

# Andrew Green

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84  
papers

1,429  
citations

23  
h-index

34  
g-index

87  
ext. papers

1,720  
ext. citations

3.3  
avg, IF

5.28  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 84 | The Holocene evolution of Lake St Lucia, Africa's largest estuary: Geological implications for contemporary management. <i>Estuarine, Coastal and Shelf Science</i> , <b>2022</b> , 266, 107745                     | 2.9  | 1         |
| 83 | Bedform evolution and dynamics of a geostrophic current-swept shelf, northern KwaZulu-Natal, South Africa. <i>Geo-Marine Letters</i> , <b>2022</b> , 42, 1  | 1.9  | 1         |
| 82 | Stormier mid-Holocene southwest Indian Ocean due to poleward trending tropical cyclones. <i>Nature Geoscience</i> , <b>2022</b> , 15, 60-66   | 18.3 | 0         |
| 81 | Back-barrier evolution and along-strike variations in infilling of the Kosi Bay lake system, South Africa. <i>Estuarine, Coastal and Shelf Science</i> , <b>2022</b> , 272, 107877                                  | 2.9  | 0         |
| 80 | A standardized database of Marine Isotope Stage 5e sea-level proxies in southern Africa (Angola, Namibia and South Africa). <i>Earth System Science Data</i> , <b>2021</b> , 13, 953-968                            | 10.5 | 3         |
| 79 | Response of a wave-dominated coastline and delta to antecedent conditioning and fluctuating rates of postglacial sea-level rise. <i>Marine Geology</i> , <b>2021</b> , 434, 106435                                  | 3.3  | 2         |
| 78 | When Is a Barrier Island Not an Island? When It Is Preserved in the Rock Record. <i>Frontiers in Earth Science</i> , <b>2021</b> , 8,   | 3.5  | 2         |
| 77 | Mapping diamondiferous palaeo-shorelines in complicated terrain: seismic and GIS-based methods from the inner shelf of southern Namibia. <i>Geo-Marine Letters</i> , <b>2021</b> , 41, 1                            | 1.9  | 0         |
| 76 | Bayhead delta evolution in the context of late Quaternary and Holocene sea-level change, Richards Bay, South Africa.. <i>Marine Geology</i> , <b>2021</b> , 441, 106608   | 3.3  | 1         |
| 75 | Linking fracturing and rock mechanic properties to the erosion of a beachrock shore platform. <i>Marine Geology</i> , <b>2021</b> , 441, 106616   | 3.3  | 3         |
| 74 | Spatial distribution and consequences of contaminants in harbour sediments - A case study from Richards Bay Harbour, South Africa. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 172, 112764                     | 6.7  | 0         |
| 73 | Rhodolith Bed Discovered off the South African Coast. <i>Diversity</i> , <b>2020</b> , 12, 125  | 2.5  | 4         |
| 72 | High-resolution geochemical records of extreme drought in southeastern Africa during the past 7000 years. <i>Quaternary Science Reviews</i> , <b>2020</b> , 236, 106294   | 3.9  | 4         |
| 71 | 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> , <b>2020</b> , 427, 106230                 | 3.3  | 4         |
| 70 | A morphometric analysis of the fluid flow features of the southern Orange Basin, South Africa. <i>Marine Geology</i> , <b>2020</b> , 423, 106145  | 3.3  | 5         |
| 69 | Impact of sea-level fluctuations on the sedimentation patterns of the SE African margin: implications for slope instability. <i>Geological Society Special Publication</i> , <b>2020</b> , 500, 267-276             | 1.7  | 2         |
| 68 | 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> , <b>2020</b> , 424, 106170 | 3.3  | 8         |

