

Adrian P Jones

List of Publications by Year in descending order

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51
papers

2,376
citations

186265
28
h-index

206112
48
g-index

51
all docs

51
docs citations

51
times ranked

1960
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ measurement of viscosity and density of carbonate melts at high pressure. <i>Earth and Planetary Science Letters</i> , 1996, 143, 207-215.	4.4	201
2	Physical basis of colors seen in Congo red-stained amyloid in polarized light. <i>Laboratory Investigation</i> , 2008, 88, 232-242.	3.7	146
3	Co-existing fluid and silicate inclusions in mantle diamond. <i>Earth and Planetary Science Letters</i> , 2006, 250, 581-595.	4.4	141
4	Impact induced melting and the development of large igneous provinces. <i>Earth and Planetary Science Letters</i> , 2002, 202, 551-561.	4.4	126
5	Mantle Metasomatism in 14 Veined Peridotites from Bultfontein Mine, South Africa. <i>Journal of Geology</i> , 1982, 90, 435-453.	1.4	116
6	Silicate-Carbonate Immiscibility at Oldoinyo Lengai. <i>Journal of Petrology</i> , 1995, 36, 869-889.	2.8	102
7	In situ measurement of viscosity of liquids in the Fe-FeS system at high pressures and temperatures. <i>American Mineralogist</i> , 2000, 85, 1838-1842.	1.9	101
8	An infrared and Raman study of carbonate glasses: implications for the structure of carbonatite magmas. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 927-937.	3.9	99
9	Molecular dynamics simulations of CaCO ₃ melts to mantle pressures and temperatures: implications for carbonatite magmas. <i>Earth and Planetary Science Letters</i> , 1995, 131, 225-238.	4.4	89
10	Metamorphism, Partial Melting, and K-Metasomatism of Garnet-Scapolite-Kyanite Granulite Xenoliths from Lashaine, Tanzania. <i>Journal of Geology</i> , 1983, 91, 143-165.	1.4	70
11	Geochemistry and Sr- ⁸⁷ Sr/ ⁸⁶ Sr and Nd isotopic compositions of mantle xenoliths from the Monte Vulture carbonatite-melilitite volcano, central southern Italy. <i>Contributions To Mineralogy and Petrology</i> , 2002, 144, 78-92.	3.1	69
12	Lascar Volcano, Northern Chile; Evidence for Steady-State Disequilibrium. <i>Journal of Petrology</i> , 1994, 35, 401-432.	2.8	65
13	Synthesis of cubic diamond in the graphite-magnesium carbonate and graphite-K ₂ Mg(CO ₃) ₂ systems at high pressure of 9-10 GPa region. <i>Journal of Materials Research</i> , 1996, 11, 2622-2632.	2.6	62
14	Petrography and mineral chemistry of mantle xenoliths in a carbonate-rich melilititic tuff from Mt. Vulture volcano, southern Italy. <i>Mineralogical Magazine</i> , 2000, 64, 593-613.	1.4	60
15	Trace element compositions of submicroscopic inclusions in coated diamond: A tool for understanding diamond petrogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4719-4732.	3.9	56
16	Glasses in Mantle Xenoliths from Olmani, Tanzania. <i>Journal of Geology</i> , 1983, 91, 167-178.	1.4	55
17	Zirconium-bearing aegirines from Motzfeldt, South Greenland. <i>Contributions To Mineralogy and Petrology</i> , 1981, 75, 251-255.	3.1	46
18	Intrusive calcite-carbonatite occurrence from Mt. Vulture volcano, southern Italy. <i>Mineralogical Magazine</i> , 2000, 64, 615-624.	1.4	46

