

Cin-Ty A Lee

List of Publications by Year in descending order

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163
papers

12,130
citations

24978

57
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28224

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173
docs citations

173
times ranked

7557
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on the depths and temperatures of basaltic magma generation on Earth and other terrestrial planets using new thermobarometers for mafic magmas. <i>Earth and Planetary Science Letters</i> , 2009, 279, 20-33.	1.8	587
2	Copper Systematics in Arc Magmas and Implications for Crust-Mantle Differentiation. <i>Science</i> , 2012, 336, 64-68.	6.0	480
3	Building and Destroying Continental Mantle. <i>Annual Review of Earth and Planetary Sciences</i> , 2011, 39, 59-90.	4.6	393
4	Similar V/Sc Systematics in MORB and Arc Basalts: Implications for the Oxygen Fugacities of their Mantle Source Regions. <i>Journal of Petrology</i> , 2005, 46, 2313-2336.	1.1	364
5	How important is the role of crystal fractionation in making intermediate magmas? Insights from Zr and P systematics. <i>Earth and Planetary Science Letters</i> , 2014, 393, 266-274.	1.8	325
6	High silica granites: Terminal porosity and crystal settling in shallow magma chambers. <i>Earth and Planetary Science Letters</i> , 2015, 409, 23-31.	1.8	282
7	Continental arc volcanism as the principal driver of icehouse-greenhouse variability. <i>Science</i> , 2016, 352, 444-447.	6.0	269
8	Compositional variation of density and seismic velocities in natural peridotites at STP conditions: Implications for seismic imaging of compositional heterogeneities in the upper mantle. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	266
9	Petrology and tectonics of Phanerozoic continent formation: From island arcs to accretion and continental arc magmatism. <i>Earth and Planetary Science Letters</i> , 2007, 263, 370-387.	1.8	266
10	Episodic Precambrian subduction. <i>Earth and Planetary Science Letters</i> , 2007, 262, 552-562.	1.8	265
11	Continuing Colorado plateau uplift by delamination-style convective lithospheric downwelling. <i>Nature</i> , 2011, 472, 461-465.	13.7	258
12	Zn/Fe systematics in mafic and ultramafic systems: Implications for detecting major element heterogeneities in the Earth's mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2779-2796.	1.6	249
13	The development and refinement of continental arcs by primary basaltic magmatism, garnet pyroxenite accumulation, basaltic recharge and delamination: insights from the Sierra Nevada, California. <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 222-242.	1.2	241
14	The redox state of arc mantle using Zn/Fe systematics. <i>Nature</i> , 2010, 468, 681-685.	13.7	232
15	Water contents in mantle xenoliths from the Colorado Plateau and vicinity: Implications for the mantle rheology and hydration-induced thinning of continental lithosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	206
16	The constancy of upper mantle fO_2 through time inferred from V/Sc ratios in basalts. <i>Earth and Planetary Science Letters</i> , 2004, 228, 483-493.	1.8	203
17	Re-Os systematics of mantle xenoliths from the East African Rift: age, structure, and history of the Tanzanian craton. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 1203-1217.	1.6	196
18	Mineralogical heterogeneities in the Earth's mantle: Constraints from Mn, Co, Ni and Zn partitioning during partial melting. <i>Earth and Planetary Science Letters</i> , 2011, 307, 395-408.	1.8	194

