

Paul Mason

List of Publications by Year in descending order

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77
papers

4,995
citations

81900

39
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88630

70
g-index

79
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79
docs citations

79
times ranked

4782
citing authors

#	ARTICLE	IF	CITATIONS
1	MPI-DING reference glasses for in situ microanalysis: New reference values for element concentrations and isotope ratios. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	563
2	On and Off the North China Craton: Where is the Archaean Keel?. <i>Journal of Petrology</i> , 2000, 41, 933-950.	2.8	425
3	Neogene–Quaternary magmatism and geodynamics in the Carpathian–Pannonian region: a synthesis. <i>Lithos</i> , 2004, 72, 117-146.	1.4	241
4	A critical assessment of laser ablation ICP-MS as an analytical tool for depth analysis in silica-based glass samples. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1143-1153.	3.0	215
5	Sulfur and chalcophile elements in subduction zones: constraints from a laser ablation ICP-MS study of melt inclusions from Galunggung Volcano, Indonesia. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3147-3164.	3.9	161
6	Almandine Garnet in Calc-alkaline Volcanic Rocks of the Northern Pannonian Basin (Eastern–Central Tj ETQq0 0 0 rgBT /Overlock 10 T 1813-1843.	2.8	153
7	Single foraminiferal test chemistry records the marine environment. <i>Geology</i> , 2003, 31, 355.	4.4	139
8	Deep origin and hot melting of an Archaean orogenic peridotite massif in Norway. <i>Nature</i> , 2006, 440, 913-917.	27.8	120
9	Global carbon isotopic events associated with mass extinction and glaciation in the late Ordovician. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997, 132, 195-210.	2.3	112
10	Magmatic constraints on geodynamic models of subduction in the East Carpathians, Romania. <i>Tectonophysics</i> , 1998, 297, 157-176.	2.2	108
11	Crustal Assimilation as a Major Petrogenetic Process in the East Carpathian Neogene and Quaternary Continental Margin Arc, Romania. <i>Journal of Petrology</i> , 1996, 37, 927-959.	2.8	106
12	Geochemistry of the Othris Ophiolite, Greece: Evidence for Refertilization?. <i>Journal of Petrology</i> , 2003, 44, 1759-1785.	2.8	99
13	Ultramafic Xenoliths from the Bearpaw Mountains, Montana, USA: Evidence for Multiple Metasomatic Events in the Lithospheric Mantle beneath the Wyoming Craton. <i>Journal of Petrology</i> , 2004, 45, 1631-1662.	2.8	97
14	Diffuse porous melt flow and melt-rock reaction in the mantle lithosphere at a slow-spreading ridge: A structural petrology and LA-ICP-MS study of the Othris Peridotite Massif (Greece). <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	2.5	95
15	Determination of sulfur isotope ratios and concentrations in water samples using ICP-MS incorporating hexapole ion optics. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1067-1074.	3.0	91
16	Intra-Grain Sr Isotope Evidence for Crystal Recycling and Multiple Magma Reservoirs in the Recent Activity of Stromboli Volcano, Southern Italy. <i>Journal of Petrology</i> , 2005, 46, 1997-2021.	2.8	90
17	Seagrass nurseries contribute to coral reef fish populations. <i>Limnology and Oceanography</i> , 2008, 53, 1540-1547.	3.1	87
18	Tectonic significance of changes in post-subduction Pliocene–Quaternary magmatism in the south east part of the Carpathian–Pannonian Region. <i>Tectonophysics</i> , 2011, 502, 146-157.	2.2	85

