Cin-Ty A Lee

List of Publications by Year
in descending order

163	12,130	25034	28297
papers	citations	57 h-index	105 g-index

173	173	173	7557
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxygen fugacity range of subducting crust inferred from fractionation of trace elements during fluid-present slab melting in the presence of anhydrite versus sulfide. Geochimica Et Cosmochimica Acta, 2022, 325, 214-231.	3.9	7
2	Temporal variations in the composition of Cretaceous Cordilleran arc volcanism through a high-frequency record of bentonites. Earth and Planetary Science Letters, 2022, 584, 117470.	4.4	0
3	Disequilibrium crystallization and rapid crystal growth: a case study of orbicular granitoids of magmatic origin. International Geology Review, 2021, 63, 900-916.	2.1	4
4	Using computer-aided image processing to estimate chemical composition of igneous rocks: A potential tool for large-scale compositional mapping. Solid Earth Sciences, 2021, 6, 12-26.	1.7	0
5	Rapid endogenic rock recycling in magmatic arcs. Nature Communications, 2021, 12, 3533.	12.8	13
6	Partitioning of chalcophile and highly siderophile elements (HSEs) between sulfide and carbonated melts â€“ Implications for HSE systematics of kimberlites, carbonatites, and melt metasomatized mantle domains. Geochimica Et Cosmochimica Acta, 2021, 305, 130-147.	3.9	6
7	Crustal magmatic controls on the formation of porphyry copper deposits. Nature Reviews Earth & Environment, 2021, 2, 542-557.	29.7	50
8	Fast melt expulsion from crystal-rich mushes via induced anisotropic permeability. Earth and Planetary Science Letters, 2021, 571, 117113.	4.4	8
9	Stable isotope (C, N, O, and H) study of a comprehensive set of feathers from two Setophaga citrina. PLoS ONE, 2021, 16, e0236536.	2.5	1
10	Thick crust, hydrous magmas, and the paradox of voluminous cold magmatism. Volcanica, 2021, 4, 227-238.	1.8	2
11	Rapid mantle convection drove massive crustal thickening in the late Archean. Geochimica Et Cosmochimica Acta, 2020, 278, 6-15.	3.9	22
12	How to make porphyry copper deposits. Earth and Planetary Science Letters, 2020, 529, 115868.	4.4	141
13	Evolution and maturation of the nascent Mariana arc. Earth and Planetary Science Letters, 2020, 530, 115912.	4.4	26
14	Sulfide-bearing cumulates in deep continental arcs: The missing copper reservoir. Earth and Planetary Science Letters, 2020, 531, 115971.	4.4	57
15	Reply to Comment from Zafar, Leng and Chen on â€œSulfide-bearing cumulates in deep continental arcs: The missing copper reservoirâ€•by Chen et al. (Earth Planet. Sci. Lett. 531 (2020) 115971). Earth and Planetary Science Letters, 2020, 551, 116592.	4.4	0
16	Episodes of fast crystal growth in pegmatites. Nature Communications, 2020, 11, 4986.	12.8	32
17	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. Earth and Planetary Science Letters, 2020, 547, 116447.	4.4	11
18	Crustal thickening and endogenic oxidation of magmatic sulfur. Science Advances, 2020, 6, eaba6342.	10.3	34

#	Article	IF	Citations
19	Lithium systematics in global arc magmas and the importance of crustal thickening for lithium enrichment. Nature Communications, 2020, 11, 5313.	12.8	37
20	Large Silicic Eruptions, Episodic Recharge, and the Transcrustal Magmatic System. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009220.	2.5	3
21	The continents: Origin, evolution, and interactions with other reservoirs. Geochimica Et Cosmochimica Acta, 2020, 278, 1-5.	3.9	0
22	Petrogenesis of the cogenetic Stewart pegmatite-aplite, Pala, California: Regional implications. Lithosphere, 2019, 11, 91-128.	1.4	6
23	Does volcanism cause warming or cooling?. Geology, 2019, 47, 687-688.	4.4	16
24	Ge/Si Partitioning in Igneous Systems: Constraints From Laser Ablation ICPâ€MS Measurements on Natural Samples. Geochemistry, Geophysics, Geosystems, 2019, 20, 4472-4486.	2.5	8
25	A Framework for Understanding Whole-Earth Carbon Cycling. , 2019, , 313-357.		30
