

Maya G Kopylova

List of Publications by Year in descending order

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55
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2,911
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201385

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times ranked

1613
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#	ARTICLE	IF	CITATIONS
1	Mineral inclusions in Lace diamonds and the mantle beneath the Kroonstad kimberlite cluster in South Africa. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, 1.	1.2	2
2	Petrographic and Geochemical Characteristics Associated with Felsic Xenolith Assimilation in Kimberlite. <i>Canadian Mineralogist</i> , 2022, , .	0.3	1
3	Origin of megacrysts by carbonate-bearing metasomatism: a case study for the Muskox kimberlite, Slave craton, Canada. <i>Journal of the Geological Society</i> , 2021, 178, .	0.9	8
4	Plume-driven recretionization of deep continental lithospheric mantle. <i>Nature</i> , 2021, 592, 732-736.	13.7	57
5	Age and provenance of the lithospheric mantle beneath the Chidliak kimberlite province, southern Baffin Island: Implications for the evolution of the North Atlantic Craton. <i>Lithos</i> , 2021, 390-391, 106124.	0.6	3
6	Data on bulk rock compositions, geochemical and textural contrasts between central and marginal parts of dykes, and MELTS modeling of lamprophyre dykes in the Kola Alkaline Carbonatite Province (N Tj ETQq0 0 0 rgBT /Overlock 10	0.5	10
7	The assimilation of felsic xenoliths in kimberlites: insights into temperature and volatiles during kimberlite emplacement. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	3
8	Eclogites of the North Atlantic Craton: insights from the Chidliak eclogite xenoliths (S. Baffin Island,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	5
9	A Reply to the Comment by Gernon<i>et al.</i> on the â€Petrography of the Snap Lake Kimberlite Dyke (Northwest Territories, Canada) and its Interaction with Country Rock Granitoidsâ€™™ by Fulop<i>et Aal.</i> (2018). <i>Journal of Petrology</i> , 2019, 60, 661-671.	1.1	2
10	CaSiO ₃ perovskite in diamond indicates the recycling of oceanic crust into the lower mantle. <i>Nature</i> , 2018, 555, 237-241.	13.7	123
11	Petrography of Snap Lake Kimberlite Dyke (Northwest Territories, Canada) and its Interaction with Country Rock Granitoids. <i>Journal of Petrology</i> , 2018, 59, 2493-2518.	1.1	17
12	Geology of the Renard 65 kimberlite pipe, QuÃ©bec, Canada. <i>Mineralogy and Petrology</i> , 2018, 112, 433-445.	0.4	7
13	The origin of Type II diamonds as inferred from Cullinan mineral inclusions. <i>Mineralogy and Petrology</i> , 2018, 112, 275-289.	0.4	13
14	Three styles of diamond resorption in a single kimberlite: Effects of volcanic degassing and assimilation. <i>Geology</i> , 2017, 45, 871-874.	2.0	16
15	Cretaceous mantle of the Congo craton: Evidence from mineral and fluid inclusions in Kasai alluvial diamonds. <i>Lithos</i> , 2016, 265, 42-56.	0.6	9
16	Origin of salts and alkali carbonates in the Udachnaya East kimberlite: Insights from petrography of kimberlite phases and their carbonate and evaporite xenoliths. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 327, 116-134.	0.8	19
17	Spatial distribution of eclogite in the Slave cratonic mantle: The role of subduction. <i>Tectonophysics</i> , 2016, 672-673, 87-103.	0.9	25
18	Lherzolithic versus harzburgitic garnet trends: sampling of extended depth versus extended composition. Reply to the comment by Ivanic et al. 2015. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	1

