

Kari Cooper

List of Publications by Year in descending order

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40
papers

2,576
citations

201674

27
h-index

302126

39
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all docs

40
docs citations

40
times ranked

2229
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid remobilization of magmatic crystals kept in cold storage. <i>Nature</i> , 2014, 506, 480-483.	27.8	370
2	Drilling to Gabbro in Intact Ocean Crust. <i>Science</i> , 2006, 312, 1016-1020.	12.6	230
3	Preferential eruption of andesitic magmas through recharge filtering. <i>Nature Geoscience</i> , 2010, 3, 631-636.	12.9	228
4	Rapid cooling and cold storage in a silicic magma reservoir recorded in individual crystals. <i>Science</i> , 2017, 356, 1154-1156.	12.6	131
5	The Crustal Magma Storage System of Volc�n Quizapu, Chile, and the Effects of Magma Mixing on Magma Diversity. <i>Journal of Petrology</i> , 2012, 53, 801-840.	2.8	108
6	Re-examination of crystal ages in recent Mount St. Helens lavas: implications for magma reservoir processes. <i>Earth and Planetary Science Letters</i> , 2003, 213, 149-167.	4.4	107
7	Crystal and magma residence at Kilauea Volcano, Hawaii: ²³⁰ Th- ²²⁶ Ra dating of the 1955 east rift eruption. <i>Earth and Planetary Science Letters</i> , 2001, 184, 703-718.	4.4	99
8	Faulted terrace risers place new constraints on the late Quaternary slip rate for the central Altyn Tagh fault, northwest Tibet. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 958-978.	3.3	99
9	Mechanisms and Timescales of Generating Eruptible Rhyolitic Magmas at Yellowstone Caldera from Zircon and Sanidine Geochronology and Geochemistry. <i>Journal of Petrology</i> , 2015, 56, 1607-1642.	2.8	82
10	Magmatic Longevity of Laacher See Volcano (Eifel, Germany) Indicated by U-Th Dating of Intrusive Carbonatites. <i>Journal of Petrology</i> , 2010, 51, 1053-1085.	2.8	71
11	Late Pleistocene California droughts during deglaciation and Arctic warming. <i>Earth and Planetary Science Letters</i> , 2009, 288, 434-443.	4.4	64
12	Magma reservoir response to transient recharge events: The case of Santorini volcano (Greece). <i>Geology</i> , 2016, 44, 23-26.	4.4	64
13	Oxygen isotope evidence for the origin of enriched mantle beneath the mid-Atlantic ridge. <i>Earth and Planetary Science Letters</i> , 2004, 220, 297-316.	4.4	63
14	Shallow melting of MORB-like mantle under hot continental lithosphere, central Anatolia. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1866-1888.	2.5	63
15	Vapor transfer prior to the October 2004 eruption of Mount St. Helens, Washington. <i>Geology</i> , 2007, 35, 231.	4.4	62
16	What Does a Magma Reservoir Look Like? The "Crystal's-Eye" View. <i>Elements</i> , 2017, 13, 23-28.	0.5	60
17	Downhole variation of lithium and oxygen isotopic compositions of oceanic crust at East Pacific Rise, ODP Site 1256. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	55
18	Magmatic perturbations in the Okataina Volcanic Complex, New Zealand at thousand-year timescales recorded in single zircon crystals. <i>Earth and Planetary Science Letters</i> , 2011, 305, 185-194.	4.4	52

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19	Uranium-series Crystal Ages. <i>Reviews in Mineralogy and Geochemistry</i> , 2008, 69, 479-544.	4.8	50
20	Assessing response of local moisture conditions in central Brazil to variability in regional monsoon intensity using speleothem $^{87}\text{Sr}/^{86}\text{Sr}$ values. <i>Earth and Planetary Science Letters</i> , 2017, 463, 310-322.	4.4	48
21	Uranium-series chronology of Gorda Ridge volcanism: new evidence from the 1996 eruption. <i>Earth and Planetary Science Letters</i> , 2003, 206, 459-475.	4.4	44
22	Magma mixing and the generation of isotopically juvenile silicic magma at Yellowstone caldera inferred from coupling ^{238}U – ^{230}Th ages with trace elements and Hf and O isotopes in zircon and Pb isotopes in sanidine. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 587-613.	3.1	41
23	Integrating the Uranium-Series and Elemental Diffusion Geochronometers in Mixed Magmas from VolcÃn Quizapu, Central Chile. <i>Journal of Petrology</i> , 2012, 53, 841-871.	2.8	38
24	Stalagmite records of hydroclimate in central California during termination 1. <i>Quaternary Science Reviews</i> , 2015, 127, 199-214.	3.0	38
25	Time scales and temperatures of crystal storage in magma reservoirs: implications for magma reservoir dynamics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180009.	3.4	37
26	Influence of Exsolved Volatiles on Reheating Silicic Magmas by Recharge and Consequences for Eruptive Style at VolcÃn Quizapu (Chile). <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4123-4135.	2.5	32
27	Changes in magma storage conditions following caldera collapse at Okataina Volcanic Center, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	29
28	Distribution of recycled crust within the upper mantle: Insights from the oxygen isotope composition of MORB from the Australian Antarctic Discordance. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	26
29	Timescales of crustal magma reservoir processes: insights from U-series crystal ages. <i>Geological Society Special Publication</i> , 2015, 422, 141-174.	1.3	25
30	Timescales of storage and recycling of crystal mush at Krafla Volcano, Iceland. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	24
31	Gas transport model for the magmatic system at Mount Pinatubo, Philippines: Insights from $(^{210}\text{Pb})/(^{226}\text{Ra})$. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 181, 124-140.	2.1	23
32	How well do zircons record the thermal evolution of magmatic systems?. <i>Geology</i> , 2018, 46, 111-114.	4.4	23
33	Episodic $^{\text{H}}$ olocene eruption of the $^{\text{S}}$ alton $^{\text{B}}$ uttles rhyolites, $^{\text{C}}$ alifornia, from paleomagnetic, $^{\text{U}}$ – $^{\text{T}}$ h, and $^{\text{A}}$ r/ $^{\text{A}}$ r dating. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1198-1210.	2.5	21
34	Constraints on crystal storage timescales in mixed magmas: Uranium-series disequilibria in plagioclase from Holocene magmas at Mount Hood, Oregon. <i>Earth and Planetary Science Letters</i> , 2012, 317-318, 319-330.	4.4	20
35	The role of mantle-derived magmas in the isotopic evolution of $^{\text{Y}}$ ellowstone's magmatic system. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1350-1365.	2.5	17
36	$^{226}\text{Ra}/^{230}\text{Th}$ excess generated in the lower crust: Implications for magma transport and storage time scales. <i>Geology</i> , 2005, 33, 833.	4.4	15

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37	Comment on "On the recent bimodal magmatic processes and their rates in the Torfajökull area, Iceland" by G.F. Zellmer, K.H. Rubin, K. Grönvold, and Z. Jurado-Chichay. Earth and Planetary Science Letters, 2009, 281, 110-114.	4.4	7
38	A Preliminary Framework for Magmatism in Modern Continental Back-Arc Basins and Its Application to the Triassic-Jurassic Tectonic Evolution of the Caucasus. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009490.	2.5	6
39	Response to Comment on "Rapid cooling and cold storage in a silicic magma reservoir recorded in individual crystals". Science, 2017, 358, .	12.6	4
40	Extremely young melt infiltration of the sub-continental lithospheric mantle. Physics of the Earth and Planetary Interiors, 2021, 313, 106325.	1.9	0