26	The contribution to exogenic CO₂ by contact metamorphism at continental arcs: A coupled model of fluid flux and metamorphic decarbonation. Numerische Mathematik, 2019, 319, 631-657.	1.4	12
27	On the role of chemical weathering of continental arcs in long-term climate regulation: A case study of the Peninsular Ranges batholith, California (USA). Earth and Planetary Science Letters, 2019, 525, 115733.	4.4	9
28	Recycling reduced iron at the base of magmatic orogens. Earth and Planetary Science Letters, 2019, 528, 115827.	4.4	40
29	Hydrothermal circulation cools continental crust under exhumation. Earth and Planetary Science Letters, 2019, 515, 248-259.	4.4	11
30	Nb/Ta systematics in arc magma differentiation and the role of arclogites in continent formation. Nature Communications, 2019, 10, 235.	12.8	60
31	Influence of water on granite generation: Modeling and perspective. Journal of Asian Earth Sciences, 2019, 174, 126-134.	2.3	5
32	Volcanic ash as a driver of enhanced organic carbon burial in the Cretaceous. Scientific Reports, 2018, 8, 4197.	3.3	54
33	Deep mantle roots and continental emergence: implications for whole-Earth elemental cycling, long-term climate, and the Cambrian explosion. International Geology Review, 2018, 60, 431-448.	2.1	58
34	Geochemical signals of mafic-felsic mixing: Case study of enclave swarms in the Bernasconi Hills pluton, California. Bulletin of the Geological Society of America, 2018, 130, 649-660.	3.3	12
35	The redox â€œfilterâ€•beneath magmatic orogens and the formation of continental crust. Science Advances, 2018, 4, eaar4444.	10.3	123
36	Sulfur isotopic compositions of deep arc cumulates. Earth and Planetary Science Letters, 2018, 500, 76-85.	4.4	33

#	Article	IF	Citations
37	Trace elements and U-Pb ages in petrified wood as indicators of paleo-hydrologic events. Chemical Geology, 2018, 493, 266-280.	3.3	3
38	Geochemical Classification of Elements. Encyclopedia of Earth Sciences Series, 2018, , 545-549.	0.1	3
39	Episodic nature of continental arc activity since 750 Ma: A global compilation. Earth and Planetary Science Letters, 2017, 461, 85-95.	4.4	91
40	Effects of crustal thickness on magmatic differentiation in subduction zone volcanism: A global study. Earth and Planetary Science Letters, 2017, 470, 96-107.	4.4	142
41	Lithospheric foundering and underthrusting imaged beneath Tibet. Nature Communications, 2017, 8, 15659.	12.8	111
42	Coupled magmatismâ€“erosion in continental arcs: Reconstructing the history of the Cretaceous Peninsular Ranges batholith, southern California through detrital hornblende barometry in forearc sediments. Earth and Planetary Science Letters, 2017, 472, 69-81.	4.4	24
43	An imbalance in the deep water cycle at subduction zones: The potential importance of the fore-arc mantle. Earth and Planetary Science Letters, 2017, 479, 298-309.	4.4	23
44	Two-step rise of atmospheric oxygen linked to the growth of continents. Nature Geoscience, 2016, 9, 417-424.	12.9	162
45	Continental arc volcanism as the principal driver of icehouse-greenhouse variability. Science, 2016, 352, 444-447.	12.6	269
46	Largeâ€scale tectonic cycles in <scp>E</scp>urope revealed by distinct <scp>P</scp>b isotope provinces. Geochemistry, Geophysics, Geosystems, 2016, 17, 3854-3864.	2.5	46
47	The Pliocene-Pleistocene transition had dual effects on North American migratory bird speciation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 462, 85-91.	2.3	6
48	Critical porosity of melt segregation during crustal melting: Constraints from zonation of peritectic garnets in a dacite volcano. Earth and Planetary Science Letters, 2016, 449, 127-134.	4.4	16
49	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. Earth and Planetary Science Letters, 2016, 439, 48-57.	4.4	43
50	Appreciation of peer reviewers for 2014. Geochemistry, Geophysics, Geosystems, 2015, 16, 2473-2479.	2.5	0
