

Fj Ryerson

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

3,661
citations

471061

17
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

2530
citing authors

#	ARTICLE	IF	CITATIONS
1	Mineral-aqueous fluid partitioning of trace elements at 900°C and 2.0 GPa: Constraints on the trace element chemistry of mantle and deep crustal fluids. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 3331-3350.	1.6	591
2	Rutile saturation in magmas: implications for TiNbTa depletion in island-arc basalts. <i>Earth and Planetary Science Letters</i> , 1987, 86, 225-239.	1.8	567
3	Lead diffusion in apatite and zircon using ion implantation and Rutherford Backscattering techniques. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 1663-1673.	1.6	429
4	Rutile-aqueous fluid partitioning of Nb, Ta, Hf, Zr, U and Th: implications for high field strength element depletions in island-arc basalts. <i>Earth and Planetary Science Letters</i> , 1994, 128, 327-339.	1.8	373
5	Implications of liquid-liquid distribution coefficients to mineral-liquid partitioning. <i>Geochimica Et Cosmochimica Acta</i> , 1978, 42, 921-932.	1.6	296
6	Behaviour of boron, beryllium, and lithium during melting and crystallization: constraints from mineral-melt partitioning experiments. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2129-2141.	1.6	225
7	Determination of oxygen self-diffusion in Årkermanite, anorthite, diopside, and spinel: Implications for oxygen isotopic anomalies and the thermal histories of Ca-Al-rich inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3713-3734.	1.6	178
8	Experimental determination of trace-element partitioning between pargasite and a synthetic hydrous andesitic melt. <i>Earth and Planetary Science Letters</i> , 1995, 135, 1-11.	1.8	168
9	The role of P ₂ O ₅ in silicate melts. <i>Geochimica Et Cosmochimica Acta</i> , 1980, 44, 611-624.	1.6	145
10	Oxide solution mechanisms in silicate melts: Systematic variations in the activity coefficient of SiO ₂ . <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 637-649.	1.6	142
11	Compositional controls on the partitioning of U, Th, Ba, Pb, Sr and Zr between clinopyroxene and haplobasaltic melts: implications for uranium series disequilibria in basalts. <i>Earth and Planetary Science Letters</i> , 1994, 128, 407-423.	1.8	142
12	Crystal chemical control of clinopyroxene-melt partitioning in the Di-Ab-An system: implications for elemental fractionations in the depleted mantle. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2849-2862.	1.6	124
13	A study of strontium diffusion in apatite using Rutherford backscattering spectroscopy and ion implantation. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 4653-4662.	1.6	105
14	Experimental constraints on the chemical evolution of large icy satellites. <i>Earth and Planetary Science Letters</i> , 2002, 203, 399-412.	1.8	53
15	The temperature of formation of carbonate in martian meteorite ALH84001: constraints from cation diffusion. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 311-321.	1.6	43
16	Partitioning of zirconium between clinopyroxene and magmatic liquids of intermediate composition. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 2523-2526.	1.6	34
17	Microstructure and Mineral Chemistry of Synroc-D. <i>Journal of the American Ceramic Society</i> , 1983, 66, 629-636.	1.9	22
18	The use of ion beam techniques to characterize lead diffusion in minerals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1990, 45, 230-233.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Thermal expansion of liquid Fe-S alloy at high pressure. Earth and Planetary Science Letters, 2021, 563, 116884.	1.8	8