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19	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. <i>Science</i> , 2012, 338, 1583-1587.	6.0	191
20	Preservation of ancient and fertile lithospheric mantle beneath the southwestern United States. <i>Nature</i> , 2001, 411, 69-73.	13.7	167
21	Major element chemistry of ocean island basalts â€™ Conditions of mantle melting and heterogeneity of mantle source. <i>Earth and Planetary Science Letters</i> , 2010, 289, 377-392.	1.8	166
22	Two-step rise of atmospheric oxygen linked to the growth of continents. <i>Nature Geoscience</i> , 2016, 9, 417-424.	5.4	162
23	Meltâ€™peridotite interactions: Links between garnet pyroxenite and high-Mg# signature of continental crust. <i>Earth and Planetary Science Letters</i> , 2005, 234, 39-57.	1.8	160
24	Upside-down differentiation and generation of a â€™primordialâ€™ lower mantle. <i>Nature</i> , 2010, 463, 930-933.	13.7	149
25	Effects of crustal thickness on magmatic differentiation in subduction zone volcanism: A global study. <i>Earth and Planetary Science Letters</i> , 2017, 470, 96-107.	1.8	142
26	How to make porphyry copper deposits. <i>Earth and Planetary Science Letters</i> , 2020, 529, 115868.	1.8	141
27	Continental arc-island arc fluctuations, growth of crustal carbonates, and long-term climate change. , 2013, 9, 21-36.		134
28	The redox â€™filterâ€™ beneath magmatic orogens and the formation of continental crust. <i>Science Advances</i> , 2018, 4, eaar4444.	4.7	123
29	Modeling the compositional evolution of recharging, evacuating, and fractionating (REFC) magma chambers: Implications for differentiation of arc magmas. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 8-22.	1.6	115
30	The rise and fall of continental arcs: Interplays between magmatism, uplift, weathering, and climate. <i>Earth and Planetary Science Letters</i> , 2015, 425, 105-119.	1.8	115
31	Osmium Isotopic Evidence for Mesozoic Removal of Lithospheric Mantle Beneath the Sierra Nevada, California. <i>Science</i> , 2000, 289, 1912-1916.	6.0	114
32	The Mg isotopic systematics of granitoids in continental arcs and implications for the role of chemical weathering in crust formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20652-20657.	3.3	112
33	Lithospheric foundering and underthrusting imaged beneath Tibet. <i>Nature Communications</i> , 2017, 8, 15659.	5.8	111
34	Trace-element evidence for the origin of desert varnish by direct aqueous atmospheric deposition. <i>Earth and Planetary Science Letters</i> , 2004, 224, 131-141.	1.8	108
35	Vanadium in peridotites as a proxy for paleo-fO ₂ during partial melting. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3045-3064.	1.6	106
36	Extension of lattice strain theory to mineral/mineral rare-earth element partitioning: An approach for assessing disequilibrium and developing internally consistent partition coefficients between olivine, orthopyroxene, clinopyroxene and basaltic melt. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 481-496.	1.6	100

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37	Asteroidal impacts and the origin of terrestrial and lunar volatiles. <i>Icarus</i> , 2013, 222, 44-52.	1.1	99
38	The role of chemical boundary layers in regulating the thickness of continental and oceanic thermal boundary layers. <i>Earth and Planetary Science Letters</i> , 2005, 230, 379-395.	1.8	97
39	Basaltic explosive volcanism, but no comet impact, at the Paleocene–Eocene boundary: high-resolution chemical and isotopic records from Egypt, Spain and Denmark. <i>Earth and Planetary Science Letters</i> , 2004, 225, 1-17.	1.8	96
40	Episodic nature of continental arc activity since 750 Ma: A global compilation. <i>Earth and Planetary Science Letters</i> , 2017, 461, 85-95.	1.8	91
41	Partitioning of Mo, P and other siderophile elements (Cu, Ga, Sn, Ni, Co, Cr, Mn, V, and W) between metal and silicate melt as a function of temperature and silicate melt composition. <i>Earth and Planetary Science Letters</i> , 2010, 291, 1-9.	1.8	88
42	Trace Element Evidence for Hydrous Metasomatism at the Base of the North American Lithosphere and Possible Association with Laramide Low-Angle Subduction. <i>Journal of Geology</i> , 2005, 113, 673-685.	0.7	87
43	Geochemical investigation of serpentinized oceanic lithospheric mantle in the Feather River Ophiolite, California: Implications for the recycling rate of water by subduction. <i>Chemical Geology</i> , 2006, 235, 161-185.	1.4	86
44	Mafic–felsic magma mixing limited by reactive processes: A case study of biotite-rich rinds on mafic enclaves. <i>Earth and Planetary Science Letters</i> , 2014, 393, 49-59.	1.8	85
45	Correlation of seismic and petrologic thermometers suggests deep thermal anomalies beneath hotspots. <i>Earth and Planetary Science Letters</i> , 2007, 264, 308-316.	1.8	82
46	Continental crust formation at arcs, the arclogite – delamination cycle, and one origin for fertile melting anomalies in the mantle. <i>Science Bulletin</i> , 2015, 60, 1141-1156.	4.3	81
47	Field and model constraints on silicic melt segregation by compaction/hindered settling: The role of water and its effect on latent heat release. <i>American Mineralogist</i> , 2015, 100, 1762-1777.	0.9	77
48	Petrologic and geochemical investigation of carbonates in peridotite xenoliths from northeastern Tanzania. <i>Contributions To Mineralogy and Petrology</i> , 2000, 139, 470-484.	1.2	75
49	Global Continental Arc Flare-ups and Their Relation to Long-Term Greenhouse Conditions. <i>Elements</i> , 2015, 11, 125-130.	0.5	74
50	Continents, supercontinents, mantle thermal mixing, and mantle thermal isolation: Theory, numerical simulations, and laboratory experiments. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	70
51	Deep lithospheric dynamics beneath the Sierra Nevada during the Mesozoic and Cenozoic as inferred from xenolith petrology. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	1.0	66
52	A Study of Cathodoluminescence and Trace Element Compositional Zoning in Natural Quartz from Volcanic Rocks: Mapping Titanium Content in Quartz. <i>Microscopy and Microanalysis</i> , 2012, 18, 1322-1341.	0.2	63
53	An intrinsic volatility scale relevant to the Earth and Moon and the status of water in the Moon. <i>Meteoritics and Planetary Science</i> , 2015, 50, 568-577.	0.7	62
54	Platinum-group element geochemistry of peridotite xenoliths from the Sierra Nevada and the Basin and Range, California. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3987-4005.	1.6	60

