

Timothy Grove

List of Publications by Year in descending order

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163
papers

21,011
citations

8181

76
h-index

9589

142
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168
all docs

168
docs citations

168
times ranked

7067
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Reverse Petrogen</i> : A Multiphase Dry Reverse Fractional Crystallization-Mantle Melting Thermobarometer Applied to 13,589 Mid-Ocean Ridge Basalt Glasses. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021292.	3.4	7
2	MAGMARS: A Melting Model for the Martian Mantle and FeO-Rich Peridotite. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006985.	3.6	5
3	Origins of Major Element, Trace Element, and Isotope Garnet Signatures in Mid-Ocean Ridge Basalts. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019612.	3.4	10
4	Formation of primitive achondrites by partial melting of alkali-undepleted planetesimals in the inner solar system. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 358-376.	3.9	19
5	Widespread production of silica- and alkali-rich melts at the onset of planetesimal melting. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 334-357.	3.9	26
6	Incremental melting in the ureilite parent body: Initial composition, melting temperatures, and melt compositions. <i>Meteoritics and Planetary Science</i> , 2020, 55, 832-856.	1.6	22
7	H ₂ O-rich mantle melting near the slab-wedge interface. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	31
8	Magmatic processes leading to compositional diversity in igneous rocks: Bowen (1928) revisited. <i>Numerische Mathematik</i> , 2018, 318, 1-28.	1.4	20
9	Origin of Primitive Tholeiitic and Calc-Alkaline Basalts at Newberry Volcano, Oregon. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1360-1377.	2.5	11
10	The Chemical Composition of Mercury. , 2018, , 30-51.		43
11	Crystallization of the lunar magma ocean and the primordial mantle-crust differentiation of the Moon. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 234, 50-69.	3.9	102
12	A two-billion-year history for the lunar dynamo. <i>Science Advances</i> , 2017, 3, e1700207.	10.3	71
13	Controls on the stability and composition of amphibole in the Earth's mantle. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	71
14	Experiments on melt-rock reaction in the shallow mantle wedge. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	20
15	Melting processes and mantle sources of lavas on Mercury. <i>Earth and Planetary Science Letters</i> , 2016, 439, 117-128.	4.4	77
16	Melting systematics in mid-ocean ridge basalts: Application of a plagioclase-spinel melting model to global variations in major element chemistry and crustal thickness. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4863-4886.	3.4	43
17	Magnetism of a very young lunar glass. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1720-1735.	3.6	36
18	Melting the hydrous, subarc mantle: the origin of primitive andesites. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	3.1	64

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19	Acceptance of the 2014 V.M. Goldschmidt Award of the Geochemical Society by Timothy L. Grove. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 159, 300.	3.9	0
20	Melting of the primitive martian mantle at 0.5–2.2 GPa and the origin of basalts and alkaline rocks on Mars. <i>Earth and Planetary Science Letters</i> , 2015, 427, 83-94.	4.4	41
21	Melting the Earth's Upper Mantle. , 2015, , 35-47.		4
22	Trace element mineral/melt partitioning for basaltic and basaltic andesitic melts: An experimental and laser ICP-MS study with application to the oxidation state of mantle source regions. <i>Earth and Planetary Science Letters</i> , 2014, 392, 265-278.	4.4	148
23	Straddling the tholeiitic/calc-alkaline transition: the effects of modest amounts of water on magmatic differentiation at Newberry Volcano, Oregon. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	3.1	30
24	Controlled atmosphere thermal demagnetization and paleointensity analyses of extraterrestrial rocks. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2733-2743.	2.5	23
25	Depths and temperatures of 10.5 Ma mantle melting and the lithosphere–asthenosphere boundary below southern Oregon and northern California. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 864-879.	2.5	56
26	Melts of garnet lherzolite: experiments, models and comparison to melts of pyroxenite and carbonated lherzolite. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 887-910.	3.1	50
27	Experimental petrology of the Apollo 15 group A green glasses: Melting primordial lunar mantle and magma ocean cumulate assimilation. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 216-230.	3.9	24
28	Compositional and kinetic controls on liquid immiscibility in ferrobasalt–rhyolite volcanic and plutonic series. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 113, 79-93.	3.9	71
29	Phase equilibria of ultramafic compositions on Mercury and the origin of the compositional dichotomy. <i>Earth and Planetary Science Letters</i> , 2013, 363, 50-60.	4.4	78
30	Persistence and origin of the lunar core dynamo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8453-8458.	7.1	64
31	A Long-Lived Lunar Core Dynamo. <i>Science</i> , 2012, 335, 453-456.	12.6	94
32	Mantle dynamics beneath the Pacific Northwest and the generation of voluminous back-arc volcanism. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	54
33	Reply to "Comment on "The beginnings of hydrous mantle wedge melting" by Till et al."™ by Stalder. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 1073-1076.	3.1	5
34	Reply to "Comment on "The beginnings of hydrous mantle wedge melting" by Till et al."™ by Green, Rosenthal and Kovacs. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 1083-1085.	3.1	4
35	An Ancient Core Dynamo in Asteroid Vesta. <i>Science</i> , 2012, 338, 238-241.	12.6	81
36	Magnetic fidelity of lunar samples and implications for an ancient core dynamo. <i>Earth and Planetary Science Letters</i> , 2012, 337-338, 93-103.	4.4	41