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|----|---|------|----|
| 67 | Reversing transverse dunes: Modelling of airflow switching using 3D computational fluid dynamics. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 544, 116363  | 5.3  | 9  |
| 66 | Sandy beaches can survive sea-level rise. <i>Nature Climate Change</i> , <b>2020</b> , 10, 993-995  | 21.4 | 49 |
| 65 | 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> , <b>2019</b> , 415, 105972  | 3.3  | 3  |
| 64 | 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> , <b>2019</b> , 107, 853-862                             | 3.2  | 5  |
| 63 | Overwash-dominated stratigraphy of barriers with intermittent inlets. <i>Earth Surface Processes and Landforms</i> , <b>2019</b> , 44, 2097-2111  | 3.7  | 5  |
| 62 | 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> , <b>2019</b> , 222, 154-167 | 2.9  | 12 |
| 61 | Outer- to inner-shelf response to stepped sea-level rise: Insights from incised valleys and submerged shorelines. <i>Marine Geology</i> , <b>2019</b> , 416, 105979   | 3.3  | 16 |
| 60 | Geomorphology and clast assemblages of intertidal beachrock: Implications for submerged shoreline preservation. <i>Geomorphology</i> , <b>2019</b> , 343, 106-118   | 4.3  | 3  |
| 59 | The seismic stratigraphy of the inner shelf of southern Namibia: The development of an unusual nearshore shelf stratigraphy. <i>Marine Geology</i> , <b>2019</b> , 408, 18-35   | 3.3  | 14 |
| 58 | Stratigraphic and morphologic signatures of continental shelves, IGC 2016, Cape Town: an introduction. <i>Geo-Marine Letters</i> , <b>2018</b> , 38, 1-3  | 1.9  | 1  |
| 57 | Late Quaternary stratigraphic evolution of the inner continental shelf in response to sea-level change, Santa Catarina, Brazil. <i>Marine Geology</i> , <b>2018</b> , 397, 1-14   | 3.3  | 27 |
| 56 | Submerged beachrock preservation in the context of wave ravinement. <i>Geo-Marine Letters</i> , <b>2018</b> , 38, 19-32   | 1.9  | 14 |
| 55 | Antecedent geologic control on nearshore morphological development: The wave dominated, high sediment supply shoreface of southern Namibia. <i>Marine Geology</i> , <b>2018</b> , 403, 34-47  | 3.3  | 10 |
| 54 | Geological constraints on mesoscale coastal barrier behaviour. <i>Global and Planetary Change</i> , <b>2018</b> , 168, 15-34  | 4.2  | 60 |
| 53 | The Provenance of Terrigenous Components in Marine Sediments Along the East Coast of Southern Africa. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 1946-1962   | 3.6  | 10 |
| 52 | 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> , <b>2018</b> , 38, 5-18                          | 1.9  | 27 |
| 51 | Rapid beachrock cementation on a South African beach: Linking morphodynamics and cement style. <i>Sedimentary Geology</i> , <b>2018</b> , 378, 13-18  | 2.8  | 13 |
| 50 | Sea-level change in southern Africa since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , <b>2018</b> , 201, 303-318  | 3.9  | 31 |