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55	Ongoing lithospheric removal in the western Mediterranean: Evidence from Ps receiver functions and thermobarometry of Neogene basalts (PICASSO project). <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1113-1127.	1.0	60
56	Nb/Ta systematics in arc magma differentiation and the role of arclogites in continent formation. <i>Nature Communications</i> , 2019, 10, 235.	5.8	60
57	Seismic constraints on the depth and composition of the mantle keel beneath the Kaapvaal craton. <i>Earth and Planetary Science Letters</i> , 2004, 224, 337-346.	1.8	58
58	Refertilization-driven destabilization of subcontinental mantle and the importance of initial lithospheric thickness for the fate of continents. <i>Earth and Planetary Science Letters</i> , 2015, 409, 225-231.	1.8	58
59	Deep mantle roots and continental emergence: implications for whole-Earth elemental cycling, long-term climate, and the Cambrian explosion. <i>International Geology Review</i> , 2018, 60, 431-448.	1.1	58
60	Sulfide-bearing cumulates in deep continental arcs: The missing copper reservoir. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115971.	1.8	57
61	Calculating melting temperatures and pressures of peridotite protoliths: Implications for the origin of cratonic mantle. <i>Earth and Planetary Science Letters</i> , 2014, 403, 273-286.	1.8	56
62	Geochemical/petrologic constraints on the origin of cratonic mantle. <i>Geophysical Monograph Series</i> , 2006, , 89-114.	0.1	55
63	Volcanic ash as a driver of enhanced organic carbon burial in the Cretaceous. <i>Scientific Reports</i> , 2018, 8, 4197.	1.6	54
64	Deep Lithospheric Thickening and Refertilization beneath Continental Arcs: Case Study of the P, T and Compositional Evolution of Peridotite Xenoliths from the Sierra Nevada, California. <i>Journal of Petrology</i> , 2012, 53, 477-511.	1.1	53
65	Regulating continent growth and composition by chemical weathering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4981-4986.	3.3	52
66	Primitive off-rift basalts from Iceland and Jan Mayen: Os-isotopic evidence for a mantle source containing enriched subcontinental lithosphere. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3423-3449.	1.6	52
67	Lithosphere versus asthenosphere mantle sources at the Big Pine Volcanic Field, California. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	52
68	Geochemistry of Alpine serpentinites from rifting to subduction: A view across paleogeographic domains and metamorphic grade. <i>Chemical Geology</i> , 2014, 389, 29-47.	1.4	52
69	Platinum-group elements (PGE) and rhenium in marine sediments across the Cretaceous-Tertiary boundary: constraints on Re-PGE transport in the marine environment. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 655-670.	1.6	51
70	Thallium isotopes in early diagenetic pyrite – A paleoredox proxy?. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6690-6704.	1.6	51
71	Chalcophile behavior of thallium during MORB melting and implications for the sulfur content of the mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4905-4919.	1.0	51
72	Germanium/silicon of the Ediacaran-Cambrian Laobao cherts: Implications for the bedded chert formation and paleoenvironment interpretations. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 751-763.	1.0	51