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37	Experimental investigation of the influence of oxygen fugacity on the source depths for high titanium lunar ultramafic magmas. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 79, 1-19.	3.9	46
38	A melting model for variably depleted and enriched lherzolite in the plagioclase and spinel stability fields. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	60
39	The Role of H ₂ O in Subduction Zone Magmatism. <i>Annual Review of Earth and Planetary Sciences</i> , 2012, 40, 413-439.	11.0	472
40	Experiments on liquid immiscibility along tholeiitic liquid lines of descent. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 27-44.	3.1	177
41	The beginnings of hydrous mantle wedge melting. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 669-688.	3.1	156
42	Amphibole stability in primitive arc magmas: effects of temperature, H ₂ O content, and oxygen fugacity. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 317-339.	3.1	152
43	Along-Arc Variations in the Pre-Eruptive H ₂ O Contents of Mariana Arc Magmas Inferred from Fractionation Paths. <i>Journal of Petrology</i> , 2011, 52, 257-278.	2.8	62
44	Water (hydrogen) in the lunar mantle: Results from petrology and magma ocean modeling. <i>Earth and Planetary Science Letters</i> , 2011, 307, 173-179.	4.4	99
45	Segregating gas from melt: an experimental study of the Ostwald ripening of vapor bubbles in magmas. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 331-347.	3.1	38
46	The origin of high-Mg magmas in Mt Shasta and Medicine Lake volcanoes, Cascade Arc (California): higher and lower than mantle oxygen isotope signatures attributed to current and past subduction. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 945-960.	3.1	31
47	AuPdFe ternary solution model and applications to understanding the fO ₂ of hydrous, high-pressure experiments. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 631-643.	3.1	44
48	Grove et al. reply. <i>Nature</i> , 2010, 468, E7-E8.	27.8	8
49	Two Contrasting H ₂ O-rich Components in Primary Melt Inclusions from Mount Shasta. <i>Journal of Petrology</i> , 2010, 51, 1571-1595.	2.8	68
50	Mantle Melting as a Function of Water Content beneath the Mariana Arc. <i>Journal of Petrology</i> , 2010, 51, 1711-1738.	2.8	193
51	Kinematic variables and water transport control the formation and location of arc volcanoes. <i>Nature</i> , 2009, 459, 694-697.	27.8	174
52	Lunar Mare Volcanism: Where Did the Magmas Come From?. <i>Elements</i> , 2009, 5, 29-34.	0.5	66
53	Hydrous komatiites from Comondale, South Africa: An experimental study. <i>Earth and Planetary Science Letters</i> , 2009, 284, 199-207.	4.4	18
54	¹⁸² Hf- ¹⁸² W chronometry and early differentiation of the ureilite parent body. <i>Earth and Planetary Science Letters</i> , 2009, 288, 611-618.	4.4	19

