

David W Peate

List of Publications by Year in descending order

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59
papers

4,975
citations

136950

32
h-index

138484

58
g-index

59
all docs

59
docs citations

59
times ranked

5032
citing authors

#	ARTICLE	IF	CITATIONS
1	LIP printing: Use of immobile element proxies to characterize Large Igneous Provinces in the geologic record. <i>Lithos</i> , 2021, 392-393, 106068.	1.4	64
2	Reconstructing the plumbing system of an off-rift primitive alkaline tuya (Vatnafell, Iceland) using geothermobarometry and CSDs. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 399, 106914.	2.1	7
3	Animal mobility in Chalcolithic Portugal: Isotopic analyses of cattle from the sites of Zambujal and Leceia. <i>Journal of Archaeological Science: Reports</i> , 2019, 24, 804-814.	0.5	4
4	Evaluation of a Portable Aerosol Collector and Spectrometer to measure particle concentration by composition and size. <i>Aerosol Science and Technology</i> , 2019, 53, 675-687.	3.1	4
5	Petrology and geochemistry of the 2014–2015 Holuhraun eruption, central Iceland: compositional and mineralogical characteristics, temporal variability and magma storage. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	38
6	Estimating groundwater age in the Cambrian–Ordovician aquifer in Iowa: implications for biofuel production and other water uses. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	8
7	Crustally derived granites in Dali, SW China: new constraints on silicic magmatism of the Central Emeishan Large Igneous Province. <i>International Journal of Earth Sciences</i> , 2017, 106, 2503-2525.	1.8	10
8	Diet and mobility patterns in the Late Prehistory of central Iberia (4000–1400 cal bc): the evidence of radiogenic ($^{87}\text{Sr}/^{86}\text{Sr}$) and stable (^{18}O , ^{13}C) isotope ratios. <i>Archaeological and Anthropological Sciences</i> , 2017, 9, 1439-1452.	1.8	34
9	^{210}Pb - ^{226}Ra disequilibria in young gas-laden magmas. <i>Scientific Reports</i> , 2017, 7, 45186.	3.3	9
10	Un enterramiento colectivo en cueva del III milenio AC en el centro de la Península Ibérica: el Rebollosillo (Torrelaguna, Madrid). <i>Trabajos De Prehistoria</i> , 2017, 74, 68.	0.7	8
11	“Teaching What I Learned”™: Exploring students’ Earth and Space Science learning experiences in secondary school with a particular focus on their comprehension of the concept of “geologic time”™. <i>International Journal of Science Education</i> , 2015, 37, 1436-1453.	1.9	6
12	Formation of low- ^{18}O magmas of the Kangerlussuaq Intrusion by addition of water derived from dehydration of foundered basaltic roof rocks. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	3.1	6
13	Mining unique soft old water within the Manson Impact Structure, Iowa (USA). <i>Hydrogeology Journal</i> , 2015, 23, 95-103.	2.1	3
14	In search of homelands: using strontium isotopes to identify biological markers of mobility in late prehistoric Portugal. <i>Journal of Archaeological Science</i> , 2014, 42, 119-127.	2.4	59
15	Transport of Gold Nanoparticles through Plasmodesmata and Precipitation of Gold Ions in Woody Poplar. <i>Environmental Science and Technology Letters</i> , 2014, 1, 146-151.	8.7	188
16	Petrogenesis of mafic–silicic lavas at Mt. Erciyes, central Anatolia, Turkey. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 256, 16-28.	2.1	8
17	Late Quaternary tephrostratigraphy of Baegdusan and Ulleung Volcanoes using marine sediments in the Japan Sea/East Sea. <i>Quaternary Research</i> , 2013, 80, 76-87.	1.7	29
18	The geology of the southern Mariana fore-arc crust: Implications for the scale of Eocene volcanism in the western Pacific. <i>Earth and Planetary Science Letters</i> , 2013, 380, 41-51.	4.4	116