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|----|---|-----|----|
| 49 | 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> , <b>2017</b> , 193, 25-36  | 2.9 | 18 |
| 48 | Diatom-inferred hydrological changes and Holocene geomorphic transitioning of Africa's largest estuarine system, Lake St Lucia. <i>Estuarine, Coastal and Shelf Science</i> , <b>2017</b> , 192, 170-180  | 2.9 | 14 |
| 47 | Zambezi continental margin: compartmentalized sediment transfer routes to the abyssal Mozambique Channel. <i>Marine Geophysical Researches</i> , <b>2017</b> , 38, 227-240  | 2.3 | 24 |
| 46 | Beachrock morphology and genesis on a paraglacial beach. <i>Sedimentary Geology</i> , <b>2017</b> , 360, 47-53  | 2.8 | 8  |
| 45 | 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> , <b>2017</b> , 64, 73-86                                   | 4.2 | 2  |
| 44 | 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> , <b>2017</b> , 86, 798-811 | 4.7 | 8  |
| 43 | 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> , <b>2016</b> , 38, S65-S74   | 0.8 | 11 |
| 42 | Sandy barrier overstepping and preservation linked to rapid sea level rise and geological setting. <i>Marine Geology</i> , <b>2016</b> , 382, 80-91   | 3.3 | 39 |
| 41 | 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> , <b>2016</b> , 147, 97-105                               | 4.2 | 23 |
| 40 | Longshore Size Grading On A Boulder Beach. <i>Journal of Sedimentary Research</i> , <b>2016</b> , 86, 1123-1128   | 2.1 | 6  |
| 39 | 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> , <b>2016</b> , 172, 93-107   | 2.9 | 21 |
| 38 | Submerged shoreline preservation and ravinement during rapid postglacial sea-level rise and subsequent lowstand. <i>Bulletin of the Geological Society of America</i> , <b>2016</b> , 128, 1059-1069  | 3.9 | 33 |
| 37 | The stratigraphic evolution of a large back-barrier lagoon system with a non-migrating barrier. <i>Marine Geology</i> , <b>2016</b> , 379, 64-77  | 3.3 | 32 |
| 36 | Sedimentology and depositional architecture of a submarine delta-fan complex in the Durban Basin, South Africa. <i>Marine and Petroleum Geology</i> , <b>2016</b> , 78, 390-404   | 4.7 | 15 |
| 35 | Geomorphology and preservation potential of coastal and submerged aeolianite: Examples from KwaZulu-Natal, South Africa. <i>Geomorphology</i> , <b>2016</b> , 271, 1-12   | 4.3 | 19 |
| 34 | Seismic architecture, stratigraphy and evolution of a subtropical marine embayment: Maputo Bay, Mozambique. <i>Marine Geology</i> , <b>2015</b> , 369, 300-309  | 3.3 | 23 |
| 33 | Storm Swash Deposition On An Embayed Rock Coastline: Facies, Formative Mechanisms, and Preservation. <i>Journal of Sedimentary Research</i> , <b>2015</b> , 85, 1155-1165   | 2.1 | 7  |
| 32 | Beachrock: A tool for reconstructing relative sea level in the far-field. <i>Marine Geology</i> , <b>2015</b> , 362, 1-16   | 3.3 | 98 |

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|----|---|-----|----|
| 31 | Anomalous seafloor mounds in the northern Natal Valley, southwest Indian Ocean: Implications for the East African Rift System. <i>Tectonophysics</i> , <b>2014</b> , 630, 300-312   | 3.1 | 18 |
| 30 | Cliff-top storm deposits (55-63m amsl) from Morgan Bay, South Africa. <i>Journal of Coastal Research</i> , <b>2014</b> , 70, 349-353  | 0.6 | 1  |
| 29 | Investigation of CO2 storage potential of the Durban basin in South Africa. <i>Energy Procedia</i> , <b>2014</b> , 63, 5200-5210  | 2.3 | 5  |
| 28 | Beachrock facies variability and sea level implications: a preliminary study. <i>Journal of Coastal Research</i> , <b>2014</b> , 70, 736-742  | 0.6 | 12 |
| 27 | A preliminary classification of coastal sand dunes of KwaZulu-Natal. <i>Journal of Coastal Research</i> , <b>2014</b> , 70, 718-722   | 0.6 | 12 |
| 26 | A new pathway for Deep water exchange between the Natal Valley and Mozambique Basin?. <i>Geo-Marine Letters</i> , <b>2014</b> , 34, 525-540   | 1.9 | 13 |
| 25 | Geomorphic and stratigraphic signals of postglacial meltwater pulses on continental shelves. <i>Geology</i> , <b>2014</b> , 42, 151-154   | 5   | 53 |
| 24 | Formation and preservation of an overstepped segmented lagoon complex on a high-energy continental shelf. <i>Sedimentology</i> , <b>2013</b> , 60, 1755-1768  | 3.3 | 44 |
| 23 | Unusual Barrier/Inlet Behaviour Associated with Active Coastal Progradation and River-Dominated Estuaries. <i>Journal of Coastal Research</i> , <b>2013</b> , 69, 35-45   | 0.6 | 14 |
| 22 | Submerged barrier shoreline sequences on a high energy, steep and narrow shelf. <i>Marine Geology</i> , <b>2013</b> , 346, 366-374  | 3.3 | 51 |
| 21 | 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> , <b>2013</b> , 44, 60-70 | 4.7 | 23 |
| 20 | Spatial and temporal variations in incised valley systems from the Durban continental shelf, KwaZulu-Natal, South Africa. <i>Marine Geology</i> , <b>2013</b> , 335, 148-161  | 3.3 | 40 |
| 19 | Seasonal and episodic variability in the morphodynamics of an ephemeral inlet, Zinkwazi Estuary, South Africa. <i>Journal of Coastal Research</i> , <b>2013</b> , 65, 446-451   | 0.6 | 6  |
| 18 | Backbeach Deflation Aprons: Morphology and Sedimentology. <i>Journal of Sedimentary Research</i> , <b>2013</b> , 83, 395-405  | 2.1 | 5  |
| 17 | Vertical stacking of multiple highstand shoreline deposits from the Cretaceous to the present: facies development and preservation. <i>Journal of Coastal Research</i> , <b>2013</b> , 165, 1904-1908                               | 0.6 | 9  |
| 16 | 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> , <b>2012</b> , 49, 56-64                             | 2.4 | 6  |
| 15 | 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> , <b>2012</b> , 76, 27-33                 | 2.2 | 7  |
| 14 | Boulder emplacement on a tectonically stable, wave-dominated coastline, Mission Rocks, northern KwaZulu-Natal, South Africa. <i>Marine Geology</i> , <b>2012</b> , 323-325, 95-106  | 3.3 | 29 |

