

# Ilya V Veksler

## List of Publications by Year in descending order

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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	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
2	Experimental study of trace element distribution between calcite, fluorite and carbonatitic melt in the system $\text{CaCO}_3\text{-CaF}_2\text{-Na}_2\text{CO}_3\text{-Ca}_3(\text{PO}_4)_2$ at 100 MPa. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	5
3	Immiscible hydrous $\text{Fe-Ca-P}$ melt and the origin of iron oxide-apatite ore deposits. Nature Communications, 2018, 9, 1415.	12.8	98
4	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
5	Experimental Crystallization of Undercooled Felsic Liquids: Generation of Pegmatitic Texture. Journal of Petrology, 2017, 58, 539-568.	2.8	60
6	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
7	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
8	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
9	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
10	Silicate Liquid Immiscibility in Layered Intrusions. Springer Geology, 2015, , 229-258.	0.3	20
11	A fundamental dispute: A discussion of "On some fundamentals of igneous petrology" by Bruce D. Marsh, Contributions to Mineralogy and Petrology (2013) 166: 665-690. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	30
12	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
13	Experimental confirmation of high-temperature silicate liquid immiscibility in multicomponent ferrobaltic systems. American Mineralogist, 2015, 100, 1304-1307.	1.9	20
14	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
15	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
16	Interfacial tension between immiscible liquids in the system $\text{K}_2\text{O-FeO-Fe}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-SiO}_2$ and implications for the kinetics of silicate melt unmixing. American Mineralogist, 2010, 95, 1679-1685.	1.9	16
17	Interfacial tension between immiscible liquids in alkaline earth " boron oxide binary systems. Journal of Non-Crystalline Solids, 2010, 356, 1163-1167.	3.1	3
18	Extreme iron enrichment and liquid immiscibility in mafic intrusions: Experimental evidence revisited. Lithos, 2009, 111, 72-82.	1.4	41

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19	Liquid unmixing kinetics and the extent of immiscibility in the system $K_2O-CaO-FeO-Al_2O_3-SiO_2$ . <i>Chemical Geology</i> , 2008, 256, 119-130.	3.3	24
20	Liquid Immiscibility and Evolution of Basaltic Magma: Reply to S. A. Morse, A. R. McBirney and A. R. Philpotts. <i>Journal of Petrology</i> , 2008, 49, 2177-2186.	2.8	18
21	Immiscible silicate liquid partition coefficients: implications for crystal-melt element partitioning and basalt petrogenesis. <i>Contributions To Mineralogy and Petrology</i> , 2006, 152, 685-702.	3.1	109
22	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. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2847-2860.	3.9	175
23	Liquid immiscibility and its role at the magmatic-hydrothermal transition: a summary of experimental studies. <i>Chemical Geology</i> , 2004, 210, 7-31.	3.3	191
24	Crystallization of $AlPO_4-SiO_2$ solid solutions from granitic melt and implications for P-rich melt inclusions in pegmatitic quartz. <i>American Mineralogist</i> , 2003, 88, 1724-1730.	1.9	23
25	Experimental evidence of three coexisting immiscible fluids in synthetic granitic pegmatite. <i>American Mineralogist</i> , 2002, 87, 775-779.	1.9	100
26	Element partitioning between immiscible borosilicate liquids: A high-temperature centrifuge study. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 2603-2614.	3.9	19
27	An experimental study of B-, P- and F-rich synthetic granite pegmatite at 0.1 and 0.2 GPa. <i>Contributions To Mineralogy and Petrology</i> , 2002, 143, 673-683.	3.1	97
28	Is natrocarbonatite a cognate fluid condensate?. <i>Contributions To Mineralogy and Petrology</i> , 2002, 142, 425-435.	3.1	33
29	Partitioning of Mg, Ca, and Na between carbonatite melt and hydrous fluid at 0.1-0.2 GPa. <i>Contributions To Mineralogy and Petrology</i> , 2000, 138, 27-34.	3.1	42
30	Phase equilibria in the silica-undersaturated part of the $KAlSi_3O_8 - Mg_2SiO_4 - Ca_2SiO_4 - SiO_2 - F$ system at 1 atm and the lanthanite-normative trend of melt evolution. <i>Contributions To Mineralogy and Petrology</i> , 1998, 131, 347-363.	3.1	30