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19	Effects of Eyjafjallajökull Volcanic Ash on Innate Immune System Responses and Bacterial Growth <i>in Vitro</i> . <i>Environmental Health Perspectives</i> , 2013, 121, 691-698.	6.0	29
20	Petrogenesis of High-MgO Lavas of the Lower Mull Plateau Group, Scotland: Insights from Melt Inclusions. <i>Journal of Petrology</i> , 2012, 53, 1867-1886.	2.8	11
21	Textural and mineralogical diversity of compositionally homogeneous dacites from the summit of Mt. Erciyes, Central Anatolia, Turkey. <i>Lithos</i> , 2011, 127, 387-400.	1.4	11
22	An Investigation into the Nature of the Magmatic Plumbing System at Paricutin Volcano, Mexico. <i>Journal of Petrology</i> , 2011, 52, 2187-2220.	2.8	36
23	A 5 million year record of compositional variations in mantle sources to magmatism on Santiago, southern Cape Verde archipelago. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 133-154.	3.1	23
24	The largest volcanic eruptions on Earth. <i>Earth-Science Reviews</i> , 2010, 102, 207-229.	9.1	251
25	Sea-Level Highstand 81,000 Years Ago in Mallorca. <i>Science</i> , 2010, 327, 860-863.	12.6	134
26	Fore-arc basalts and subduction initiation in the Izu-Bonin-Mariana system. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	589
27	Geochemical Stratigraphy of Submarine Lavas (3–5 Ma) from the Flamengos Valley, Santiago, Southern Cape Verde Islands. <i>Journal of Petrology</i> , 2009, 50, 169-193.	2.8	33
28	Historic magmatism on the Reykjanes Peninsula, Iceland: a snap-shot of melt generation at a ridge segment. <i>Contributions To Mineralogy and Petrology</i> , 2009, 157, 359-382.	3.1	63
29	Pb isotope variations in hydrogenetic Fe–Mn crusts from the Izu-Bonin fore-arc. <i>Chemical Geology</i> , 2009, 258, 288-298.	3.3	8
30	A micro-scale investigation of melt production and extraction in the upper mantle based on silicate melt pockets in ultramafic xenoliths from the Bakony-Balaton Highland Volcanic Field (Western Tj ETQq0 0 0 rgBT /Overlook 10 Tf 50		
31	Temporal variations in crustal assimilation of magma suites in the East Greenland flood basalt province: Tracking the evolution of magmatic plumbing systems. <i>Lithos</i> , 2008, 102, 179-197.	1.4	35
32	Temporal evolution of a long-lived syenitic centre: The Kangerlussuaq Alkaline Complex, East Greenland. <i>Lithos</i> , 2006, 92, 276-299.	1.4	20
33	Interaction of the rifting East Greenland margin with a zoned ancestral Iceland plume. <i>Geology</i> , 2006, 34, 481.	4.4	20
34	Volcanic stratigraphy of large-volume silicic pyroclastic eruptions during Oligocene Afro-Arabian flood volcanism in Yemen. <i>Bulletin of Volcanology</i> , 2005, 68, 135-156.	3.0	52
35	Reply to the: Comment on “Pb isotopic analysis of standards and samples using a 207Pb–204Pb double spike and thallium to correct for mass bias with a double focusing MC-ICP-MS” by Baker et al.. <i>Chemical Geology</i> , 2005, 217, 175-179.	3.3	20
36	U series disequilibria: Insights into mantle melting and the timescales of magma differentiation. <i>Reviews of Geophysics</i> , 2005, 43, .	23.0	50