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73	Fluid-mobile element budgets in serpentinitized oceanic lithospheric mantle: Insights from B, As, Li, Pb, PGEs and Os isotopes in the Feather River Ophiolite, California. <i>Chemical Geology</i> , 2007, 245, 230-241.	1.4	50
74	Crustal magmatic controls on the formation of porphyry copper deposits. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 542-557.	12.2	50
75	The effects of soil biota and fertilization on the success of <i>Sapium sebiferum</i> . <i>Applied Soil Ecology</i> , 2008, 38, 1-11.	2.1	47
76	Petrogenesis of serpentinites from the Franciscan Complex, western California, USA. <i>Lithos</i> , 2013, 178, 143-157.	0.6	47
77	Thickening, refertilization, and the deep lithosphere filter in continental arcs: Constraints from major and trace elements and oxygen isotopes. <i>Earth and Planetary Science Letters</i> , 2014, 397, 184-200.	1.8	47
78	Possible density segregation of subducted oceanic lithosphere along a weak serpentinite layer and implications for compositional stratification of the Earth's mantle. <i>Earth and Planetary Science Letters</i> , 2007, 255, 357-366.	1.8	46
79	Lithospheric mantle duplex beneath the central Mojave Desert revealed by xenoliths from Dish Hill, California. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
80	The early formation of the IVA iron meteorite parent body. <i>Earth and Planetary Science Letters</i> , 2010, 296, 469-480.	1.8	46
81	Large-scale tectonic cycles in Europe revealed by distinct Pb isotope provinces. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3854-3864.	1.0	46
82	Quantifying trace element disequilibria in mantle xenoliths and abyssal peridotites. <i>Earth and Planetary Science Letters</i> , 2007, 257, 290-298.	1.8	45
83	Recommended mineral-melt partition coefficients for FRTEs (Cu), Ga, and Ge during mantle melting. <i>American Mineralogist</i> , 2015, 100, 2533-2544.	0.9	45
84	Signatures of the ϵ Process in Presolar Silicon Carbide Grains: Barium through Hafnium. <i>Astrophysical Journal</i> , 2006, 647, 676-684.	1.6	44
85	On the formation of an inverted weathering profile on Mount Kilimanjaro, Tanzania: Buried paleosol or groundwater weathering?. <i>Chemical Geology</i> , 2006, 235, 205-221.	1.4	43
86	Role of arc magmatism and lower crustal foundering in controlling elevation history of the Nevadaplano and Colorado Plateau: A case study of pyroxenitic lower crust from central Arizona, USA. <i>Earth and Planetary Science Letters</i> , 2016, 439, 48-57.	1.8	43
87	Experimental determination of the metal/silicate partition coefficient of Germanium: Implications for core and mantle differentiation. <i>Earth and Planetary Science Letters</i> , 2011, 304, 379-388.	1.8	42
88	MIL 03443, a dunite from asteroid 4 Vesta: Evidence for its classification and cumulate origin. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1133-1151.	0.7	42
89	Compositional constraints on the genesis of diogenites. <i>Meteoritics and Planetary Science</i> , 2012, 47, 72-98.	0.7	42
90	Oceanic- and continental-type metamorphic terranes: Occurrence and exhumation mechanisms. <i>Earth-Science Reviews</i> , 2014, 139, 33-46.	4.0	40