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55	Melt generation, crystallization, and extraction beneath segmented oceanic transform faults. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	71
56	The effect of H ₂ O on the olivine liquidus of basaltic melts: experiments and thermodynamic models. <i>Contributions To Mineralogy and Petrology</i> , 2008, 155, 417-432.	3.1	195
57	How partial melts of mafic lower crust affect ascending magmas at oceanic ridges. <i>Contributions To Mineralogy and Petrology</i> , 2008, 156, 49-71.	3.1	54
58	Eruptive history and tectonic setting of Medicine Lake Volcano, a large rear-arc volcano in the southern Cascades. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 313-328.	2.1	41
59	Oxygen fugacity, temperature reproducibility, and H ₂ O contents of nominally anhydrous piston-cylinder experiments using graphite capsules. <i>American Mineralogist</i> , 2008, 93, 1838-1844.	1.9	148
60	Library of Experimental Phase Relations (LEPR): A database and Web portal for experimental magmatic phase equilibria data. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	72
61	Mantle melting beneath the Tibetan Plateau: Experimental constraints on ultrapotassic magmatism. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	54
62	Experimental petrology of the Mars Pathfinder rock composition: Constraints on the interpretation of Martian reflectance spectra. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	1
63	Origin of lunar high-titanium ultramafic glasses: A hybridized source?. <i>Earth and Planetary Science Letters</i> , 2008, 268, 182-189.	4.4	13
64	Sulfur-induced greenhouse warming on early Mars. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	86
65	High-magnesian andesite from Mount Shasta: A product of magma mixing and contamination, not a primitive melt: COMMENT AND REPLY: COMMENT. <i>Geology</i> , 2007, 35, e147-e147.	4.4	8
66	Chapter 5.4 Volcanology of the Barberton Greenstone Belt, South Africa: Inflation and Evolution of Flow Fields. <i>Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana</i> , 2007, 15, 527-570.	0.2	8
67	Citation for Presentation of the 2005 F.W. Clarke Award to James A. Van Orman. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, S19.	3.9	0
68	Phase equilibrium investigations of the Adirondack class basalts from the Gusev plains, Gusev crater, Mars. <i>Meteoritics and Planetary Science</i> , 2007, 42, 131-148.	1.6	81
69	Mantle melting as a function of water content beneath back-arc basins. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	240
70	The influence of H ₂ O on mantle wedge melting. <i>Earth and Planetary Science Letters</i> , 2006, 249, 74-89.	4.4	406
71	Lithium isotope fractionation in the southern Cascadia subduction zone. <i>Earth and Planetary Science Letters</i> , 2006, 250, 428-443.	4.4	92
72	Experimental constraints on ureilite petrogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1291-1308.	3.9	21