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19	Quantifying strain birefringence halos around inclusions in diamond. Contributions To Mineralogy and Petrology, 2010, 160, 705-717.	3.1	45
20	Evidence for aqueous fluidâ€sediment transport and erosional processes on Venus. Journal of the Geological Society, 2003, 160, 319-327.	2.1	42
21	Low-temperature glass quenched from a synthetic, rare earth carbonatite; implications for the origin of the Mountain Pass Deposit, California. Economic Geology, 1983, 78, 1721-1723.	3.8	40
22	⁸⁷ Sr/ ⁸⁶ Sr in kimberlitic carbonates by ion microprobe: Hydrothermal alteration, crustal contamination and relation to carbonatite. Contributions To Mineralogy and Petrology, 1983, 83, 288-292.	3.1	33
23	MicroRaman spectroscopy of diamond and graphite in Almahata Sitta and comparison with other ureilites. Meteoritics and Planetary Science, 2011, 46, 364-378.	1.6	32
24	Igneous stratigraphy and internal structure of the Little Minch Sill Complex, Trotternish Peninsula, northern Skye, Scotland. Geological Magazine, 1991, 128, 51-66.	1.5	30
25	Meteorite Impacts as Triggers to Large Igneous Provinces. Elements, 2005, 1, 277-281.	0.5	30
26	A comparative study of endolithic microborings in basaltic lavas from a transitional subglacialâ€marine environment. International Journal of Astrobiology, 2009, 8, 37-49.	1.6	30
27	Structural characterization of natural diamond shocked to 60 GPa; implications for Earth and planetary systems. Lithos, 2016, 265, 214-221.	1.4	30
28	Minor elements in perovskite from kimberlites and distribution of the rare earth elements: An electron probe study. Earth and Planetary Science Letters, 1984, 69, 128-140.	4.4	29
29	Quantitative characterization of plastic deformation of single diamond crystals: A high pressure high temperature (HPHT) experimental deformation study combined with electron backscatter diffraction (EBSD). Diamond and Related Materials, 2012, 30, 20-30.	3.9	29
30	Peridotitic and websteritic diamondites provide new information regarding mantle melting and metasomatism induced through the subduction of crustal volatiles. Geochimica Et Cosmochimica Acta, 2013, 107, 1-11.	3.9	29
31	Mafic silicates from the nepheline syenites of the Motzfeldt centre, South Greenland. Mineralogical Magazine, 1984, 48, 1-12.	1.4	28
32	Salt-bearing fumarole deposits in the summit crater of Oldoinyo Lengai, Northern Tanzania: interactions between natrocarbonatite lava and meteoric water. Journal of Volcanology and Geothermal Research, 2001, 106, 111-122.	2.1	28
33	Laboratory impact experiments versus natural impact events. , 2002, , .		26
34	Buffering of melt oxygen fugacity by sulphur redox reactions in calc-alkaline magmas. Journal of the Geological Society, 1994, 151, 815-823.	2.1	24
35	Quantifying hexagonal stacking in diamond. Scientific Reports, 2019, 9, 10334.	3.3	24
36	A simple magma-mixing model for sulphur behaviour in calc-alkaline volcanic rocks: mineralogical evidence from Mount Pinatubo 1991 eruption. Journal of the Geological Society, 1992, 149, 863-866.	2.1	23

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37	Paragenetic Trends of Oxide Minerals in Carbonate-rich Kimberlites, with New Analyses from the Benfontein Sill, South Africa. <i>Journal of Petrology</i> , 1985, 26, 210-222.	2.8	19
38	Primary baddeleyite (ZrO ₂) in kimberlite from Benfontein, South Africa. <i>Mineralogical Magazine</i> , 1984, 48, 257-261.	1.4	18
39	Petrological Significance of Mineral Chemistry in the Agathla Peak and the Thumb Minettes, Navajo Volcanic Field. <i>Journal of Geology</i> , 1983, 91, 643-656.	1.4	16
40	Cathodoluminescence Petrography of Middle Proterozoic extrusive carbonatite from Qasiarsuk, South Greenland. <i>Mineralogical Magazine</i> , 1991, 55, 591-603.	1.4	15
41	Quartz-bearing C ⁶⁰ fluid inclusions diamond: Retracing the pressure-temperature path in the mantle using calibrated high temperature IR spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 6030-6039.	3.9	15
42	Nyerereite from carbonatite rocks at Vulture volcano: implications for mantle metasomatism and petrogenesis of alkali carbonate melts Research Article. <i>Open Geosciences</i> , 2009, 1, .	1.7	15
43	Astrobiological Considerations for the Selection of the Geological Filters on the ExoMars PanCam Instrument. <i>Astrobiology</i> , 2010, 10, 933-951.	3.0	15
44	Characteristics of HPHT diamond grown at sub-lithosphere conditions (10-20GPa). <i>Diamond and Related Materials</i> , 2011, 20, 11-17.	3.9	12
45	Impact Decompression Melting: A Possible Trigger for Impact Induced Volcanism and Mantle Hotspots ?. <i>Impact Studies</i> , 2003, , 91-119.	0.5	11
46	Hollow natrocarbonatite lapilli from the 1992 eruption of Oldoinyo Lengai, Tanzania. <i>Journal of the Geological Society</i> , 1994, 151, 59-63.	2.1	11
47	Comment on physical properties of carbonatite magmas inferred from molten salt data, and application to extraction patterns from carbonatite-silicate magma chambers. <i>Geological Magazine</i> , 1995, 132, 121-121.	1.5	9
48	Evidence for Kinetic Effects on Shock Wave Propagation in Tectosilicates. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	8
49	Carbonatitic Melts and Their Role in Diamond Formation in the Deep Earth. <i>Elements</i> , 2021, 17, 321-326.	0.5	7
50	Carbonatite Thematic Set. <i>Mineralogical Magazine</i> , 2000, 64, 581-582.	1.4	3
51	A miniclave for experiments up to 4 kbar and 1200 °C used to study REE-carbonate glasses. <i>Mineralogical Magazine</i> , 1988, 52, 57-61.	1.4	0