

Dallas Abbott

List of Publications by Citations

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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.

34
papers

1,256
citations

17
h-index

35
g-index

36
ext. papers

1,365
ext. citations

4.6
avg, IF

4
L-index

#	Paper	IF	Citations
34	An empirical thermal history of the Earth's upper mantle. <i>Journal of Geophysical Research</i> , 1994 , 99, 13835-13850	5.0	100
33	Precambrian superplumes and supercontinents: a record in black shales, carbon isotopes, and paleoclimates?. <i>Precambrian Research</i> , 2001 , 106, 239-260	3.9	191
32	The intensity, occurrence, and duration of superplume events and eras over geological time. <i>Journal of Geodynamics</i> , 2002 , 34, 265-307	2.2	103
31	Flat to steep transition in subduction style. <i>Geology</i> , 1994 , 22, 937	5	84
30	The structural and geochemical evolution of the continental crust: Support for the oceanic plateau model of continental growth. <i>Reviews of Geophysics</i> , 1995 , 33, 231	23.1	69
29	Continents as lithological icebergs: the importance of buoyant lithospheric roots. <i>Earth and Planetary Science Letters</i> , 1997 , 149, 15-27	5.3	60
28	Implications of the Temporal Distribution of High-Mg Magmas for Mantle Plume Volcanism through Time. <i>Journal of Geology</i> , 2002 , 110, 141-158	2	59
27	Anomalous heat flow in the northwest Atlantic: A case for continued hydrothermal circulation in 80-M.Y. crust. <i>Journal of Geophysical Research</i> , 1983 , 88, 1067		54
26	Extraterrestrial influences on mantle plume activity. <i>Earth and Planetary Science Letters</i> , 2002 , 205, 53-63	3.3	51
25	Influence of the tectosphere upon plate motion. <i>Journal of Geophysical Research</i> , 1996 , 101, 5425-5433		37
24	Geologic evidence for a mantle superplume event at 1.9 Ga. <i>Geochemistry, Geophysics, Geosystems</i> , 2000 , 1, n/a-n/a	3.6	35
23	The case for accretion of the tectosphere by buoyant subduction. <i>Geophysical Research Letters</i> , 1991 , 18, 585-588	4.9	35
22	Length of the global plate boundary at 2.4 Ga. <i>Geology</i> , 1990 , 18, 58	5	31
21	Cold Cratonic Roots and Thermal Blankets: How Continents Affect Mantle Convection. <i>International Geology Review</i> , 2003 , 45, 479-496	2.3	27
20	Quantifying Precambrian crustal extraction: the root is the answer. <i>Tectonophysics</i> , 2000 , 322, 163-190	3.1	27
19	Age of oceanic plates at subduction and volatile recycling. <i>Geophysical Research Letters</i> , 1984 , 11, 951-954	4.9	26
18	Evidence for excess pore pressures in southwest Indian Ocean sediments. <i>Journal of Geophysical Research</i> , 1981 , 86, 1813		21

17	Heat flow measurements on a hydrothermally-active, slow-spreading ridge: The Escanaba Trough. <i>Geophysical Research Letters</i> , 1986 , 13, 678-680	4.9	17
16	Crustal Heating and Lithospheric Alteration and Erosion Associated With Asthenospheric Upwelling Beneath Southern New England (USA). <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 8995-9008	3.6	16
15	Archaean plate tectonics revisited 2. Paleo-sea level changes, continental area, oceanic heat loss and the area-age distribution of the ocean basins. <i>Tectonics</i> , 1984 , 3, 709-722	4.3	15
14	Tectonically controlled origin of three unusual rock suites in the Woodlark Basin. <i>Tectonics</i> , 1986 , 5, 1145-1160	4.3	15
13	Paleobathymetry and Sediments of the Indian Ocean 1977 , 25-59		15
12	Has the Wharton Basin's Heat flow been perturbed by the formation of a diffuse plate boundary in the Indian Ocean?. <i>Geophysical Research Letters</i> , 1988 , 15, 455-458	4.9	11
11	Correlated sediment thickness, temperature gradient and excess pore pressure in a marine fault block basin. <i>Geophysical Research Letters</i> , 1984 , 11, 485-488	4.9	11
10	Subduction obstruction and the crack-up of the Pacific plate. <i>Geology</i> , 1998 , 26, 795	5	8
9	Scientific Rationale for Establishing Long-Term Ocean Bottom Observatory/Laboratory Systems 1987 , 389-411		8
8	Gravity signatures of terrane accretion. <i>Lithos</i> , 1999 , 46, 5-15	2.9	7
7	New historical records and relationships among 14C production rates, abundance and color of low latitude auroras and sunspot abundance. <i>Advances in Space Research</i> , 2016 , 58, 2181-2246	2.4	5
6	Increased mantle convection during the mid-Cretaceous: A comparative study of mantle potential temperature. <i>Journal of Geophysical Research</i> , 1996 , 101, 8673-8684		5
5	Tsunami geology and its role in hazard mitigation. <i>Eos</i> , 2005 , 86, 400	1.5	2
4	Oceanic upwelling and mantle-plume activity: Paleomagnetic tests of ideas on the source of the Fe in early Precambrian iron formations 2001 ,		2
3	Impacts, mega-tsunami, and other extraordinary claims: COMMENT. <i>GSA Today</i> , 2008 , e12-e12	2.8	2
2	Using magnetic susceptibility to find Precambrian impact ejecta: A proposal. <i>Gondwana Research</i> , 2007 , 12, 571-575	5.1	1
1	Reply to Comment on Extraterrestrial influences on mantle plume activity by Andrew Glikson. <i>Earth and Planetary Science Letters</i> , 2003 , 215, 429-432	5.3	1