Roderick W Brown

List of Publications by Year
in descending order

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	FISSION TRACK ANALYSIS AND ITS APPLICATIONS TO GEOLOGICAL PROBLEMS. Annual Review of Earth and Planetary Sciences, 1998, 26, 519-572.	11.0	578
2	Natural age dispersion arising from the analysis of broken crystals. Part I: Theoretical basis and implications for the apatite (Uâ€“Th)/He thermochronometer. Geochimica Et Cosmochimica Acta, 2013, 122, 478-497.	3.9	184
3	Denudational history along a transect across the Drakensberg Escarpment of southern Africa derived from apatite fission track thermochronology. Journal of Geophysical Research, 2002, 107, ETG 10-1-ETG 10-18.	3.3	145
4	The onshore record of passive margin evolution. Journal of the Geological Society, 1997, 154, 451-457.	2.1	120
5	Modeling postbreakup landscape development and denudational history across the southeast African (Drakensberg Escarpment) margin. Journal of Geophysical Research, 2002, 107, ETG 11-1-ETG 11-18.	3.3	116
6	Denudation and uplift at passive margins: the record on the Atlantic Margin of southern Africa. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 835-859.	3.4	106
7	Linking source and sink: Evaluating the balance between onshore erosion and offshore sediment accumulation since Gondwana break-up, South Africa. Tectonophysics, 2008, 455, 94-103.	2.2	101
8	Late Cretaceous reactivation of major crustal shear zones in northern Namibia: constraints from apatite fission track analysis. Tectonophysics, 2002, 349, 75-92.	2.2	94
9	The chronology and tectonic style of landscape evolution along the elevated Atlantic continental margin of South Africa resolved by joint apatite fission track and (Uâ€Thâ€Sm)/He thermochronology. Tectonics, 2016, 35, 511-545.	2.8	85
10	Post break-up tectonic inversion across the southwestern cape of South Africa: New insights from apatite and zircon fission track thermochronometry. Tectonophysics, 2015, 654, 30-55.	2.2	64
11	Natural age dispersion arising from the analysis of broken crystals: Part II. Practical application to apatite (Uâ€“Th)/He thermochronometry. Geochimica Et Cosmochimica Acta, 2013, 120, 395-416.	3.9	60
12	A quantitative assessment of the effects of magmatism on the thermal history of the Karoo sedimentary sequence. Journal of African Earth Sciences, 1994, 18, 227-243.	2.0	51
13	Intracontinental deformation in southern Africa during the Late Cretaceous. Journal of African Earth Sciences, 2014, 100, 20-41.	2.0	51
14	Contrasting Mesozoic evolution across the boundary between on and off craton regions of the South African plateau inferred from apatite fission track and (Uâ€Thâ€Sm)/He thermochronology. Journal of Geophysical Research: Solid Earth, 2017, 122, 1517-1547.	3.4	32
15	Evolution of the central West Greenland margin and the Nuussuaq Basin: Localised basin uplift along a stable continental margin proposed from thermochronological data. Basin Research, 2018, 30, 1230-1246.	2.7	18
16	Constraining Plateau Uplift in Southern Africa by Combining Thermochronology, Sediment Flux, Topography, and Landscape Evolution Modeling. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021243.	3.4	14
17	Differential erosion of a Mesozoic rift flank: Establishing the source of topography across Karrat, central West Greenland. Geomorphology, 2019, 334, 138-150.	2.6	12
18	Reply to: Thermal history solutions from thermochronology must be governed by geological relationships: A comment on Jess et al. (2019). Geomorphology, 2020, 360, 106971.	2.6	6

#	Article	IF	Citations
19	Growth zoning of garnet porphyroblasts: Grain boundary and microtopographic controls. Journal of Metamorphic Geology, 2020, 38, 1011-1027.	3.4	4
20	The source of topography across the Cumberland Peninsula, Baffin Island, Arctic Canada: differential exhumation of a North Atlantic rift flank. Journal of the Geological Society, 2019, 176, 1093-1106.	2.1	3