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19	In situ determination of sulfur isotopes in sulfur-rich materials by laser ablation multiple-collector inductively coupled plasma mass spectrometry (LA-MC-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 177-186.	3.0	81
20	Amphibole perspective to unravel pre-eruptive processes and conditions in volcanic plumbing systems beneath intermediate arc volcanoes: a case study from Ciomadul volcano (SE Carpathians). <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	3.1	81
21	Selenium as paleo-oceanographic proxy: A first assessment. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 89, 302-317.	3.9	80
22	Mantle domains in the lithosphere beneath the French Massif Central: trace element and isotopic evidence from mantle clinopyroxenes. <i>Chemical Geology</i> , 2003, 200, 71-87.	3.3	76
23	Selenium sorption and isotope fractionation: Iron(III) oxides versus iron(II) sulfides. <i>Chemical Geology</i> , 2013, 342, 21-28.	3.3	74
24	Long-lived, cold burial of Baltica to 200 km depth. <i>Earth and Planetary Science Letters</i> , 2009, 281, 27-35.	4.4	72
25	The Othris Ophiolite, Greece: A snapshot of subduction initiation at a mid-ocean ridge. <i>Lithos</i> , 2008, 100, 234-254.	1.4	71
26	Depth-resolved analysis in multi-layered glass and metal materials using laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1381-1388.	3.0	65
27	Late Neoproterozoic proto-arc ocean crust in the Dariv Range, Western Mongolia: a supra-subduction zone end-member ophiolite. <i>Journal of the Geological Society</i> , 2006, 163, 363-373.	2.1	63
28	Multiple sulfur isotopes in Paleoproterozoic barites identify an important role for microbial sulfate reduction in the early marine environment. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 177-186.	4.4	60
29	Geochemical response of magmas to Neogene-Quaternary continental collision in the Carpathian-Pannonian region: A review. <i>Tectonophysics</i> , 2005, 410, 485-499.	2.2	58
30	Attenuation of spectral interferences during laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) using an rf only collision and reaction cell. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 858-867.	3.0	57
31	Foraminiferal Mg/Ca increase in the Caribbean during the Pliocene: Western Atlantic Warm Pool formation, salinity influence, or diagenetic overprint?. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	56
32	Correlation and petrogenesis of silicic pyroclastic rocks in the Northern Pannonian Basin, Eastern-Central Europe: In situ trace element data of glass shards and mineral chemical constraints. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 143, 237-257.	2.1	55
33	Copper incorporation in foraminiferal calcite: results from culturing experiments. <i>Biogeosciences</i> , 2007, 4, 493-504.	3.3	54
34	Hourglass sector zoning in metamorphic tourmaline and resultant major and trace-element fractionation. <i>American Mineralogist</i> , 2006, 91, 717-728.	1.9	46
35	Climate control on banded iron formations linked to orbital eccentricity. <i>Nature Geoscience</i> , 2019, 12, 369-374.	12.9	46
36	Nature and timing of multiple metasomatic events in the sub-cratonic lithosphere beneath Labait, Tanzania. <i>Lithos</i> , 2009, 112, 896-912.	1.4	43

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37	Short-time-scale variability in ventilation and export productivity during the formation of Mediterranean sapropel S1. <i>Paleoceanography</i> , 2010, 25, n/a-n/a.	3.0	43
38	Experimental study of trace element partitioning between lunar orthopyroxene and anhydrous silicate melt: Effects of lithium and iron. <i>Chemical Geology</i> , 2011, 285, 1-14.	3.3	42
39	High-resolution quadruple sulfur isotope analyses of 3.2Ga pyrite from the Barberton Greenstone Belt in South Africa reveal distinct environmental controls on sulfide isotopic arrays. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 203-215.	3.9	42
40	Reworking of atmospheric sulfur in a Paleoproterozoic hydrothermal system at Londozi, Barberton Greenstone Belt, Swaziland. <i>Precambrian Research</i> , 2016, 280, 195-204.	2.7	40
41	Sulfate reducing activity and sulfur isotope fractionation by natural microbial communities in sediments of a hypersaline soda lake (Mono Lake, California). <i>Chemical Geology</i> , 2010, 278, 23-30.	3.3	39
42	Fate of Selenium in Soils at a Seleniferous Site Recorded by High Precision Se Isotope Measurements. <i>Environmental Science & Technology</i> , 2015, 49, 9690-9698.	10.0	39
43	Asthenosphere-induced melting of diverse source regions for East Carpathian post-collisional volcanism. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	38
44	Depletion and enrichment processes in the lithospheric mantle beneath the Kola Peninsula (Russia): Evidence from spinel ilmenite and wehrilite xenoliths. <i>Lithos</i> , 2007, 94, 1-24.	1.4	36
45	Charnockites and UHT metamorphism in the Bakhuis Granulite Belt, western Suriname: Evidence for two separate UHT events. <i>Precambrian Research</i> , 2015, 262, 1-19.	2.7	36
46	Paleoproterozoic sulfur cycling: Multiple sulfur isotope constraints from the Barberton Greenstone Belt, South Africa. <i>Precambrian Research</i> , 2015, 267, 311-322.	2.7	28
47	A sequential extraction technique for mass-balanced stable selenium isotope analysis of soil samples. <i>Chemical Geology</i> , 2014, 381, 125-130.	3.3	27
48	Generation of normal and adakite-like calc-alkaline magmas in a non-subductional environment: An Sr ⁸⁷ / ⁸⁶ Sr isotopic study of the Apuseni Mountains neogene magmatic province, Romania. <i>Chemical Geology</i> , 2007, 245, 70-88.	3.3	25
49	Provenance and tectonic implications of the 3.28-3.23 Ga Fig Tree Group, central Barberton greenstone belt, South Africa. <i>Precambrian Research</i> , 2019, 325, 1-19.	2.7	25
50	Trace element partitioning between ilmenite, armalcolite and anhydrous silicate melt: Implications for the formation of lunar high-Ti mare basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4179-4193.	3.9	23
51	Geological evolution of the marine selenium cycle: Insights from the bulk shale ⁸² / ⁷⁶ Se record and isotope mass balance modeling. <i>Earth and Planetary Science Letters</i> , 2016, 441, 178-187.	4.4	23
52	³⁴ S/ ³² S fractionation by sulfate-reducing microbial communities in estuarine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3903-3914.	3.9	21
53	High-resolution line-scan analysis of resin-embedded sediments using laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS). <i>Chemical Geology</i> , 2015, 403, 42-51.	3.3	21
54	Pyrite in a sulfate-poor Paleoproterozoic basin was derived predominantly from elemental sulfur: Evidence from 3.2 Ga sediments in the Barberton Greenstone Belt, Kaapvaal Craton. <i>Chemical Geology</i> , 2017, 449, 135-146.	3.3	21

