

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
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51
docs citations

51
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Crustal Forensics at PÅ«tauaki (Mt. Edgecumbe), New Zealand reveal the influence of deep crustal arc processes on magma evolution in the Taupo Volcanic Zone. Contributions To Mineralogy and Petrology, 2022, 177, 1.	3.1	1
2	Magmatic Processes at SnÃ fell Volcano, Iceland, Constrained by Zircon Ages, Isotopes, and Trace Elements. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009255.	2.5	1
3	Metamorphism of the Sierra de Maz and implications for the tectonic evolution of the MARA terrane. , 2021, 17, 1786-1806.		5
4	Interplay of Cretaceous transpressional deformation and continental arc magmatism in a long-lived crustal boundary, central Fiordland, New Zealand. , 2020, 16, 1225-1248.		2
5	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. Minerals (Basel, Switzerland), 2020, 10, 760.	2.0	6
6	The Origin of Plagiogranites: Coupled SIMS O Isotope Ratios, Uâ€“Pb Dating and Trace Element Composition of Zircon from the Troodos Ophiolite, Cyprus. Journal of Petrology, 2020, 61, .	2.8	16
7	Deformational Temperatures Across the Lesser Himalayan Sequence in Eastern Bhutan and Their Implications for the Deformation History of the Main Central Thrust. Tectonics, 2020, 39, e2019TC005914.	2.8	17
8	GRANITES OF THE NORTHERN TIMAN â€“ PROBABLE INDICATORS OF NEOPROTEROZOIC STAGES OF RODINIA BREAKUP. Geodinamika I Tektonofizika, 2020, 11, 201-218.	0.7	5
9	A Nanoscale Record of Impact-Induced Pb Mobility in Lunar Zircon. Microscopy and Microanalysis, 2019, 25, 2448-2449.	0.4	8
10	Characterization of the rhyolite of Bodie Hills and 40Ar/39Ar intercalibration with Ar mineral standards. Chemical Geology, 2019, 525, 282-302.	3.3	19
11	Temporal and spatial variations in magmatism and transpression in a Cretaceous arc, Median Batholith, Fiordland, New Zealand. Lithosphere, 2019, 11, 652-682.	1.4	9
12	Pre-Cenozoic evolution of the Aghil Range (western Tibetan Plateau): A missing piece of the Tibet-Pamir-Karakorum geopuzzle. Gondwana Research, 2019, 69, 122-143.	6.0	8
13	Ten-million years of activity within the Eastern California Shear Zone from Uâ€“Pb dating of fault-zone opal. Earth and Planetary Science Letters, 2019, 521, 37-45.	4.4	15
14	Composition and formation age of amorphous silica coating glacially polished surfaces. Geology, 2019, 47, 347-350.	4.4	34
15	In situ measurements of lead and other trace elements in abyssal peridotite sulfides. American Mineralogist, 2019, 104, 190-206.	1.9	2
16	Repeated Rhyolite Eruption From Heterogeneous Hot Zones Embedded Within a Cool, Shallow Magma Reservoir. Journal of Geophysical Research: Solid Earth, 2019, 124, 2582-2600.	3.4	22
17	<scp>GHR</scp>1 Zircon â€“ A New Eocene Natural Reference Material for Microbeam Uâ€“Pb Geochronology and Hf Isotopic Analysis of Zircon. Geostandards and Geoanalytical Research, 2019, 43, 113-132.	3.1	18
18	The timing of migmatization in the northern Arabianâ€“Nubian Shield: Evidence for a juvenile sedimentary component in collisionâ€“related batholiths. Journal of Metamorphic Geology, 2019, 37, 591.	3.4	17

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19	Multistage growth and compositional change at the Goat Rocks volcanic complex, a major Pliocene–Pleistocene andesite center in the southern Washington Cascades. , 2019, , .		2
20	U-Pb zircon geochronology of calc-alkaline ash-flow tuff units in the Mogollon-Datil volcanic field, southern New Mexico. , 2019, , .		0
21	Age, geochemistry, and significance of Devonian felsic magmatism in the North Slope subterrane, Yukon, Canadian Arctic. , 2019, , 593-618.		5
22	Early Onset of Franciscan Subduction. <i>Tectonics</i> , 2018, 37, 1194-1209.	2.8	41
23	Isotope-dilution anchoring of zircon reference materials for accurate Ti-in-zircon thermometry. <i>Chemical Geology</i> , 2018, 481, 146-154.	3.3	34
24	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
25	Hadean zircon from a 3.3 Ga sandstone, Barberton greenstone belt, South Africa. <i>Geology</i> , 2018, 46, 967-970.	4.4	26
26	Trace Element Characterisation of <sc>MAD</sc>â€559 Zircon Reference Material for Ion Microprobe Analysis. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 481-497.	3.1	66
27	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
28	The tempo of continental arc construction in the Mesozoic Median Batholith, Fiordland, New Zealand. <i>Lithosphere</i> , 2017, 9, 343-365.	1.4	48
29	Post-supereruption recovery at Toba Caldera. <i>Nature Communications</i> , 2017, 8, 15248.	12.8	42
30	Dating the Paleoproterozoic snowball Earth glaciations using contemporaneous subglacial hydrothermal systems. <i>Geology</i> , 2017, 45, 667-670.	4.4	33
31	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
32	Generation of Silicic Melts in the Early Izuâ€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
33	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
34	Lithium enrichment in intracontinental rhyolite magmas leads to Li deposits in caldera basins. <i>Nature Communications</i> , 2017, 8, 270.	12.8	112
35	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
36	Thermochronology of extensional orogenic collapse in the deep crust of Zealandia. , 2016, 12, 647-677.		34

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37	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
38	The Early Paleozoic basite magmatism of Western Transbaikalia: Composition, isotope age (U-Pb, SHRIMP) Tj ETQq0,0 0 rgBT/Overlock	0.9	4
39	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
40	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
41	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
42	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
43	ZIRCON TRACE ELEMENT COMPOSITION SPACE IN PLUTONIC AND VOLCANIC ARCS: IMPLICATIONS FOR ZIRCON PROVENANCE AND MAGMATIC ARC EVOLUTION. , 2016, , .		1
44	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
45	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
46	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
47	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
48	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
49	Siliceous subglacial deposits: archives of subglacial processes during the Last Glacial Maximum. <i>Journal of Glaciology</i> , 0, , 1-8.	2.2	5
50	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