

Matthew A Coble

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,169
citations

430874

18
h-index

434195

31
g-index

51
all docs

51
docs citations

51
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithium enrichment in intracontinental rhyolite magmas leads to Li deposits in caldera basins. <i>Nature Communications</i> , 2017, 8, 270.	12.8	112
2	Influence of radiation damage on Late Jurassic zircon from southern China: Evidence from in situ measurements of oxygen isotopes, laser Raman, U–Pb ages, and trace elements. <i>Chemical Geology</i> , 2014, 389, 122-136.	3.3	94
3	Initial impingement of the Yellowstone plume located by widespread silicic volcanism contemporaneous with Columbia River flood basalts. <i>Geology</i> , 2012, 40, 655-658.	4.4	81
4	Petrogenesis and provenance of distal volcanic tuffs from the Permian–Triassic Karoo Basin, South Africa: A window into a dissected magmatic province. , 2016, 12, 1-14.		69
5	Trace Element Characterisation of ^{59}Zr Zircon Reference Material for Ion Microprobe Analysis. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 481-497.	3.1	66
6	The tempo of continental arc construction in the Mesozoic Median Batholith, Fiordland, New Zealand. <i>Lithosphere</i> , 2017, 9, 343-365.	1.4	48
7	Calibration of Nu-Instruments Noblesse multicollector mass spectrometers for argon isotopic measurements using a newly developed reference gas. <i>Chemical Geology</i> , 2011, 290, 75-87.	3.3	43
8	Post-supereruption recovery at Toba Caldera. <i>Nature Communications</i> , 2017, 8, 15248.	12.8	42
9	Early Onset of Franciscan Subduction. <i>Tectonics</i> , 2018, 37, 1194-1209.	2.8	41
10	The eruptive and magmatic history of the youngest pulse of volcanism at the Valles caldera: Implications for successfully dating late Quaternary eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 310, 50-57.	2.1	37
11	Thermochronology of extensional orogenic collapse in the deep crust of Zealandia. , 2016, 12, 647-677.		34
12	Isotope-dilution anchoring of zircon reference materials for accurate Ti-in-zircon thermometry. <i>Chemical Geology</i> , 2018, 481, 146-154.	3.3	34
13	Composition and formation age of amorphous silica coating glacially polished surfaces. <i>Geology</i> , 2019, 47, 347-350.	4.4	34
14	Dating the Paleoproterozoic snowball Earth glaciations using contemporaneous subglacial hydrothermal systems. <i>Geology</i> , 2017, 45, 667-670.	4.4	33
15	Generation of Silicic Melts in the Early Izu–Bonin Arc Recorded by Detrital Zircons in Proximal Arc Volcaniclastic Rocks From the Philippine Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3576-3591.	2.5	31
16	Chemical abrasion-SIMS (CA-SIMS) U-Pb dating of zircon from the late Eocene Caetano caldera, Nevada. <i>Chemical Geology</i> , 2016, 439, 139-151.	3.3	28
17	Hadean zircon from a 3.3 Ga sandstone, Barberton greenstone belt, South Africa. <i>Geology</i> , 2018, 46, 967-970.	4.4	26
18	Geology of the High Rock caldera complex, northwest Nevada, and implications for intense rhyolitic volcanism associated with flood basalt magmatism and the initiation of the Snake River Plain–Yellowstone trend. , 2016, 12, 58-113.		23