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19	Peridotite and pyroxenite xenoliths from the MuskoX kimberlite, northern Slave craton, Canada. <i>Canadian Journal of Earth Sciences</i> , 2016, 53, 41-58.	0.6	10
20	Mineralogical controls on garnet composition in the cratonic mantle. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	1.2	8
21	Fluid inclusions in Ebelyakh diamonds: Evidence of CO ₂ liberation in eclogite and the effect of H ₂ O on diamond habit. <i>Lithos</i> , 2015, 216-217, 106-117.	0.6	37
22	N-rich fluid inclusions in octahedrally-grown diamond. <i>Earth and Planetary Science Letters</i> , 2014, 393, 39-48.	1.8	22
23	Implications of metallic iron for diamonds and nitrogen in the sublithospheric mantle. <i>Canadian Journal of Earth Sciences</i> , 2014, 51, 510-516.	0.6	42
24	The origin of high hydrogen content in kimberlitic olivine: Evidence from hydroxyl zonation in olivine from kimberlites and mantle xenoliths. <i>Lithos</i> , 2014, 202-203, 429-441.	0.6	12
25	Mineral inclusions in fibrous diamonds: constraints on cratonic mantle refertilization and diamond formation. <i>Mineralogy and Petrology</i> , 2014, 108, 317-331.	0.4	15
26	Salts in southern Yakutian kimberlites and the problem of primary alkali kimberlite melts. <i>Earth-Science Reviews</i> , 2013, 119, 1-16.	4.0	32
27	In situ analysis of garnet inclusion in diamond using single-crystal X-ray diffraction and X-ray micro-tomography. <i>European Journal of Mineralogy</i> , 2012, 24, 599-606.	0.4	22
28	Vanished diamondiferous cratonic root beneath the Southern Superior province: evidence from diamond inclusions in the Wawa metaconglomerate. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 697-714.	1.2	16
29	Luminescence of diamonds from metamorphic rocks. <i>American Mineralogist</i> , 2011, 96, 14-22.	0.9	18
30	Carbonatitic mineralogy of natural diamond-forming fluids. <i>Earth and Planetary Science Letters</i> , 2010, 291, 126-137.	1.8	61
31	Crystallization of megacrysts from protokimberlitic fluids: Geochemical evidence from high-Cr megacrysts in the Jericho kimberlite. <i>Lithos</i> , 2009, 112, 284-295.	0.6	97
32	Diamonds and eclogites of the Jericho kimberlite (Northern Canada). <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 295-315.	1.2	71
33	The origin of high-MgO diamond eclogites from the Jericho Kimberlite, Canada. <i>Earth and Planetary Science Letters</i> , 2009, 284, 527-537.	1.8	85
34	Discrimination of diamond resource and non-resource domains in the Victor North pyroclastic kimberlite, Canada. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 174, 128-138.	0.8	18
35	Petrology and textural classification of the Jericho kimberlite, northern Slave Province, Nunavut, Canada. <i>Canadian Journal of Earth Sciences</i> , 2008, 45, 701-723.	0.6	26
36	Origin of cratonic lithospheric mantle roots: A geochemical study of peridotites from the North Atlantic Craton, West Greenland. <i>Earth and Planetary Science Letters</i> , 2008, 274, 24-33.	1.8	91

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37	Laboratory derived constraints on electrical conductivity beneath Slave craton. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 161, 126-133.	0.7	8
38	Searching for parental kimberlite melt. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3616-3629.	1.6	132
39	Enigmatic diamonds in Archean calc-alkaline lamprophyres of Wawa, southern Ontario, Canada. <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 158-173.	1.2	27
40	Lower mantle diamonds from Rio Soriso (Juina area, Mato Grosso, Brazil). <i>Contributions To Mineralogy and Petrology</i> , 2005, 149, 430-445.	1.2	147
41	Synchrotron micro-X-ray fluorescence analysis of natural diamonds: First steps in identification of mineral inclusions in situ. <i>American Mineralogist</i> , 2005, 90, 1740-1747.	0.9	17
42	Archean calc-alkaline lamprophyres of Wawa, Ontario, Canada: Unconventional diamondiferous volcanoclastic rocks. <i>Precambrian Research</i> , 2005, 138, 57-87.	1.2	48
43	Mantle Xenoliths from the Southeastern Slave Craton: Evidence for Chemical Zonation in a Thick, Cold Lithosphere. <i>Journal of Petrology</i> , 2004, 45, 1045-1067.	1.1	103
44	Petrological constraints on seismic properties of the Slave upper mantle (Northern Canada). <i>Lithos</i> , 2004, 77, 493-510.	0.6	39
45	A redox profile of the Slave mantle and oxygen fugacity control in the cratonic mantle. <i>Contributions To Mineralogy and Petrology</i> , 2004, 148, 55-68.	1.2	146
46	A Re-Os isotope and PGE study of kimberlite-derived peridotite xenoliths from Somerset Island and a comparison to the Slave and Kaapvaal cratons. <i>Lithos</i> , 2003, 71, 461-488.	0.6	90
47	Mantle shear zones revisited: The connection between the cratons and mantle dynamics. <i>Geology</i> , 2002, 30, 419.	2.0	49
48	Heat production and heat flow in the mantle lithosphere, Slave craton, Canada. <i>Physics of the Earth and Planetary Interiors</i> , 2001, 123, 27-44.	0.7	69
49	Primitive Magma From the Jericho Pipe, N.W.T., Canada: Constraints on Primary Kimberlite Melt Chemistry. <i>Journal of Petrology</i> , 2000, 41, 789-808.	1.1	186
50	Garnet from Cr- and Ca-saturated mantle: implications for diamond exploration. <i>Journal of Geochemical Exploration</i> , 2000, 68, 183-199.	1.5	38
51	Chemical stratification of cratonic lithosphere: constraints from the Northern Slave craton, Canada. <i>Earth and Planetary Science Letters</i> , 2000, 181, 71-87.	1.8	135
52	A steady state conductive geotherm for the north central Slave, Canada: Inversion of petrological data from the Jericho Kimberlite pipe. <i>Journal of Geophysical Research</i> , 1999, 104, 7089-7101.	3.3	61
53	Mineral inclusions in diamonds from the River Ranch kimberlite, Zimbabwe. <i>Contributions To Mineralogy and Petrology</i> , 1997, 129, 366-384.	1.2	153
54	Carbonate-bearing mantle peridotite xenoliths from Spitsbergen: phase relationships, mineral compositions and trace-element residence. <i>Contributions To Mineralogy and Petrology</i> , 1996, 125, 375-392.	1.2	124

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55	Carbonated peridotite xenoliths from Spitsbergen: implications for trace element signature of mantle carbonate metasomatism. <i>Earth and Planetary Science Letters</i> , 1993, 119, 283-297.	1.8	344