

# Nikolay V Sobolev

## List of Publications by Year in descending order

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27  
papers

1,165  
citations

394421

19  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

627  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diamond formation in an electric field under deep Earth conditions. <i>Science Advances</i> , 2021, 7, .	10.3	7
2	Types of Xenogenic Olivine from Siberian Kimberlites. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 302.	2.0	5
3	Quantifying hexagonal stacking in diamond. <i>Scientific Reports</i> , 2019, 9, 10334.	3.3	24
4	Uâ€Pb ages of rare rutile inclusions in diamond indicate entrapment synchronous with kimberlite formation. <i>Lithos</i> , 2019, 350-351, 105251.	1.4	8
5	Diamond-inclusion system recording old deep lithosphere conditions at Udachnaya (Siberia). <i>Scientific Reports</i> , 2019, 9, 12586.	3.3	23
6	Mineral and fluid inclusions in diamonds from the Urals placers, Russia: Evidence for solid molecular N2 and hydrocarbons in fluid inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 197-219.	3.9	37
7	Composition of Hydrocarbons in Diamonds, Garnet, and Olivine from Diamondiferous Peridotites from the Udachnaya Pipe in Yakutia, Russia. <i>Engineering</i> , 2019, 5, 471-478.	6.7	28
8	Carbonatite melt in type Ia gem diamond. <i>Lithos</i> , 2019, 342-343, 463-467.	1.4	35
9	Stability of phlogopite in ultrapotassic kimberlite-like systems at 5.5â€“7.5 GPa. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	19
10	Low water contents in diamond mineral inclusions: Proto-genetic origin in a dry cratonic lithosphere. <i>Earth and Planetary Science Letters</i> , 2016, 433, 125-132.	4.4	31
11	3-D X-ray tomography of diamondiferous mantle eclogite xenoliths, Siberia: A review. <i>Journal of Asian Earth Sciences</i> , 2015, 101, 39-67.	2.3	15
12	The sources and time-integrated evolution of diamond-forming fluids â€ Trace elements and isotopic evidence. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 146-169.	3.9	44
13	The secondary origin of diamonds: multi-modal radiation tomography of diamondiferous mantle eclogites. <i>International Geology Review</i> , 2014, 56, 1172-1180.	2.1	11
14	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. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 101, 133-155.	3.9	47
15	Kumdykolite, an orthorhombic polymorph of albite, from the Kokchetav ultrahigh-pressure massif, Kazakhstan. <i>European Journal of Mineralogy</i> , 2010, 21, 1325-1334.	1.3	31
16	High-Mg carbonatitic microinclusions in some Yakutian diamondsâ€ a new type of diamond-forming fluid. <i>Lithos</i> , 2009, 112, 648-659.	1.4	181
17	Diamonds: A Special Issue in honour of Vladimir S. Sobolev. <i>European Journal of Mineralogy</i> , 2008, 20, 303-304.	1.3	6
18	The role of mantle ultrapotassic fluids in diamond formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9122-9127.	7.1	97

#	ARTICLE	IF	CITATIONS
19	Conditions of diamond formation through carbonate-silicate interaction. <i>European Journal of Mineralogy</i> , 2005, 17, 207-214.	1.3	57
20	Crust-derived potassic fluid in metamorphic microdiamond. <i>Earth and Planetary Science Letters</i> , 2005, 231, 295-306.	4.4	61
21	Kokchetavite: a new potassium-feldspar polymorph from the Kokchetav ultrahigh-pressure terrane. <i>Contributions To Mineralogy and Petrology</i> , 2004, 148, 380-389.	3.1	65
22	Diamond formation through carbonate-silicate interaction. <i>American Mineralogist</i> , 2002, 87, 1009-1013.	1.9	103
23	The origin and formation of metamorphic microdiamonds from the Kokchetav massif, Kazakhstan: a nitrogen and carbon isotopic study. <i>Chemical Geology</i> , 2001, 176, 265-281.	3.3	85
24	An experimental demonstration of diamond formation in the dolomite-carbon and dolomite-fluid-carbon systems. <i>European Journal of Mineralogy</i> , 2001, 13, 893-900.	1.3	31
25	Extreme Chemical Diversity in the Mantle during Eclogitic Diamond Formation: Evidence from 35 Garnet and 5 Pyroxene Inclusions in a Single Diamond. <i>International Geology Review</i> , 1998, 40, 567-578.	2.1	49
26	Eclogites from the Obnazhennaya Kimberlite Pipe, Yakutia, Russia. <i>International Geology Review</i> , 1994, 36, 911-924.	2.1	8
27	Diamondiferous Eclogites from the Udachnaya Kimberlite Pipe, Yakutia. <i>International Geology Review</i> , 1994, 36, 42-64.	2.1	57