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73	Early hydrous melting and degassing of the Martian interior. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	51
74	Thermal and Magmatic Evolution of the Moon. <i>Reviews in Mineralogy and Geochemistry</i> , 2006, 60, 365-518.	4.8	372
75	Helium solubility in olivine and implications for high $^3\text{He}/^4\text{He}$ in ocean island basalts. <i>Nature</i> , 2005, 437, 1140-1143.	27.8	125
76	Magnesian andesite and dacite lavas from Mt. Shasta, northern California: products of fractional crystallization of H ₂ O-rich mantle melts. <i>Contributions To Mineralogy and Petrology</i> , 2005, 148, 542-565.	3.1	177
77	Silica and volatile-element metasomatism of Archean mantle: a xenolith-scale example from the Kaapvaal Craton. <i>Contributions To Mineralogy and Petrology</i> , 2005, 150, 251-267.	3.1	114
78	The early differentiation history of Mars from ^{182}W - ^{142}Nd isotope systematics in the SNC meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4557-4571.	3.9	173
79	The effect of metal composition on Fe-Ni partition behavior between olivine and FeNi-metal, FeNi-carbide, FeNi-sulfide at elevated pressure. <i>Chemical Geology</i> , 2005, 221, 207-224.	3.3	10
80	Oxygen isotope evidence for slab melting in modern and ancient subduction zones. <i>Earth and Planetary Science Letters</i> , 2005, 235, 480-496.	4.4	217
81	A subduction origin for komatiites and cratonic lithospheric mantle. <i>South African Journal of Geology</i> , 2004, 107, 107-118.	1.2	118
82	Harzburgite melting with and without H ₂ O: Experimental data and predictive modeling. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	171
83	Magmatic effects of the lunar late heavy bombardment. <i>Earth and Planetary Science Letters</i> , 2004, 222, 17-27.	4.4	82
84	Thermal evolution of the Earth as recorded by komatiites. <i>Earth and Planetary Science Letters</i> , 2004, 219, 173-187.	4.4	234
85	Constraints on the pre-metamorphic trace element composition of Barberton komatiites from ion probe analyses of preserved clinopyroxene. <i>Contributions To Mineralogy and Petrology</i> , 2003, 144, 383-396.	3.1	52
86	Mineral/melt partitioning of trace elements during hydrous peridotite partial melting. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 391-405.	3.1	107
87	Fractional crystallization and mantle-melting controls on calc-alkaline differentiation trends. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 515-533.	3.1	623
88	Absarokites from the western Mexican Volcanic Belt: constraints on mantle wedge conditions. <i>Contributions To Mineralogy and Petrology</i> , 2003, 146, 10-27.	3.1	39
89	Evidence for deep melting of hydrous metasomatized mantle: Pliocene high-potassium magmas from the Sierra Nevadas. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	60
90	Magmatic processes that produced lunar fire fountains. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	30

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91	Constraints on the composition and petrogenesis of the Martian crust. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	138
92	Experimental and petrological constraints on lunar differentiation from the Apollo 15 green picritic glasses. <i>Meteoritics and Planetary Science</i> , 2003, 38, 515-527.	1.6	76
93	Early petrologic processes on the ureilite parent body. <i>Meteoritics and Planetary Science</i> , 2003, 38, 95-108.	1.6	83
94	Experimental constraints on melt generation in the mantle wedge. <i>Geophysical Monograph Series</i> , 2003, , 107-134.	0.1	41
95	Sulfur saturation limits in silicate melts and their implications for core formation scenarios for terrestrial planets. <i>American Mineralogist</i> , 2002, 87, 227-237.	1.9	164
96	Re-examination of the lunar magma ocean cumulate overturn hypothesis: melting or mixing is required. <i>Earth and Planetary Science Letters</i> , 2002, 196, 239-249.	4.4	142
97	Diffusive fractionation of trace elements during production and transport of melt in Earth's upper mantle. <i>Earth and Planetary Science Letters</i> , 2002, 198, 93-112.	4.4	80
98	The role of an H ₂ O-rich fluid component in the generation of primitive basaltic andesites and andesites from the Mt. Shasta region, N California. <i>Contributions To Mineralogy and Petrology</i> , 2002, 142, 375-396.	3.1	431
99	Rare earth element diffusion in a natural pyrope single crystal at 2.8 GPa. <i>Contributions To Mineralogy and Petrology</i> , 2002, 142, 416-424.	3.1	232
100	The production of Barberton komatiites in an Archean Subduction Zone. <i>Geophysical Research Letters</i> , 2001, 28, 2513-2516.	4.0	159
101	Phase equilibria of the Shergotty meteorite: Constraints on pre-eruptive water contents of martian magmas and fractional crystallization under hydrous conditions. <i>Meteoritics and Planetary Science</i> , 2001, 36, 793-806.	1.6	83
102	The role of H ₂ O during crystallization of primitive arc magmas under uppermost mantle conditions and genesis of igneous pyroxenites: an experimental study. <i>Contributions To Mineralogy and Petrology</i> , 2001, 141, 643-658.	3.1	626
103	Rare earth element diffusion in diopside: influence of temperature, pressure, and ionic radius, and an elastic model for diffusion in silicates. <i>Contributions To Mineralogy and Petrology</i> , 2001, 141, 687-703.	3.1	355
104	Geochemical evidence for magmatic water within Mars from pyroxenes in the Shergotty meteorite. <i>Nature</i> , 2001, 409, 487-490.	27.8	176
105	Hot, shallow mantle melting under the Cascades volcanic arc. <i>Geology</i> , 2001, 29, 631.	4.4	90
106	Melt Production Beneath Mt. Shasta from Boron Data in Primitive Melt Inclusions. <i>Science</i> , 2001, 293, 281-283.	12.6	64
107	Late Holocene hydrous mafic magmatism at the Paint Pot Crater and Callahan flows, Medicine Lake Volcano, N. California and the influence of H ₂ O in the generation of silicic magmas. <i>Contributions To Mineralogy and Petrology</i> , 2000, 138, 1-16.	3.1	36
108	U-Th dating of single zircons from young granitoid xenoliths: new tools for understanding volcanic processes. <i>Earth and Planetary Science Letters</i> , 2000, 183, 291-302.	4.4	73