51	The rise and fall of continental arcs: Interplays between magmatism, uplift, weathering, and climate. Earth and Planetary Science Letters, 2015, 425, 105-119.	4.4	115
52	An intrinsic volatility scale relevant to the Earth and Moon and the status of water in the Moon. Meteoritics and Planetary Science, 2015, 50, 568-577.	1.6	62
53	Continental crust formation at arcs, the arclogite â€œdelaminationâ€•cycle, and one origin for fertile melting anomalies in the mantle. Science Bulletin, 2015, 60, 1141-1156.	9.0	81
54	Rise of the continents. Nature Geoscience, 2015, 8, 506-507.	12.9	5

#	Article	IF	Citations
55	Germanium/silicon of the Ediacaran-Cambrian Laobao cherts: Implications for the bedded chert formation and paleoenvironment interpretations. Geochemistry, Geophysics, Geosystems, 2015, 16, 751-763.	2.5	51
56	Sulfur determination by laser ablation high resolution magnetic sector ICP-MS applied to glasses, aphyric lavas, and micro-laminated sediments. Diqiu Huaxue, 2015, 34, 273-288.	0.5	4
57	Global Continental Arc Flare-ups and Their Relation to Long-Term Greenhouse Conditions. Elements, 2015, 11, 125-130.	0.5	74
58	Magmatic recharge in continental flood basalts: Insights from the <scp>C</scp>hifeng igneous province in <scp>I</scp>nner <scp>M</scp>ongolia. Geochemistry, Geophysics, Geosystems, 2015, 16, 2082-2096.	2.5	36
59	Field and model constraints on silicic melt segregation by compaction/hindered settling: The role of water and its effect on latent heat release. American Mineralogist, 2015, 100, 1762-1777.	1.9	77
60	Geochemistry and thermodynamics of an earthquake: A case study of pseudotachylites within mylonitic granitoid. Earth and Planetary Science Letters, 2015, 430, 235-248.	4.4	38
61	Recommended mineral-melt partition coefficients for FRTEs (Cu), Ga, and Ge during mantle melting. American Mineralogist, 2015, 100, 2533-2544.	1.9	45
62	Refertilization-driven destabilization of subcontinental mantle and the importance of initial lithospheric thickness for the fate of continents. Earth and Planetary Science Letters, 2015, 409, 225-231.	4.4	58
63	High silica granites: Terminal porosity and crystal settling in shallow magma chambers. Earth and Planetary Science Letters, 2015, 409, 23-31.	4.4	282
64	New bulk sulfur measurements of Martian meteorites and modeling the fate of sulfur during melting and crystallization â€“ Implications for sulfur transfer from Martian mantle to crustâ€“atmosphere system. Earth and Planetary Science Letters, 2015, 409, 157-167.	4.4	36
65	Low-initial-Sr felsic plutons of the northwestern Peninsular Ranges batholith, southern California, and the role of mafic-felsic magma mixing in continental crust formation. , 2014, , .		3
66	Chalcophile behavior of thallium during <scp>MORB</scp> melting and implications for the sulfur content of the mantle. Geochemistry, Geophysics, Geosystems, 2014, 15, 4905-4919.	2.5	51
67	Sulfur Concentration in Geochemical Reference Materials by Solution Inductively Coupled Plasmaâ€Mass Spectrometry. Geostandards and Geoanalytical Research, 2014, 38, 51-60.	3.1	15
68	How important is the role of crystal fractionation in making intermediate magmas? Insights from Zr and P systematics. Earth and Planetary Science Letters, 2014, 393, 266-274.	4.4	325
69	Copper conundrums. Nature Geoscience, 2014, 7, 10-11.	12.9	26
70	Calculating melting temperatures and pressures of peridotite protoliths: Implications for the origin of cratonic mantle. Earth and Planetary Science Letters, 2014, 403, 273-286.	4.4	56
71	Geochemistry of Alpine serpentinites from rifting to subduction: A view across paleogeographic domains and metamorphic grade. Chemical Geology, 2014, 389, 29-47.	3.3	52
72	Oceanic- and continental-type metamorphic terranes: Occurrence and exhumation mechanisms. Earth-Science Reviews, 2014, 139, 33-46.	9.1	40

