

Roderick W Brown

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,844
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1310
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraining Plateau Uplift in Southern Africa by Combining Thermochronology, Sediment Flux, Topography, and Landscape Evolution Modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021243.	3.4	14
2	Reply to: Thermal history solutions from thermochronology must be governed by geological relationships: A comment on Jess et al. (2019). <i>Geomorphology</i> , 2020, 360, 106971.	2.6	6
3	Growth zoning of garnet porphyroblasts: Grain boundary and microtopographic controls. <i>Journal of Metamorphic Geology</i> , 2020, 38, 1011-1027.	3.4	4
4	Differential erosion of a Mesozoic rift flank: Establishing the source of topography across Karrat, central West Greenland. <i>Geomorphology</i> , 2019, 334, 138-150.	2.6	12
5	The source of topography across the Cumberland Peninsula, Baffin Island, Arctic Canada: differential exhumation of a North Atlantic rift flank. <i>Journal of the Geological Society</i> , 2019, 176, 1093-1106.	2.1	3
6	Evolution of the central West Greenland margin and the Nuussuaq Basin: Localised basin uplift along a stable continental margin proposed from thermochronological data. <i>Basin Research</i> , 2018, 30, 1230-1246.	2.7	18
7	Contrasting Mesozoic evolution across the boundary between on and off craton regions of the South African plateau inferred from apatite fission track and (U-Th)/He thermochronology. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1517-1547.	3.4	32
8	The chronology and tectonic style of landscape evolution along the elevated Atlantic continental margin of South Africa resolved by joint apatite fission track and (U-Th)/He thermochronology. <i>Tectonics</i> , 2016, 35, 511-545.	2.8	85
9	Post break-up tectonic inversion across the southwestern cape of South Africa: New insights from apatite and zircon fission track thermochronometry. <i>Tectonophysics</i> , 2015, 654, 30-55.	2.2	64
10	Intracontinental deformation in southern Africa during the Late Cretaceous. <i>Journal of African Earth Sciences</i> , 2014, 100, 20-41.	2.0	51
11	Natural age dispersion arising from the analysis of broken crystals. Part I: Theoretical basis and implications for the apatite (U-Th)/He thermochronometer. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 478-497.	3.9	184
12	Natural age dispersion arising from the analysis of broken crystals: Part II. Practical application to apatite (U-Th)/He thermochronometry. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 395-416.	3.9	60
13	Linking source and sink: Evaluating the balance between onshore erosion and offshore sediment accumulation since Gondwana break-up, South Africa. <i>Tectonophysics</i> , 2008, 455, 94-103.	2.2	101
14	Modeling postbreakup landscape development and denudational history across the southeast African (Drakensberg Escarpment) margin. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 11-1-ETG 11-18.	3.3	116
15	Denudational history along a transect across the Drakensberg Escarpment of southern Africa derived from apatite fission track thermochronology. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 10-1-ETG 10-18.	3.3	145
16	Late Cretaceous reactivation of major crustal shear zones in northern Namibia: constraints from apatite fission track analysis. <i>Tectonophysics</i> , 2002, 349, 75-92.	2.2	94
17	Denudation and uplift at passive margins: the record on the Atlantic Margin of southern Africa. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 835-859.	3.4	106
18	FISSION TRACK ANALYSIS AND ITS APPLICATIONS TO GEOLOGICAL PROBLEMS. <i>Annual Review of Earth and Planetary Sciences</i> , 1998, 26, 519-572.	11.0	578

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19	The onshore record of passive margin evolution. <i>Journal of the Geological Society</i> , 1997, 154, 451-457.	2.1	120
20	A quantitative assessment of the effects of magmatism on the thermal history of the Karoo sedimentary sequence. <i>Journal of African Earth Sciences</i> , 1994, 18, 227-243.	2.0	51