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109	Origin of lunar ultramafic green glasses: constraints from phase equilibrium studies. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 2339-2350.	3.9	66
110	Origin of lunar high-titanium ultramafic glasses: Constraints from phase relations and dissolution kinetics of clinopyroxene-ilmenite cumulates. <i>Meteoritics and Planetary Science</i> , 2000, 35, 783-794.	1.6	53
111	Textural equilibria of iron sulfide liquids in partly molten silicate aggregates and their relevance to core formation scenarios. <i>Journal of Geophysical Research</i> , 2000, 105, 13555-13567.	3.3	51
112	Wetting of mantle olivine by sulfide melt: implications for Re/Os ratios in mantle peridotite and late-stage core formation. <i>Earth and Planetary Science Letters</i> , 1999, 169, 147-163.	4.4	137
113	Melt/harzburgite reaction in the petrogenesis of tholeiitic magma from Kilauea volcano, Hawaii. <i>Contributions To Mineralogy and Petrology</i> , 1998, 131, 1-12.	3.1	81
114	Trace element abundances of high-MgO glasses from Kilauea, Mauna Loa and Haleakala volcanoes, Hawaii. <i>Contributions To Mineralogy and Petrology</i> , 1998, 131, 13-21.	3.1	12
115	The influence of water on melting of mantle peridotite. <i>Contributions To Mineralogy and Petrology</i> , 1998, 131, 323-346.	3.1	631
116	Uranium and thorium diffusion in diopside. <i>Earth and Planetary Science Letters</i> , 1998, 160, 505-519.	4.4	75
117	Experimental constraints on the origin of lunar high-Ti ultramafic glasses. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1315-1327.	3.9	88
118	Partitioning of moderately siderophile elements among olivine, silicate melt, and sulfide melt: Constraints on core formation in the Earth and Mars. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1829-1846.	3.9	244
119	Emplacement conditions of komatiite magmas from the 3.49 Ga Komati Formation, Barberton Greenstone Belt, South Africa. <i>Earth and Planetary Science Letters</i> , 1997, 150, 303-323.	4.4	239
120	Magmatic processes that generated the rhyolite of Glass Mountain, Medicine Lake volcano, N. California. <i>Contributions To Mineralogy and Petrology</i> , 1997, 127, 205-223.	3.1	188
121	Experiments and models of anhydrous, basaltic olivine-plagioclase-augite saturated melts from 0.001 to 10 kbar. <i>Contributions To Mineralogy and Petrology</i> , 1996, 124, 1-18.	3.1	219
122	Hornblende gabbro sill complex at Onion Valley, California, and a mixing origin for the Sierra Nevada batholith. <i>Contributions To Mineralogy and Petrology</i> , 1996, 126, 81-108.	3.1	214
123	Evidence of hydrous differentiation and crystal accumulation in the low-MgO, high-Al ₂ O ₃ Lake Basalt from Medicine Lake volcano, California. <i>Contributions To Mineralogy and Petrology</i> , 1995, 121, 201-216.	3.1	46
124	Partitioning of rare earth elements between clinopyroxene and silicate melt Crystal-chemical controls. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 1951-1962.	3.9	134
125	Primitive basalts and andesites from the Mt. Shasta region, N. California: products of varying melt fraction and water content. <i>Contributions To Mineralogy and Petrology</i> , 1994, 118, 111-129.	3.1	204
126	Experimental and natural partitioning of Th, U, Pb and other trace elements between garnet, clinopyroxene and basaltic melts. <i>Chemical Geology</i> , 1994, 117, 149-166.	3.3	589