#	Article	IF	Citations
73	Maficâ€“felsic magma mixing limited by reactive processes: A case study of biotite-rich rinds on mafic enclaves. Earth and Planetary Science Letters, 2014, 393, 49-59.	4.4	85
74	Thickening, refertilization, and the deep lithosphere filter in continental arcs: Constraints from major and trace elements and oxygen isotopes. Earth and Planetary Science Letters, 2014, 397, 184-200.	4.4	47
75	Modeling the compositional evolution of recharging, evacuating, and fractionating (REFC) magma chambers: Implications for differentiation of arc magmas. Geochimica Et Cosmochimica Acta, 2014, 143, 8-22.	3.9	115
76	Ongoing lithospheric removal in the western Mediterranean: Evidence from Ps receiver functions and thermobarometry of Neogene basalts (PICASSO project). Geochemistry, Geophysics, Geosystems, 2014, 15, 1113-1127.	2.5	60
77	Missing Lead and High 3He/4He in Ancient Sulfides Associated with Continental Crust Formation. Scientific Reports, 2014, 4, 5314.	3.3	16
78	Magnesium isotope systematics of endoskarns: Implications for wallrock reaction in magma chambers. Chemical Geology, 2013, 356, 209-214.	3.3	32
79	Geochemical diagnostics of metasedimentary dark enclaves: a case study from the Peninsular Ranges Batholith, southern California. International Geology Review, 2013, 55, 1049-1072.	2.1	7
80	Siderophile element partitioning between cohenite and liquid in the Feâ€“Niâ€“Sâ€“C system and implications for geochemistry of planetary cores and mantles. Geochimica Et Cosmochimica Acta, 2013, 120, 239-250.	3.9	20
81	Asteroidal impacts and the origin of terrestrial and lunar volatiles. Icarus, 2013, 222, 44-52.	2.5	99
82	Petrogenesis of serpentinites from the Franciscan Complex, western California, USA. Lithos, 2013, 178, 143-157.	1.4	47
83	On the origin of hot metasedimentary quartzites in the lower crust of continental arcs. Earth and Planetary Science Letters, 2013, 361, 120-133.	4.4	36
84	Determination of Thallium in the <scp>USGS</scp> Glass Reference Materials <scp>BIR</scp>â€1G, <scp>BHVO</scp>â€2G and <scp>BCR</scp>â€2G and Application to Quantitative Tl Concentrations by <scp>LA</scp>â€<scp>ICP</scp>â€<scp>MS</scp>. Geostandards and Geoanalytical Research, 2013, 37, 337-343.	3.1	10
85	Continental arc-island arc fluctuations, growth of crustal carbonates, and long-term climate change. , 2013, 9, 21-36.		134
86	A Study of Cathodoluminescence and Trace Element Compositional Zoning in Natural Quartz from Volcanic Rocks: Mapping Titanium Content in Quartz. Microscopy and Microanalysis, 2012, 18, 1322-1341.	0.4	63
87	Copper Systematics in Arc Magmas and Implications for Crust-Mantle Differentiation. Science, 2012, 336, 64-68.	12.6	480
88	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	12.6	191
89	Compositional constraints on the genesis of diogenites. Meteoritics and Planetary Science, 2012, 47, 72-98.	1.6	42
90	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. Journal of Petrology, 2012, 53, 477-511.	2.8	53

#	Article	IF	Citations
91	Intraplate volcanism. Nature, 2012, 482, 314-315.	27.8	12
92	Acceptance of the 2009 F.W. Clarke Award. Geochimica Et Cosmochimica Acta, 2012, 89, 346-348.	3.9	0
93	A trio of laser ablation in concert with two ICPâ€MSs: Simultaneous, pulseâ€byâ€pulse determination of Uâ€Pb discordant ages and a single spot Hf isotope ratio analysis in complex zircons from petrographic thin sections. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	28
94	Lithosphere versus asthenosphere mantle sources at the Big Pine Volcanic Field, California. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	52
95	Continents, supercontinents, mantle thermal mixing, and mantle thermal isolation: Theory, numerical simulations, and laboratory experiments. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	70
96	Germanium/silica ratios in diagenetic chert nodules from the Ediacaran Doushantuo Formation, South China. Chemical Geology, 2011, 280, 323-335.	3.3	37