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|----|---|---------|----|
| 13 | Evolution of an incised valley coastal plain estuary under low sediment supply: a give-up estuary. <i>Sedimentology</i> , <b>2012</b> , 59, 899-916   | 3.3     | 32 |
| 12 | Number One Reef: An overstepped segmented lagoon complex on the KwaZulu-Natal continental shelf. <i>South African Journal of Science</i> , <b>2012</b> , 108,   | 1.3     | 2  |
| 11 | The late Cretaceous to Holocene sequence stratigraphy of a sheared passive upper continental margin, northern KwaZulu-Natal, South Africa. <i>Marine Geology</i> , <b>2011</b> , 289, 17-28                               | 3.3     | 28 |
| 10 | Submarine canyons associated with alternating sediment starvation and shelf-edge wedge development: Northern KwaZulu-Natal continental margin, South Africa. <i>Marine Geology</i> , <b>2011</b> , 284, 114-126           | 3.3     | 20 |
| 9  | 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> , <b>2011</b> , 60, 303-314             | 2.2     | 30 |
| 8  | 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> , <b>2009</b> , 29, 201-219                              | 1.9     | 27 |
| 7  | 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> , <b>2009</b> , 263, 46-63      | 3.3     | 80 |
| 6  | 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> , <b>2008</b> , 28, 2442-2449 | 2.4     | 17 |
| 5  | Submarine landsliding and canyon evolution on the northern KwaZulu-Natal continental shelf, South Africa, SW Indian Ocean. <i>Marine Geology</i> , <b>2008</b> , 254, 152-170   | 3.3     | 49 |
| 4  | Geomorphological evidence for upslope canyon-forming processes on the northern KwaZulu-Natal shelf, SW Indian Ocean, South Africa. <i>Geo-Marine Letters</i> , <b>2007</b> , 27, 399-409                                  | 1.9     | 39 |
| 3  | WIND CHARACTERISTICS AND BLOWOUT FORMATION NEAR MABIBI, NORTHERN KWAZULU-NATAL. <i>Southern African Geographical Journal</i> , <b>2004</b> , 86, 104-112  | 1.6     |    |
| 2  | 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> ,                                 | 3.3     | 1  |
| 1  | Environmental change during the Pleistocene and Holocene: Estuaries and lagoons of southern Africa  | 219-233 | 6  |