barriers with intermittent inlets. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2097-2111.	1.2	7
68	When Is a Barrier Island Not an Island? When It Is Preserved in the Rock Record. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	7
69	Spatial distribution and consequences of contaminants in harbour sediments – A case study from Richards Bay Harbour, South Africa. <i>Marine Pollution Bulletin</i> , 2021, 172, 112764.	2.3	7
70	The Holocene evolution of Lake St Lucia, Africa's largest estuary: Geological implications for contemporary management. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 266, 107745.	0.9	7
71	Late Holocene shoreface evolution of the wave dominated Durban Bight, KwaZulu-Natal, South Africa: A mixed storm and current driven system. <i>Continental Shelf Research</i> , 2012, 49, 56-64.	0.9	6
72	Environmental change during the Pleistocene and Holocene: Estuaries and lagoons of southern Africa. , 2016, , 219-233.		6

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73	Bedform evolution and dynamics of a geostrophic current-swept shelf, northern KwaZulu-Natal, South Africa. <i>Geo-Marine Letters</i> , 2022, 42, 1.	0.5	5
74	Stormier mid-Holocene southwest Indian Ocean due to poleward trending tropical cyclones. <i>Nature Geoscience</i> , 2022, 15, 60-66.	5.4	5
75	Back-barrier evolution and along-strike variations in infilling of the Kosi Bay lake system, South Africa. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 272, 107877.	0.9	5
76	A first assessment of potential stratigraphic traps for geological storage of CO <sub>2</sub> in the Durban Basin, South Africa. <i>International Journal of Greenhouse Gas Control</i> , 2017, 64, 73-86.	2.3	4
77	Submerged Palaeolandscapes of the Southern Hemisphere (SPLOSH) – What is emerging from the Southern Hemisphere. <i>World Archaeology</i> , 2022, 54, 6-28.	0.5	4
78	Mapping diamondiferous palaeo-shorelines in complicated terrain: seismic and GIS-based methods from the inner shelf of southern Namibia. <i>Geo-Marine Letters</i> , 2021, 41, 1.	0.5	3
79	Bayhead delta evolution in the context of late Quaternary and Holocene sea-level change, Richards Bay, South Africa.. <i>Marine Geology</i> , 2021, 441, 106608.	0.9	3
80	Breaking up and making up – reworking of Holocene calcarenite platform into rapidly-forming beachrock breccias on a high energy coastline (St. Lucia, South Africa). <i>Sedimentology</i> , 2022, 69, 1339-1364.	1.6	3
81	Number One Reef: An overstepped segmented lagoon complex on the KwaZulu-Natal continental shelf. <i>South African Journal of Science</i> , 2012, 108, .	0.3	2
82	Impact of sea-level fluctuations on the sedimentation patterns of the SE African margin: implications for slope instability. <i>Geological Society Special Publication</i> , 2020, 500, 267-276.	0.8	2
83	WIND CHARACTERISTICS AND BLOWOUT FORMATION NEAR MABIBI, NORTHERN KWAZULU-NATAL. <i>Southern African Geographical Journal</i> , 2004, 86, 104-112.	0.9	1
84	Cliff-top storm deposits (55-63m amsl) from Morgan Bay, South Africa. <i>Journal of Coastal Research</i> , 2014, 70, 349-353.	0.1	1
85	Stratigraphic and morphologic signatures of continental shelves, IGC 2016, Cape Town: an introduction. <i>Geo-Marine Letters</i> , 2018, 38, 1-3.	0.5	1
86	An introductory note from the new editors. <i>Geo-Marine Letters</i> , 2018, 38, 193-193.	0.5	0