97	Thallium isotopes in early diagenetic pyrite â€“ A paleoredox proxy?. Geochimica Et Cosmochimica Acta, 2011, 75, 6690-6704.	3.9	51
98	Experimental determination of the metal/silicate partition coefficient of Germanium: Implications for core and mantle differentiation. Earth and Planetary Science Letters, 2011, 304, 379-388.	4.4	42
99	Mineralogical heterogeneities in the Earth's mantle: Constraints from Mn, Co, Ni and Zn partitioning during partial melting. Earth and Planetary Science Letters, 2011, 307, 395-408.	4.4	194
100	Building and Destroying Continental Mantle. Annual Review of Earth and Planetary Sciences, 2011, 39, 59-90.	11.0	393
101	Exploration of tektite formation processes through water and metal content measurements. Meteoritics and Planetary Science, 2011, 46, 1025-1032.	1.6	4
102	MIL 03443, a dunite from asteroid 4 Vesta: Evidence for its classification and cumulate origin. Meteoritics and Planetary Science, 2011, 46, 1133-1151.	1.6	42
103	Continuing Colorado plateau uplift by delamination-style convective lithospheric downwelling. Nature, 2011, 472, 461-465.	27.8	258
104	Trace elemental analysis of airborne particulate matter using dynamic reaction cell inductively coupled plasma â€“ mass spectrometry: Application to monitoring episodic industrial emission events. Analytica Chimica Acta, 2011, 686, 40-49.	5.4	39
105	Open-system Behavior during Pluton-Wall-rock Interaction as Constrained from a Study of Endoskarns in the Sierra Nevada Batholith, California. Journal of Petrology, 2011, 52, 1987-2008.	2.8	13
106	Sequential extraction of labile elements and chemical characterization of a basaltic soil from Mt. Meru, Tanzania. Journal of African Earth Sciences, 2010, 57, 444-454.	2.0	17
107	Upside-down differentiation and generation of a â€˜primordialâ€™ lower mantle. Nature, 2010, 463, 930-933.	27.8	149
108	The redox state of arc mantle using Zn/Fe systematics. Nature, 2010, 468, 681-685.	27.8	232

#	Article	IF	Citations
109	Zn/Fe systematics in mafic and ultramafic systems: Implications for detecting major element heterogeneities in the Earthâ€™s mantle. Geochimica Et Cosmochimica Acta, 2010, 74, 2779-2796.	3.9	249
110	Major element chemistry of ocean island basalts â€" Conditions of mantle melting and heterogeneity of mantle source. Earth and Planetary Science Letters, 2010, 289, 377-392.	4.4	166
111	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. Earth and Planetary Science Letters, 2010, 291, 1-9.	4.4	88
112	The early formation of the IVA iron meteorite parent body. Earth and Planetary Science Letters, 2010, 296, 469-480.	4.4	46
113	The Mg isotopic systematics of granitoids in continental arcs and implications for the role of chemical weathering in crust formation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20652-20657.	7.1	112
114	Geochemical evidence for exhumation of eclogite via serpentinite channels in ocean-continent subduction zones. , 2009, 5, 426-438.		35
115	Boron isotopic variations in NW USA rhyolites: Yellowstone, Snake River Plain, Eastern Oregon. Journal of Volcanology and Geothermal Research, 2009, 188, 162-172.	2.1	26
116	Constraints on the depths and temperatures of basaltic magma generation on Earth and other terrestrial planets using new thermobarometers for mafic magmas. Earth and Planetary Science Letters, 2009, 279, 20-33.	4.4	587
117	Primitive off-rift basalts from Iceland and Jan Mayen: Os-isotopic evidence for a mantle source containing enriched subcontinental lithosphere. Geochimica Et Cosmochimica Acta, 2009, 73, 3423-3449.	3.9	52
118	Lithospheric mantle duplex beneath the central Mojave Desert revealed by xenoliths from Dish Hill, California. Journal of Geophysical Research, 2009, 114, .	3.3	46
119	Were deep cratonic mantle roots hydrated in Archean oceans?. Geology, 2009, 37, 667-670.	4.4	22
