Michael C Grenfell

List of Publications by Year
in descending order

21	416	759233 12	794594 19
papers	citations	h-index	g-index

21	21	21	357
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chute channel dynamics in large, sandâ€bed meandering rivers. Earth Surface Processes and Landforms, 2012, 37, 315-331.	2.5	76
2	Mediative adjustment of river dynamics: The role of chute channels in tropical sand-bed meandering rivers. Sedimentary Geology, 2014, 301, 93-106.	2.1	49
3	Fluvial connectivity and climate: A comparison of channel pattern and process in two climatically contrasting fluvial sedimentary systems in South Africa. Geomorphology, 2014, 205, 142-154.	2.6	46
4	Tributary valley impoundment by trunk river floodplain development: a case study from the KwaZuluâ€Natal Drakensberg foothills, eastern South Africa. Earth Surface Processes and Landforms, 2008, 33, 2029-2044.	2.5	32
5	Geomorphology and dynamics of the Mfolozi River floodplain, KwaZulu-Natal, South Africa. Geomorphology, 2009, 107, 226-240.	2.6	29
6	A Genetic Geomorphic Classification System for Southern African Palustrine Wetlands: Global Implications for the Management of Wetlands in Drylands. Frontiers in Environmental Science, 2019, 7, .	3.3	27
7	Valley morphology and sediment cascades within a wetland system in the KwaZulu-Natal Drakensberg Foothills, Eastern South Africa. Catena, 2009, 78, 20-35.	5.0	25
8	Peat formation in the context of the development of the Mkuze floodplain on the coastal plain of Maputaland, South Africa. Geomorphology, 2012, 141-142, 11-20.	2.6	21
9	Sedimentary facies and geomorphic evolution of a blocked-valley lake: Lake Futululu, northern Kwazulu-Natal, South Africa. Sedimentology, 2010, 57, 1159.	3.1	20
10	Morphodynamics of a gully and floodout system in the Sneeuberg Mountains of the semi-arid Karoo, South Africa: Implications for local landscape connectivity. Catena, 2012, 89, 8-21.	5.0	17
11	Will a rising sea sink some estuarine wetland ecosystems?. Science of the Total Environment, 2016, 554-555, 276-292.	8.0	15
12	Chute cutoff-driven abandonment and sedimentation of meander bends along a fine-grained, non-vegetated, ephemeral river on the Bolivian Altiplano. Geomorphology, 2020, 350, 106917.	2.6	14
13	Effects of land use change on streamflow and stream water quality of a coastal catchment. Water S A, 2017, 43, 139.	0.4	13
14	Wetlands in southern Africa. , 2016, , 188-202.		6
15	Ecosystem engineering by hummockâ€building earthworms in seasonal wetlands of eastern South Africa: Insights into the mechanics of biomorphodynamic feedbacks in wetland ecosystems. Earth Surface Processes and Landforms, 2019, 44, 354-366.	2.5	6
16	Morphodynamic modelling of dryland non-perennial riverscapes, with implications for environmental water allocation. Progress in Physical Geography, 2021, 45, 757-788.	3.2	6
17	Influence of landscape moisture sources and topography on rock weathering patterns associated with wildfire. Earth Surface Processes and Landforms, 2022, 47, 1761-1777.	2.5	5
18	Analysis and conceptual geospatial modelling of the intermediary role of wetlands in drylands in post-fire material flux dynamics, Silvermine River catchment, Cape Town. Wetlands Ecology and Management, 2022, 30, 623-645.	1.5	4

#	Article	IF	Citations
19	The wetlands. , 0, , 95-112.		2
20	The effectiveness of riparian zones in mitigating water quality impacts in an agriculturally dominated river system in South Africa. African Journal of Aquatic Science, 2020, 45, 336-349.	1.1	2
21	Spectral classification, mapping and physical habitat implications of a riparian invasion by Tamarix ramosissima Ledeb. in the Touws River, Klein Karoo, South Africa. African Journal of Aquatic Science, 2022, 47, 197-206.	1.1	1