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91	Recycling reduced iron at the base of magmatic orogens. <i>Earth and Planetary Science Letters</i> , 2019, 528, 115827.	1.8	40
92	Trace elemental analysis of airborne particulate matter using dynamic reaction cell inductively coupled plasma $\text{â€}^{\text{â€}}$ mass spectrometry: Application to monitoring episodic industrial emission events. <i>Analytica Chimica Acta</i> , 2011, 686, 40-49.	2.6	39
93	Geochemistry and thermodynamics of an earthquake: A case study of pseudotachylites within mylonitic granitoid. <i>Earth and Planetary Science Letters</i> , 2015, 430, 235-248.	1.8	38
94	A gravimetric K_2OsCl_6 standard: Application to precise and accurate Os spike calibration. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2113-2127.	1.6	37
95	Imag(in)ing the continental lithosphere. <i>Tectonophysics</i> , 2006, 416, 167-185.	0.9	37
96	Germanium/silica ratios in diagenetic chert nodules from the Ediacaran Doushantuo Formation, South China. <i>Chemical Geology</i> , 2011, 280, 323-335.	1.4	37
97	Lithium systematics in global arc magmas and the importance of crustal thickening for lithium enrichment. <i>Nature Communications</i> , 2020, 11, 5313.	5.8	37
98	On the origin of hot metasedimentary quartzites in the lower crust of continental arcs. <i>Earth and Planetary Science Letters</i> , 2013, 361, 120-133.	1.8	36
99	Magmatic recharge in continental flood basalts: Insights from the C hifeng igneous province in I nner M ongolia. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2082-2096.	1.0	36
100	New bulk sulfur measurements of Martian meteorites and modeling the fate of sulfur during melting and crystallization $\text{â€}^{\text{â€}}$ Implications for sulfur transfer from Martian mantle to crust $\text{â€}^{\text{â€}}$ atmosphere system. <i>Earth and Planetary Science Letters</i> , 2015, 409, 157-167.	1.8	36
101	Geochemical evidence for exhumation of eclogite via serpentinite channels in ocean-continent subduction zones. , 2009, 5, 426-438.		35
102	Crustal thickening and endogenic oxidation of magmatic sulfur. <i>Science Advances</i> , 2020, 6, eaba6342.	4.7	34
103	Sulfur isotopic compositions of deep arc cumulates. <i>Earth and Planetary Science Letters</i> , 2018, 500, 76-85.	1.8	33
104	Magnesium isotope systematics of endoskarns: Implications for wallrock reaction in magma chambers. <i>Chemical Geology</i> , 2013, 356, 209-214.	1.4	32
105	Episodes of fast crystal growth in pegmatites. <i>Nature Communications</i> , 2020, 11, 4986.	5.8	32
106	A Framework for Understanding Whole-Earth Carbon Cycling. , 2019, , 313-357.		30
107	Internal distribution of Li and B in serpentinites from the Feather River Ophiolite, California, based on laser ablation inductively coupled plasma mass spectrometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	29
108	A trio of laser ablation in concert with two ICP $\text{â€}^{\text{â€}}$ MSs: Simultaneous, pulse $\text{â€}^{\text{â€}}$ by $\text{â€}^{\text{â€}}$ pulse determination of U $\text{â€}^{\text{â€}}$ Pb discordant ages and a single spot Hf isotope ratio analysis in complex zircons from petrographic thin sections. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	28

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109	Boron isotopic variations in NW USA rhyolites: Yellowstone, Snake River Plain, Eastern Oregon. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 188, 162-172.	0.8	26
110	Copper conundrums. <i>Nature Geoscience</i> , 2014, 7, 10-11.	5.4	26
111	Evolution and maturation of the nascent Mariana arc. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115912.	1.8	26
112	Similarities between Archean high MgO eclogites and Phanerozoic arc-eclogite cumulates and the role of arcs in Archean continent formation. <i>Earth and Planetary Science Letters</i> , 2007, 256, 510-520.	1.8	25
113	Coupled magmatism-erosion in continental arcs: Reconstructing the history of the Cretaceous Peninsular Ranges batholith, southern California through detrital hornblende barometry in forearc sediments. <i>Earth and Planetary Science Letters</i> , 2017, 472, 69-81.	1.8	24
114	An imbalance in the deep water cycle at subduction zones: The potential importance of the fore-arc mantle. <i>Earth and Planetary Science Letters</i> , 2017, 479, 298-309.	1.8	23
115	Were deep cratonic mantle roots hydrated in Archean oceans?. <i>Geology</i> , 2009, 37, 667-670.	2.0	22
116	Rapid mantle convection drove massive crustal thickening in the late Archean. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 6-15.	1.6	22
117	Siderophile element partitioning between cohenite and liquid in the Fe-Ni-C system and implications for geochemistry of planetary cores and mantles. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 239-250.	1.6	20
118	Trace-element composition of Fe-rich residual liquids formed by fractional crystallization: Implications for the Hadean magma ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3601-3615.	1.6	17
119	Fluid-metasomatized mantle beneath the Ouachita belt of southern Laurentia: Fate of lithospheric mantle in a continental orogenic belt. <i>Lithosphere</i> , 2009, 1, 370-383.	0.6	17
120	Sequential extraction of labile elements and chemical characterization of a basaltic soil from Mt. Meru, Tanzania. <i>Journal of African Earth Sciences</i> , 2010, 57, 444-454.	0.9	17
121	Missing Lead and High $^3\text{He}/^4\text{He}$ in Ancient Sulfides Associated with Continental Crust Formation. <i>Scientific Reports</i> , 2014, 4, 5314.	1.6	16
122	Critical porosity of melt segregation during crustal melting: Constraints from zonation of peritectic garnets in a dacite volcano. <i>Earth and Planetary Science Letters</i> , 2016, 449, 127-134.	1.8	16
123	Does volcanism cause warming or cooling?. <i>Geology</i> , 2019, 47, 687-688.	2.0	16
124	GEOPHYSICS: Are Earth's Core and Mantle on Speaking Terms?. <i>Science</i> , 2004, 306, 64-65.	6.0	15
125	The role of serpentine in preferential craton formation in the late Archean by lithosphere underthrusting. <i>Earth and Planetary Science Letters</i> , 2008, 269, 96-104.	1.8	15
126	Sulfur Concentration in Geochemical Reference Materials by Solution Inductively Coupled Plasma-Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , 2014, 38, 51-60.	1.7	15