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127	Experimental investigations of the role of H ₂ O in calc-alkaline differentiation and subduction zone magmatism. Contributions To Mineralogy and Petrology, 1993, 113, 143-166.	3.1	1,252
128	Temperatures and H ₂ O contents of low-MgO high-alumina basalts. Contributions To Mineralogy and Petrology, 1993, 113, 167-184.	3.1	347
129	Corrections to expressions for calculating mineral components in 'Origin of calc-alkaline series lavas at medicine lake volcano by fractionation, assimilation and mixing?' and 'Experimental petrology of normal MORB near the kane fracture zone: 22°½-25°½N, mid-atlantic ridge?'. Contributions To Mineralogy and Petrology, 1993, 114, 422-424.	3.1	65
130	The influence of water on the petrogenesis of subduction-related igneous rocks. Nature, 1993, 365, 332-334.	27.8	240
131	Corrections and further discussion of the primary magmas of mid-ocean ridge basalts, 1 and 2. Journal of Geophysical Research, 1993, 98, 22339-22347.	3.3	100
132	Ureilite smelting. Meteoritics, 1993, 28, 629-636.	1.4	71
133	The effect of oxygen fugacity on the partitioning of nickel and cobalt between olivine, silicate melt, and metal. Geochimica Et Cosmochimica Acta, 1992, 56, 3733-3743.	3.9	53
134	Primary magmas of mid-ocean ridge basalts 1. Experiments and methods. Journal of Geophysical Research, 1992, 97, 6885-6906.	3.3	403
135	Primary magmas of mid-ocean ridge basalts 2. Applications. Journal of Geophysical Research, 1992, 97, 6907-6926.	3.3	351
136	The Giant Crater Lava Field: Geology and geochemistry of a compositionally zoned, high-alumina basalt to basaltic andesite eruption at Medicine Lake Volcano, California. Journal of Geophysical Research, 1991, 96, 21843-21863.	3.3	48
137	Origin of compositional zonation (high-alumina basalt to basaltic andesite) in the Giant Crater Lava Field, Medicine Lake Volcano, northern California. Journal of Geophysical Research, 1991, 96, 21819-21842.	3.3	53
138	High pressure phase relations of primitive high-alumina basalts from Medicine Lake volcano, northern California. Contributions To Mineralogy and Petrology, 1991, 108, 253-270.	3.1	212
139	Experimental and major element constraints on the evolution of lavas from Lihir Island, Papua New Guinea. Contributions To Mineralogy and Petrology, 1990, 104, 722-734.	3.1	50
140	An experimental study on the effect of temperature and melt composition on the partitioning of nickel between olivine and silicate melt. Geochimica Et Cosmochimica Acta, 1990, 54, 1255-1265.	3.9	133
141	Post-1,000-year volcanism at Medicine Lake Volcano, Cascade Range, northern California. Journal of Geophysical Research, 1990, 95, 19693-19704.	3.3	60
142	Experimental investigations of low-Ca pyroxene stability and olivine-pyroxene-liquid equilibria at 1-atm in natural basaltic and andesitic liquids. Contributions To Mineralogy and Petrology, 1989, 103, 287-305.	3.1	168
143	Experimental constraints on the generation of FeTi basalts, andesites, and rhyodacites at the Galapagos Spreading Center, 85°W and 95°W. Journal of Geophysical Research, 1989, 94, 9251-9274.	3.3	236
144	Assimilation of granite by basaltic magma at Burnt Lava flow, Medicine Lake volcano, northern California: Decoupling of heat and mass transfer. Contributions To Mineralogy and Petrology, 1988, 99, 320-343.	3.1	139

#	ARTICLE	IF	CITATIONS
145	Pyroxene-melt equilibria: an updated model. Contributions To Mineralogy and Petrology, 1988, 100, 361-373.	3.1	18
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