Nikolay V Sobolev

List of Publications by Year
in descending order

27	1,165	394421	526287
papers	citations	19 h-index	27 g-index

28	28	28	627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Mg carbonatitic microinclusions in some Yakutian diamondsâ€"a new type of diamond-forming fluid. Lithos, 2009, 112, 648-659.	1.4	181
2	Diamond formation through carbonate-silicate interaction. American Mineralogist, 2002, 87, 1009-1013.	1.9	103
3	The role of mantle ultrapotassic fluids in diamond formation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9122-9127.	7.1	97
4	The origin and formation of metamorphic microdiamonds from the Kokchetav massif, Kazakhstan: a nitrogen and carbon isotopic study. Chemical Geology, 2001, 176, 265-281.	3.3	85
5	Kokchetavite: a new potassium-feldspar polymorph from the Kokchetav ultrahigh-pressure terrane. Contributions To Mineralogy and Petrology, 2004, 148, 380-389.	3.1	65
6	Crust-derived potassic fluid in metamorphic microdiamond. Earth and Planetary Science Letters, 2005, 231, 295-306.	4.4	61
7	Diamondiferous Eclogites from the Udachnaya Kimberlite Pipe, Yakutia. International Geology Review, 1994, 36, 42-64.	2.1	57
8	Conditions of diamond formation through carbonate-silicate interaction. European Journal of Mineralogy, 2005, 17, 207-214.	1.3	57
9	Extreme Chemical Diversity in the Mantle during Eclogitic Diamond Formation: Evidence from 35 Garnet and 5 Pyroxene Inclusions in a Single Diamond. International Geology Review, 1998, 40, 567-578.	2.1	49
10	Melting experiments on the Udachnaya kimberlite at 6.3â€"7.5GPa: Implications for the role of H2O in magma generation and formation of hydrous olivine. Geochimica Et Cosmochimica Acta, 2013, 101, 133-155.	3.9	47
11	The sources and time-integrated evolution of diamond-forming fluids â€" Trace elements and isotopic evidence. Geochimica Et Cosmochimica Acta, 2014, 125, 146-169.	3.9	44
12	Mineral and fluid inclusions in diamonds from the Urals placers, Russia: Evidence for solid molecular N2 and hydrocarbons in fluid inclusions. Geochimica Et Cosmochimica Acta, 2019, 266, 197-219.	3.9	37
13	Carbonatite melt in type Ia gem diamond. Lithos, 2019, 342-343, 463-467.	1.4	35
14	An experimental demonstration of diamond formation in the dolomite-carbon and dolomite-fluid-carbon systems. European Journal of Mineralogy, 2001, 13, 893-900.	1.3	31
15	Kumdykolite, an orthorhombic polymorph of albite, from the Kokchetav ultrahigh-pressure massif, Kazakhstan. European Journal of Mineralogy, 2010, 21, 1325-1334.	1.3	31
16	Low water contents in diamond mineral inclusions: Proto-genetic origin in a dry cratonic lithosphere. Earth and Planetary Science Letters, 2016, 433, 125-132.	4.4	31
17	Composition of Hydrocarbons in Diamonds, Garnet, and Olivine from Diamondiferous Peridotites from the Udachnaya Pipe in Yakutia, Russia. Engineering, 2019, 5, 471-478.	6.7	28
18	Quantifying hexagonal stacking in diamond. Scientific Reports, 2019, 9, 10334.	3.3	24

#	Article	IF	Citations
19	Diamond-inclusion system recording old deep lithosphere conditions at Udachnaya (Siberia). Scientific Reports, 2019, 9, 12586.	3.3	23
20	Stability of phlogopite in ultrapotassic kimberlite-like systems at 5.5â€“7.5 GPa. Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	19
21	3-D X-ray tomography of diamondiferous mantle eclogite xenoliths, Siberia: A review. Journal of Asian Earth Sciences, 2015, 101, 39-67.	2.3	15
22	The secondary origin of diamonds: multi-modal radiation tomography of diamondiferous mantle eclogites. International Geology Review, 2014, 56, 1172-1180.	2.1	11
23	Eclogites from the Obnazhennaya Kimberlite Pipe, Yakutia, Russia. International Geology Review, 1994, 36, 911-924.	2.1	8
24	Uâ€“Pb ages of rare rutile inclusions in diamond indicate entrapment synchronous with kimberlite formation. Lithos, 2019, 350-351, 105251.	1.4	8
25	Diamond formation in an electric field under deep Earth conditions. Science Advances, 2021, 7, .	10.3	7
26	Diamonds: A Special Issue in honour of Vladimir S. Sobolev. European Journal of Mineralogy, 2008, 20, 303-304.	1.3	6
27	Types of Xenogenic Olivine from Siberian Kimberlites. Minerals (Basel, Switzerland), 2020, 10, 302.	2.0	5