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127	Open-system Behavior during Pluton-Wall-rock Interaction as Constrained from a Study of Endoskarns in the Sierra Nevada Batholith, California. <i>Journal of Petrology</i> , 2011, 52, 1987-2008.	1.1	13
128	Rapid endogenic rock recycling in magmatic arcs. <i>Nature Communications</i> , 2021, 12, 3533.	5.8	13
129	Possible chemical modification of oceanic lithosphere by hotspot magmatism: Seismic evidence from the junction of Ninetyeast Ridge and the Sumatra-Andaman arc. <i>Earth and Planetary Science Letters</i> , 2008, 265, 386-395.	1.8	12
130	Intraplate volcanism. <i>Nature</i> , 2012, 482, 314-315.	13.7	12
131	Geochemical signals of mafic-felsic mixing: Case study of enclave swarms in the Bernasconi Hills pluton, California. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 649-660.	1.6	12
132	The contribution to exogenic CO ₂ by contact metamorphism at continental arcs: A coupled model of fluid flux and metamorphic decarbonation. <i>Numerische Mathematik</i> , 2019, 319, 631-657.	0.7	12
133	Hydrothermal circulation cools continental crust under exhumation. <i>Earth and Planetary Science Letters</i> , 2019, 515, 248-259.	1.8	11
134	In search for the missing arc root of the Southern California Batholith: P-T-t evolution of upper mantle xenoliths of the Colorado Plateau Transition Zone. <i>Earth and Planetary Science Letters</i> , 2020, 547, 116447.	1.8	11
135	Determination of Thallium in the USGS Class Reference Materials BIR-1, BHVO-2G and BCR-2G and Application to Quantitative Tl Concentrations by LA-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 337-343.	1.7	10
136	On the role of chemical weathering of continental arcs in long-term climate regulation: A case study of the Peninsular Ranges batholith, California (USA). <i>Earth and Planetary Science Letters</i> , 2019, 525, 115733.	1.8	9
137	Osmium Isotope Constraints on Tectonic Evolution of the Lithosphere in the Southwestern United States. <i>International Geology Review</i> , 2002, 44, 501-511.	1.1	8
138	Ge/Si Partitioning in Igneous Systems: Constraints From Laser Ablation ICP-MS Measurements on Natural Samples. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4472-4486.	1.0	8
139	Fast melt expulsion from crystal-rich mushes via induced anisotropic permeability. <i>Earth and Planetary Science Letters</i> , 2021, 571, 117113.	1.8	8
140	Geochemical diagnostics of metasedimentary dark enclaves: a case study from the Peninsular Ranges Batholith, southern California. <i>International Geology Review</i> , 2013, 55, 1049-1072.	1.1	7
141	Oxygen fugacity range of subducting crust inferred from fractionation of trace elements during fluid-present slab melting in the presence of anhydrite versus sulfide. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 325, 214-231.	1.6	7
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