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37	Isotope Dilution MC-ICP-MS Rare Earth Element Analysis of Geochemical Reference Materials NIST SRM 610, NIST SRM 612, NIST SRM 614, BHVO-2G, BHVO-2, BCR-2G, JB-2, WS-E, W-2, AGV-1 and AGV-2. <i>Geostandards and Geoanalytical Research</i> , 2004, 28, 417-429.	1.9	71
38	Magma plumbing systems in large igneous provinces: Inferences from cyclical variations in Palaeogene East Greenland basalts. <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 438-452.	3.1	30
39	Pb isotopic analysis of standards and samples using a ^{207}Pb – ^{204}Pb double spike and thallium to correct for mass bias with a double-focusing MC-ICP-MS. <i>Chemical Geology</i> , 2004, 211, 275-303.	3.3	788
40	Pb isotope evidence for contributions from different Iceland mantle components to Palaeogene East Greenland flood basalts. <i>Lithos</i> , 2003, 67, 39-52.	1.4	27
41	High Precision Ru, Pd, Ir, Pt, Re and REE Determinations in the Stevns Klint Cretaceous-Tertiary Boundary Reference Material (FC-1) by Isotope Dilution Multiple Collector Inductively Coupled Plasma-Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , 2003, 27, 59-66.	3.1	14
42	Crystallisation ages in coeval silicic magma bodies: ^{238}U – ^{230}Th disequilibrium evidence from the Rotoiti and Earthquake Flat eruption deposits, Taupo Volcanic Zone, New Zealand. <i>Earth and Planetary Science Letters</i> , 2003, 206, 441-457.	4.4	94
43	Chlorine in submarine glasses from the Lau Basin: seawater contamination and constraints on the composition of slab-derived fluids. <i>Earth and Planetary Science Letters</i> , 2002, 202, 361-377.	4.4	142
44	Sr isotope ratio measurements by double-focusing MC-ICPMS: techniques, observations and pitfalls. <i>International Journal of Mass Spectrometry</i> , 2002, 221, 229-244.	1.5	150
45	Pitfalls in ^{230}Th – ^{238}U dating of young Quaternary volcanic rocks. <i>Quaternary Science Reviews</i> , 2001, 20, 1927-1933.	3.0	6
46	^{238}U – ^{230}Th constraints on mantle upwelling and plume–ridge interaction along the Reykjanes Ridge. <i>Earth and Planetary Science Letters</i> , 2001, 187, 259-272.	4.4	53
47	The First Dated Eemian Lacustrine Deposit in Romania. <i>Quaternary Research</i> , 2001, 56, 62-65.	1.7	3
48	U-series Isotope Data on Lau Basin Glasses: the Role of Subduction-related Fluids during Melt Generation in Back-arc Basins. <i>Journal of Petrology</i> , 2001, 42, 1449-1470.	2.8	94
49	Early Cretaceous Basaltic and Rhyolitic Magmatism in Southern Uruguay Associated with the Opening of the South Atlantic. <i>Journal of Petrology</i> , 2000, 41, 1413-1438.	2.8	56
50	Two mantle domains and the time scales of fluid transfer beneath the Vanuatu arc. <i>Geology</i> , 1999, 27, 963.	4.4	49
51	Petrogenesis and Stratigraphy of the High-Ti/Y Urubici Magma Type in the Parana Flood Basalt Province and Implications for the Nature of 'Dupal'-Type Mantle in the South Atlantic Region. <i>Journal of Petrology</i> , 1999, 40, 451-473.	2.8	150
52	Causes of spatial compositional variations in Mariana arc lavas: Trace element evidence. <i>Island Arc</i> , 1998, 7, 479-495.	1.1	78
53	Elemental U and Th variations in island arc rocks: implications for U-series isotopes. <i>Chemical Geology</i> , 1997, 139, 207-221.	3.3	190
54	Geochemical Variations in Vanuatu Arc Lavas: the Role of Subducted Material and a Variable Mantle Wedge Composition. <i>Journal of Petrology</i> , 1997, 38, 1331-1358.	2.8	59

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55	Lithospheric to asthenospheric transition in Low-Ti flood basalts from southern Paraná, Brazil. <i>Chemical Geology</i> , 1996, 127, 1-24.	3.3	177
56	Mantle plumes, flood basalts, and thermal models for melt generation beneath continents: Assessment of a conductive heating model and application to the Paraná. <i>Journal of Geophysical Research</i> , 1996, 101, 11503-11518.	3.3	144
57	Chemical stratigraphy of the Paraná ¹ / ₂ lavas (South America): classification of magma types and their spatial distribution. <i>Bulletin of Volcanology</i> , 1992, 55, 119-139.	3.0	320
58	Mantle plumes and flood-basalt stratigraphy in the Paraná, South America. <i>Geology</i> , 1990, 18, 1223.	4.4	122
59	The Paraná-Etendeka Province. <i>Geophysical Monograph Series</i> , 0, , 217-245.	0.1	146