Ilya V Veksler

List of Publications by Year
in descending order

30 papers	1,661 citations	361413 20 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1143 citing authors

#	Article	IF	Citations
1	Liquid immiscibility and its role at the magmaticâ€“hydrothermal transition: a summary of experimental studies. Chemical Geology, 2004, 210, 7-31.	3.3	191
2	Partitioning of elements between silicate melt and immiscible fluoride, chloride, carbonate, phosphate and sulfate melts, with implications to the origin of natrocarbonatite. Geochimica Et Cosmochimica Acta, 2012, 79, 20-40.	3.9	177
3	Partitioning of lanthanides and Y between immiscible silicate and fluoride melts, fluorite and cryolite and the origin of the lanthanide tetrad effect in igneous rocks. Geochimica Et Cosmochimica Acta, 2005, 69, 2847-2860.	3.9	175
4	Immiscible silicate liquid partition coefficients: implications for crystal-melt element partitioning and basalt petrogenesis. Contributions To Mineralogy and Petrology, 2006, 152, 685-702.	3.1	109
5	Experimental evidence of three coexisting immiscible fluids in synthetic granitic pegmatite. American Mineralogist, 2002, 87, 775-779.	1.9	100
6	Immiscible hydrous Feâ€“Caâ€“P melt and the origin of iron oxide-apatite ore deposits. Nature Communications, 2018, 9, 1415.	12.8	98
7	An experimental study of B-, P- and F-rich synthetic granite pegmatite at 0.1 and 0.2ÂGPa. Contributions To Mineralogy and Petrology, 2002, 143, 673-683.	3.1	97
8	Crystallization of the Skaergaard Intrusion from an Emulsion of Immiscible Iron- and Silica-rich Liquids: Evidence from Melt Inclusions in Plagioclase. Journal of Petrology, 2011, 52, 345-373.	2.8	95
9	Experimental study of REE, Ba, Sr, Mo and W partitioning between carbonatitic melt and aqueous fluid with implications for rare metal mineralization. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	83
10	Experimental Crystallization of Undercooled Felsic Liquids: Generation of Pegmatitic Texture. Journal of Petrology, 2017, 58, 539-568.	2.8	60
11	Partitioning of Mg, Ca, and Na between carbonatite melt and hydrous fluid at 0.1â€“0.2 GPa. Contributions To Mineralogy and Petrology, 2000, 138, 27-34.	3.1	42
12	Extreme iron enrichment and liquid immiscibility in mafic intrusions: Experimental evidence revisited. Lithos, 2009, 111, 72-82.	1.4	41
13	Trace-element composition of minerals and rocks in the Belaya Zima carbonatite complex (Russia): Implications for the mechanisms of magma evolution and carbonatite formation. Lithos, 2017, 284-285, 91-108.	1.4	36
14	Is natrocarbonatite a cognate fluid condensate?. Contributions To Mineralogy and Petrology, 2002, 142, 425-435.	3.1	33
15	Petrogenesis of the Ultrapotassic Fanshan Intrusion in the North China Craton: Implications for Lithospheric Mantle Metasomatism and the Origin of Apatite Ores. Journal of Petrology, 2015, 56, 893-918.	2.8	33
16	Phase equilibria in the silica-undersaturated part of the KAlSiO 4 - Mg 2 SiO 4 - Ca 2 SiO 4 - SiO 2 - F system at 1 atm and the larnite-normative trend of melt evolution. Contributions To Mineralogy and Petrology, 1998, 131, 347-363.	3.1	30
17	A fundamental dispute: A discussion of â€œOn some fundamentals of igneous petrologyâ€•by Bruce D. Marsh, Contributions to Mineralogy and Petrology (2013) 166: 665â€“690. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	30
18	Experimental study of trace element distribution between calcite, fluorite and carbonatitic melt in the system CaCO3â€‰+â€‰CaF2â€‰+â€‰Na2CO3â€‰Â±â€‰Ca3(PO4)2 at 100ÂMPa. Contributions To Mineralogy and Petrolog 2019, 174, 1.	3.1	30

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19	Liquid unmixing kinetics and the extent of immiscibility in the system K2Oâ€“CaOâ€“FeOâ€“Al2O3â€“SiO2. Chemical Geology, 2008, 256, 119-130.	3.3	24
20	Crystallization of AlPO₄-SiO₂solid solutions from granitic melt and implications for P-rich melt inclusions in pegmatitic quartz. American Mineralogist, 2003, 88, 1724-1730.	1.9	23
21	Silicate Liquid Immiscibility in Layered Intrusions. Springer Geology, 2015, , 229-258.	0.3	20
22	Experimental confirmation of high-temperature silicate liquid immiscibility in multicomponent ferrobasaltic systems. American Mineralogist, 2015, 100, 1304-1307.	1.9	20
23	Element partitioning between immiscible borosilicate liquids: A high-temperature centrifuge study. Geochimica Et Cosmochimica Acta, 2002, 66, 2603-2614.	3.9	19
24	Electrochemical Processes in a Crystal Mush: Cyclic Units in the Upper Critical Zone of the Bushveld Complex, South Africa. Journal of Petrology, 2015, 56, 1229-1250.	2.8	19
25	Liquid Immiscibility and Evolution of Basaltic Magma: Reply to S. A. Morse, A. R. McBirney and A. R. Philpotts. Journal of Petrology, 2008, 49, 2177-2186.	2.8	18
26	The origin of nelsonite constrained by melting experiment and melt inclusions in apatite: The Damiao anorthosite complex, North China Craton. Gondwana Research, 2017, 42, 163-176.	6.0	17
27	Chemical and Textural Re-equilibration in the UG2 Chromitite Layer of the Bushveld Complex, South Africa. Journal of Petrology, 2018, 59, 1193-1216.	2.8	17
28	Interfacial tension between immiscible liquids in the system K2O-FeO-Fe2O3-Al2O3-SiO2 and implications for the kinetics of silicate melt unmixing. American Mineralogist, 2010, 95, 1679-1685.	1.9	16
29	Immiscible silicate liquids: K and Fe distribution as a test for chemical equilibrium and insight into the kinetics of magma unmixing. Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	5
30	Interfacial tension between immiscible liquids in alkaline earth â€“ boron oxide binary systems. Journal of Non-Crystalline Solids, 2010, 356, 1163-1167.	3.1	3