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55	Critical assessment of the effects of skimmer cone geometry on spectroscopic and non-spectroscopic interference in inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 689-696.	3.0	20
56	Mantle Sources of Recent Anatolian Intraplate Magmatism: A Regional Plume or Local Tectonic Origin?. <i>Tectonics</i> , 2018, 37, 4535-4566.	2.8	20
57	Fe isotopes of a 2.4 Ga hematite-rich IF constrain marine redox conditions around the GOE. <i>Precambrian Research</i> , 2018, 305, 218-235.	2.7	19
58	Fraction-specific controls on the trace element distribution in iron formations: Implications for trace metal stable isotope proxies. <i>Chemical Geology</i> , 2017, 474, 17-32.	3.3	18
59	Determination of Incompatible Trace Elements in Mantle Clinopyroxenes by LA-ICP-MS: A Comparison of Analytical Performance with Established Techniques. <i>Geostandards and Geoanalytical Research</i> , 1999, 23, 157-172.	3.1	17
60	Fraction-specific rare earth elements enable the reconstruction of primary seawater signatures from iron formations. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 102-122.	3.9	17
61	Mass-dependent selenium isotopic fractionation during microbial reduction of seleno-oxyanions by phylogenetically diverse bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 274-288.	3.9	17
62	Formation and temporal evolution of the Kalahari sub-cratonic lithospheric mantle: Constraints from Venetia xenoliths, South Africa. <i>Lithos</i> , 2009, 112, 1069-1082.	1.4	15
63	Mixing of crystal mushes and melts in the genesis of the Bogács Ignimbrite suite, northern Hungary: An integrated geochemical investigation of mineral phases and glasses. <i>Lithos</i> , 2012, 148, 71-85.	1.4	15
64	Effects of reactive dissolution of orthopyroxene in producing incompatible element depleted melts and refractory mantle residues during early fore-arc spreading: constraints from ophiolites in eastern Mediterranean. <i>Lithos</i> , 2020, 360-361, 105438.	1.4	15
65	Silicate melt inclusions in the phenocrysts of the Szomolya Ignimbrite, Borsod-Abaúj-Zemplén Volcanic Field (Northern Hungary): Implications for magma chamber processes. <i>Chemical Geology</i> , 2005, 223, 46-67.	3.3	14
66	Fingerprinting the Late Pleistocene tephra of Ciomadul volcano, eastern-central Europe. <i>Journal of Quaternary Science</i> , 2020, 35, 232-244.	2.1	14
67	Bimodal pumice populations in the 13.5 Ma Harsány ignimbrite, Borsod-Abaúj-Zemplén Volcanic Field, Northern Hungary: Syn-eruptive mingling of distinct rhyolitic magma batches?. <i>Central European Geology</i> , 2009, 52, 51-72.	0.4	13
68	Multiple subduction imprints in the mantle below Italy detected in a single lava flow. <i>Earth and Planetary Science Letters</i> , 2016, 449, 12-19.	4.4	12
69	In situ S isotope compositions of sulfate and sulfide from the 3.2 Ga Moodies Group, South Africa: A record of oxidative sulfur cycling. <i>Geobiology</i> , 2020, 18, 426-444.	2.4	12
70	Emergence of felsic crust and subaerial weathering recorded in Palaeoarchaeon barite. <i>Nature Geoscience</i> , 2022, 15, 227-232.	12.9	11
71	Amphiboles as indicators of mantle source contamination: Combined evaluation of stable H and O isotope compositions and trace element ratios. <i>Lithos</i> , 2012, 152, 141-156.	1.4	10
72	Insights into the processes and controls on the absolute abundance and distribution of manganese in Precambrian iron formations. <i>Precambrian Research</i> , 2020, 350, 105878.	2.7	10

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73	Phosphorous incorporation in olivine crystallized from potassium-rich magmas. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 253, 63-83.	3.9	7
74	Arsenic Uptake by Pyrite at Ambient Environmental Conditions: A Continuous-Flow Experiment. <i>ACS Symposium Series</i> , 2005, , 60-76.	0.5	6
75	Determination of Trace Elements in Bauxite Using Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry on Lithium Borate Glass Beads. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 239-251.	3.1	6
76	Near-Infrared Spectroscopy of Hydrothermal versus Low-Grade Metamorphic Chlorites. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 259.	2.0	6
77	9th European Laser Ablation Workshop, ETH Zürich, 19th-21st July 2006. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1472-1472.	3.0	0