120	Fluid-metasomatized mantle beneath the Ouachita belt of southern Laurentia: Fate of lithospheric mantle in a continental orogenic belt. Lithosphere, 2009, 1, 370-383.	1.4	17
121	Water contents in mantle xenoliths from the Colorado Plateau and vicinity: Implications for the mantle rheology and hydrationâ€induced thinning of continental lithosphere. Journal of Geophysical Research, 2008, 113, .	3.3	206
122	Internal distribution of Li and B in serpentinites from the Feather River Ophiolite, California, based on laser ablation inductively coupled plasma mass spectrometry. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	29
123	The effects of soil biota and fertilization on the success of Sapium sebiferum. Applied Soil Ecology, 2008, 38, 1-11.	4.3	47
124	Possible chemical modification of oceanic lithosphere by hotspot magmatism: Seismic evidence from the junction of Ninetyeast Ridge and the Sumatraâ€“Andaman arc. Earth and Planetary Science Letters, 2008, 265, 386-395.	4.4	12
125	Paleo-viscometry of magma bodies. Earth and Planetary Science Letters, 2008, 267, 100-106.	4.4	3
126	The role of serpentine in preferential craton formation in the late Archean by lithosphere underthrusting. Earth and Planetary Science Letters, 2008, 269, 96-104.	4.4	15

#	Article	IF	Citations
127	Regulating continent growth and composition by chemical weathering. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4981-4986.	7.1	52
128	Possible density segregation of subducted oceanic lithosphere along a weak serpentinite layer and implications for compositional stratification of the Earth's mantle. Earth and Planetary Science Letters, 2007, 255, 357-366.	4.4	46
129	Similarities between Archean high MgO eclogites and Phanerozoic arc-eclogite cumulates and the role of arcs in Archean continent formation. Earth and Planetary Science Letters, 2007, 256, 510-520.	4.4	25
130	Quantifying trace element disequilibria in mantle xenoliths and abyssal peridotites. Earth and Planetary Science Letters, 2007, 257, 290-298.	4.4	45
131	Episodic Precambrian subduction. Earth and Planetary Science Letters, 2007, 262, 552-562.	4.4	265
132	Petrology and tectonics of Phanerozoic continent formation: From island arcs to accretion and continental arc magmatism. Earth and Planetary Science Letters, 2007, 263, 370-387.	4.4	266
133	Correlation of seismic and petrologic thermometers suggests deep thermal anomalies beneath hotspots. Earth and Planetary Science Letters, 2007, 264, 308-316.	4.4	82
134	Fluid-mobile element budgets in serpentinized oceanic lithospheric mantle: Insights from B, As, Li, Pb, PGEs and Os isotopes in the Feather River Ophiolite, California. Chemical Geology, 2007, 245, 230-241.	3.3	50
135	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. Geochimica Et Cosmochimica Acta, 2007, 71, 481-496.	3.9	100
136	Trace-element composition of Fe-rich residual liquids formed by fractional crystallization: Implications for the Hadean magma ocean. Geochimica Et Cosmochimica Acta, 2007, 71, 3601-3615.	3.9	17
137	Geochemical/petrologic constraints on the origin of cratonic mantle. Geophysical Monograph Series, 2006, , 89-114.	0.1	55
138	Geochemical investigation of serpentinized oceanic lithospheric mantle in the Feather River Ophiolite, California: Implications for the recycling rate of water by subduction. Chemical Geology, 2006, 235, 161-185.	3.3	86
139	On the formation of an inverted weathering profile on Mount Kilimanjaro, Tanzania: Buried paleosol or groundwater weathering?. Chemical Geology, 2006, 235, 205-221.	3.3	43
140	Imag(in)ing the continental lithosphere. Tectonophysics, 2006, 416, 167-185.	2.2	37
141	Signatures of thesâ€Process in Presolar Silicon Carbide Grains: Barium through Hafnium. Astrophysical Journal, 2006, 647, 676-684.	4.5	44