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19	Repeated Rhyolite Eruption From Heterogeneous Hot Zones Embedded Within a Cool, Shallow Magma Reservoir. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 2582-2600.	3.4	22
20	Elucidating the magmatic history of the Austurhorn silicic intrusive complex (southeast Iceland) using zircon elemental and isotopic geochemistry and geochronology. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	21
21	Constraints on plateau architecture and assembly from deep crustal xenoliths, northern Altiplano (SE Peru). <i>Bulletin of the Geological Society of America</i> , 2015, 127, 1777-1797.	3.3	19
22	Characterization of the rhyolite of Bodie Hills and $^{40}\text{Ar}/^{39}\text{Ar}$ intercalibration with Ar mineral standards. <i>Chemical Geology</i> , 2019, 525, 282-302.	3.3	19
23	New zircon (U-Th)/He and U/Pb eruption age for the Rockland tephra, western USA. <i>Quaternary Science Reviews</i> , 2017, 172, 109-117.	3.0	18
24	<sc>GHR</sc>1 Zircon â€“ A New Eocene Natural Reference Material for Microbeam Uâ€Pb Geochronology and Hf Isotopic Analysis of Zircon. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 113-132.	3.1	18
25	The timing of migmatization in the northern Arabianâ€“Nubian Shield: Evidence for a juvenile sedimentary component in collisionâ€related batholiths. <i>Journal of Metamorphic Geology</i> , 2019, 37, 591.	3.4	17
26	Deformational Temperatures Across the Lesser Himalayan Sequence in Eastern Bhutan and Their Implications for the Deformation History of the Main Central Thrust. <i>Tectonics</i> , 2020, 39, e2019TC005914.	2.8	17
27	The Origin of Plagiogranites: Coupled SIMS O Isotope Ratios, Uâ€Pb Dating and Trace Element Composition of Zircon from the Troodos Ophiolite, Cyprus. <i>Journal of Petrology</i> , 2020, 61, .	2.8	16
28	Ten-million years of activity within the Eastern California Shear Zone from Uâ€Pb dating of fault-zone opal. <i>Earth and Planetary Science Letters</i> , 2019, 521, 37-45.	4.4	15
29	White mica trace element and boron isotope evidence for distinctive infiltration events during exhumation of deeply subducted continental crust. <i>International Geology Review</i> , 2017, 59, 621-638.	2.1	11
30	Early Carboniferous anorogenic magmatism in the Levant: implications for rifting in northern Gondwana. <i>International Geology Review</i> , 2018, 60, 101-108.	2.1	11
31	Magmatic-tectonic control on the generation of silicic magmas in Iceland: Constraints from Hafnarfjall-SkarÃ°sheiÃ°i volcano. <i>Lithos</i> , 2018, 318-319, 326-339.	1.4	11
32	Temporal and spatial variations in magmatism and transpression in a Cretaceous arc, Median Batholith, Fiordland, New Zealand. <i>Lithosphere</i> , 2019, 11, 652-682.	1.4	9
33	A Nanoscale Record of Impact-Induced Pb Mobility in Lunar Zircon. <i>Microscopy and Microanalysis</i> , 2019, 25, 2448-2449.	0.4	8
34	Pre-Cenozoic evolution of the Aghil Range (western Tibetan Plateau): A missing piece of the Tibet-Pamir-Karakorum geopuzzle. <i>Gondwana Research</i> , 2019, 69, 122-143.	6.0	8
35	Porphyry Cu formation in the middle Jurassic Yerington batholith, Nevada, USA: Constraints from laser Raman, trace element, U-Pb age, and oxygen isotope analyses of zircon. , 2017, , GES01351.1.		6
36	Geochronological and Geochemical Study of Zircon from Tourmaline-Muscovite Granites of the Archaean Kolmozeroâ€“Voronya Greenstone Belt: Insights into Sources of the Rare-Metal Pegmatites. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 760.	2.0	6

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37	Siliceous subglacial deposits: archives of subglacial processes during the Last Glacial Maximum. <i>Journal of Glaciology</i> , 0, , 1-8.	2.2	5
38	GRANITES OF THE NORTHERN TIMAN " PROBABLE INDICATORS OF NEOPROTEROZOIC STAGES OF RODINIA BREAKUP. <i>Geodinamika Tektonofizika</i> , 2020, 11, 201-218.	0.7	5
39	Metamorphism of the Sierra de Maz and implications for the tectonic evolution of the MARA terrane. , 2021, 17, 1786-1806.		5
40	Age, geochemistry, and significance of Devonian felsic magmatism in the North Slope subterrane, Yukon, Canadian Arctic. , 2019, , 593-618.		5
41	The Early Paleozoic basite magmatism of Western Transbaikalia: Composition, isotope age (U-Pb, SHRIMP) Tj ETQq] 1 0.784314 rgBT 0.9 4	1.0	4
42	The timing of rifting events in the easternmost Mediterranean: U-Pb dating of zircons from volcanic rocks in the Levant margin. <i>International Geology Review</i> , 0, , 1-21.	2.1	3
43	New geologic evidence for additional 16.5"15.5 Ma silicic calderas in northwest Nevada related to initial impingement of the Yellowstone hot spot. <i>IOP Conference Series: Earth and Environmental Science</i> , 2008, 3, 012002.	0.3	2
44	In situ measurements of lead and other trace elements in abyssal peridotite sulfides. <i>American Mineralogist</i> , 2019, 104, 190-206.	1.9	2
45	Interplay of Cretaceous transpressional deformation and continental arc magmatism in a long-lived crustal boundary, central Fiordland, New Zealand. , 2020, 16, 1225-1248.		2
46	Multistage growth and compositional change at the Goat Rocks volcanic complex, a major Pliocene" Pleistocene andesite center in the southern Washington Cascades. , 2019, , .		2
47	Magmatic Processes at Sn"fell Volcano, Iceland, Constrained by Zircon Ages, Isotopes, and Trace Elements. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009255.	2.5	1
48	ZIRCON TRACE ELEMENT COMPOSITION SPACE IN PLUTONIC AND VOLCANIC ARCS: IMPLICATIONS FOR ZIRCON PROVENANCE AND MAGMATIC ARC EVOLUTION. , 2016, , .		1
49	Crustal Forensics at P"tauaki (Mt. Edgecumbe), New Zealand reveal the influence of deep crustal arc processes on magma evolution in the Taupo Volcanic Zone. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, 1.	3.1	1
50	U-Pb zircon geochronology of calc-alkaline ash-flow tuff units in the Mogollon-Datil volcanic field, southern New Mexico. , 2019, , .		0