Oleg G Safonov

List of Publications by Year
in descending order

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26	513	623734	642732
papers	citations	14 h-index	23 g-index

27	27	27	393
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Melting relations in the chlorideâ€“carbonateâ€“silicate systems at high-pressure and the model for formation of alkalic diamondâ€“forming liquids in the upper mantle. Earth and Planetary Science Letters, 2007, 253, 112-128.	4.4	91
2	Precambrian ultra-hot orogenic factory: Making and reworking of continental crust. Tectonophysics, 2018, 746, 572-586.	2.2	49
3	Links between Carbonatite and Kimberlite Melts in Chlorideâ€“Carbonateâ€“Silicate Systems: Experiments and Application to Natural Assemblages. Journal of Petrology, 2011, 52, 1307-1331.	2.8	40
4	Experimental constraints on orthopyroxene dissolution in alkali-carbonate melts in the lithospheric mantle: Implications for kimberlite melt composition and magma ascent. Chemical Geology, 2017, 455, 44-56.	3.3	37
5	Origin of Cl-bearing silica-rich melt inclusions in diamonds: Experimental evidence for an eclogite connection. Geology, 2010, 38, 1131-1134.	4.4	29
6	Phlogopite-Forming Reactions as Indicators of Metasomatism in the Lithospheric Mantle. Minerals (Basel, Switzerland), 2019, 9, 685.	2.0	28
7	Ultrapotassic clinopyroxene from the Kumdy-Kol microdiamond mine, Kokchetav Complex, Kazakhstan: Occurrence, composition and crystal-chemical characterization. American Mineralogist, 2003, 88, 464-468.	1.9	26
8	Interaction of Biotiteâ€“Amphibole Gneiss with H2Oâ€“CO2â€“(K, Na)Cl Fluids at 550 MPa and 750 and 800Â°Ð¡: Experimental Study and Applications to Dehydration and Partial Melting in the Middle Crust. Journal of Petrology, 2014, 55, 2419-2456.	2.8	25
9	Alkali control of high-grade metamorphism and granitization. Geoscience Frontiers, 2014, 5, 711-727.	8.4	25
10	Fluid-assisted interaction of peraluminous metapelites with trondhjemitic magma within the Petronella shear-zone, Limpopo Complex, South Africa. Precambrian Research, 2014, 253, 114-145.	2.7	23
11	Experimental and petrological constraints on local-scale interaction of biotite-amphibole gneiss with H2O-CO2-(K, Na)Cl fluids at middle-crustal conditions: Example from the Limpopo Complex, South Africa. Geoscience Frontiers, 2012, 3, 829-841.	8.4	22
12	Synthetic hypersilicic Cl-bearing mica in the phlogopite-celadonite join: A multimethodical characterization of the missing link between di- and tri-octahedral micas at high pressures. American Mineralogist, 2008, 93, 1429-1436.	1.9	17
13	Ultrahigh potassium content in the clinopyroxene structure: an X-ray single-crystal study. European Journal of Mineralogy, 2002, 14, 929-934.	1.3	15
14	Composition and source of fluids in high-temperature graphite-bearing granitoids associated with granulites: Examples from the Southern Marginal Zone, Limpopo Complex, South Africa. Gondwana Research, 2018, 60, 129-152.	6.0	14
15	Halogens in High-Grade Metamorphism. Springer Geochemistry, 2018, , 713-757.	0.1	11
16	The Neoarchaean Limpopo Orogeny: Exhumation and Regional-Scale Gravitational Crustal Overturn Driven by a Granulite Diapir. Regional Geology Reviews, 2019, , 185-224.	1.2	11
17	Compressibility of synthetic potassium-rich clinopyroxene: In-situ high-pressure single-crystal X-ray study. American Mineralogist, 2006, 91, 802-808.	1.9	9
18	Pâ€“T Conditions, Mechanism and Timing of the Localized Melting of Metapelites from the Petronella Shear Zone and Relationships with Granite Intrusions in the Southern Marginal Zone of the Limpopo Belt, South Africa. Journal of Petrology, 2018, 59, 695-734.	2.8	9

#	Article	IF	Citations
19	Carbonate-silicate inclusions in garnet as evidence for a carbonate-bearing source for fluids in leucocratic granitoids associated with granulites of the Southern Marginal Zone, Limpopo Complex, South Africa. Gondwana Research, 2020, 77, 147-167.	6.0	9
20	Hydrated Peridotite â€“ Basaltic Melt Interaction Part I: Planetary Felsic Crust Formation at Shallow Depth. Frontiers in Earth Science, 2021, 9, .	1.8	7
21	Merwinite-structured phases as a potential host of alkalis in the upper mantle. Contributions To Mineralogy and Petrology, 2015, 170, 1.	3.1	6
22	Garnet-bearing low-Sr and high-Sr Singelele leucogranite: A record of Neoarchean episodic melting in collisional setting and Paleoproterozoic overprint in the Beit Bridge complex, southern Africa. Lithos, 2018, 322, 67-86.	1.4	5
23	Thermal and Fluid Effects of Granitoid Intrusions on Granulite Complexes: Examples from the Southern Marginal Zone of the Limpopo Complex, South Africa. Petrology, 2018, 26, 617-639.	0.9	2
24	Carbon Isotope Characteristics as Evidence of an External Source of High-Temperature Granitoids in Granulite Complexes. Doklady Earth Sciences, 2018, 483, 1515-1518.	0.7	1
25	Experimental diopsidite: Implications for natural diopsidite genesis through fluid-melt-mantle peridotite reaction. Mineralogy and Petrology, 2021, 115, 489-495.	1.1	1
26	Melt- to Shear-Controlled Exhumation of Granulites in Graniteâ€“Gneiss Domes: Petrological Perspectives from Metapelite of the Neoarchean Ha-Tshanzi Structure, Central Zone, Limpopo Complex, South Africa. Journal of Petrology, 2021, 62, .	2.8	1