142	The development and refinement of continental arcs by primary basaltic magmatism, garnet pyroxenite accumulation, basaltic recharge and delamination: insights from the Sierra Nevada, California. Contributions To Mineralogy and Petrology, 2006, 151, 222-242.	3.1	241
143	Trace Element Evidence for Hydrous Metasomatism at the Base of the North American Lithosphere and Possible Association with Laramide Lowâ€Angle Subduction. Journal of Geology, 2005, 113, 673-685.	1.4	87
144	Similar V/Sc Systematics in MORB and Arc Basalts: Implications for the Oxygen Fugacities of their Mantle Source Regions. Journal of Petrology, 2005, 46, 2313-2336.	2.8	364

#	Article	IF	Citations
145	The role of chemical boundary layers in regulating the thickness of continental and oceanic thermal boundary layers. Earth and Planetary Science Letters, 2005, 230, 379-395.	4.4	97
146	Meltâ€“peridotite interactions: Links between garnet pyroxenite and high-Mg# signature of continental crust. Earth and Planetary Science Letters, 2005, 234, 39-57.	4.4	160
147	GEOPHYSICS: Are Earth's Core and Mantle on Speaking Terms?. Science, 2004, 306, 64-65.	12.6	15
148	Trace-element evidence for the origin of desert varnish by direct aqueous atmospheric deposition. Earth and Planetary Science Letters, 2004, 224, 131-141.	4.4	108
149	Seismic constraints on the depth and composition of the mantle keel beneath the Kaapvaal craton. Earth and Planetary Science Letters, 2004, 224, 337-346.	4.4	58
150	Basaltic explosive volcanism, but no comet impact, at the Paleoceneâ€“Eocene boundary: high-resolution chemical and isotopic records from Egypt, Spain and Denmark. Earth and Planetary Science Letters, 2004, 225, 1-17.	4.4	96
151	The constancy of upper mantle fO2 through time inferred from V/Sc ratios in basalts. Earth and Planetary Science Letters, 2004, 228, 483-493.	4.4	203
152	Compositional variation of density and seismic velocities in natural peridotites at STP conditions: Implications for seismic imaging of compositional heterogeneities in the upper mantle. Journal of Geophysical Research, 2003, 108, .	3.3	266
153	Vanadium in peridotites as a proxy for paleo-fO2 during partial melting. Geochimica Et Cosmochimica Acta, 2003, 67, 3045-3064.	3.9	106
154	Platinum-group elements (PGE) and rhenium in marine sediments across the Cretaceousâ€“Tertiary boundary: constraints on Re-PGE transport in the marine environment. Geochimica Et Cosmochimica Acta, 2003, 67, 655-670.	3.9	51
155	Osmium Isotope Constraints on Tectonic Evolution of the Lithosphere in the Southwestern United States. International Geology Review, 2002, 44, 501-511.	2.1	8
156	Platinum-group element geochemistry of peridotite xenoliths from the Sierra Nevada and the Basin and Range, California. Geochimica Et Cosmochimica Acta, 2002, 66, 3987-4005.	3.9	60
157	Deep lithospheric dynamics beneath the Sierra Nevada during the Mesozoic and Cenozoic as inferred from xenolith petrology. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	66
158	A gravimetric K2OsCl6 standard: Application to precise and accurate Os spike calibration. Geochimica Et Cosmochimica Acta, 2001, 65, 2113-2127.	3.9	37
159	Preservation of ancient and fertile lithospheric mantle beneath the southwestern United States. Nature, 2001, 411, 69-73.	27.8	167
160	An internal normalization technique for unmixing total-spiked mixtures with application to MC-ICP-MS. Computers and Geosciences, 2001, 27, 577-581.	4.2	6
161	Petrologic and geochemical investigation of carbonates in peridotite xenoliths from northeastern Tanzania. Contributions To Mineralogy and Petrology, 2000, 139, 470-484.	3.1	75
162	Osmium Isotopic Evidence for Mesozoic Removal of Lithospheric Mantle Beneath the Sierra Nevada, California. Science, 2000, 289, 1912-1916.	12.6	114

#	Article	IF	Citations
163	Re-Os systematics of mantle xenoliths from the East African Rift: age, structure, and history of the Tanzanian craton. Geochimica Et Cosmochimica Acta, 1999, 63, 1203-1217.	3.9	196