

# Maya G Kopylova

## List of Publications by Year in descending order

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55  
papers

2,911  
citations

201385

27  
h-index

161609

54  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1613  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Mineral inclusions in diamonds from the River Ranch kimberlite, Zimbabwe. <i>Contributions To Mineralogy and Petrology</i> , 1997, 129, 366-384.	1.2	153
4	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
5	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
6	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
7	Searching for parental kimberlite melt. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3616-3629.	1.6	132
8	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
9	CaSiO <sub>3</sub> perovskite in diamond indicates the recycling of oceanic crust into the lower mantle. <i>Nature</i> , 2018, 555, 237-241.	13.7	123
10	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
11	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
12	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
13	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
14	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
15	Diamonds and eclogites of the Jericho kimberlite (Northern Canada). <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 295-315.	1.2	71
16	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
17	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
18	Carbonatitic mineralogy of natural diamond-forming fluids. <i>Earth and Planetary Science Letters</i> , 2010, 291, 126-137.	1.8	61

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19	Plume-driven recretionization of deep continental lithospheric mantle. <i>Nature</i> , 2021, 592, 732-736.	13.7	57
20	Mantle shear zones revisited: The connection between the cratons and mantle dynamics. <i>Geology</i> , 2002, 30, 419.	2.0	49
21	Archean calc-alkaline lamprophyres of Wawa, Ontario, Canada: Unconventional diamondiferous volcanoclastic rocks. <i>Precambrian Research</i> , 2005, 138, 57-87.	1.2	48
22	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
23	Petrological constraints on seismic properties of the Slave upper mantle (Northern Canada)†. <i>Lithos</i> , 2004, 77, 493-510.	0.6	39
24	Garnet from Cr- and Ca-saturated mantle: implications for diamond exploration. <i>Journal of Geochemical Exploration</i> , 2000, 68, 183-199.	1.5	38
25	Fluid inclusions in Ebelyakh diamonds: Evidence of CO <sub>2</sub> liberation in eclogite and the effect of H <sub>2</sub> O on diamond habit. <i>Lithos</i> , 2015, 216-217, 106-117.	0.6	37
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	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
28	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
29	Spatial distribution of eclogite in the Slave cratonic mantle: The role of subduction. <i>Tectonophysics</i> , 2016, 672-673, 87-103.	0.9	25
30	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
31	N-rich fluid inclusions in octahedrally-grown diamond. <i>Earth and Planetary Science Letters</i> , 2014, 393, 39-48.	1.8	22
32	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
33	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
34	Luminescence of diamonds from metamorphic rocks. <i>American Mineralogist</i> , 2011, 96, 14-22.	0.9	18
35	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
36	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

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37	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
38	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
39	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
40	The origin of Type II diamonds as inferred from Cullinan mineral inclusions. <i>Mineralogy and Petrology</i> , 2018, 112, 275-289.	0.4	13
41	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
42	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
43	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
44	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
45	Mineralogical controls on garnet composition in the cratonic mantle. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	1.2	8
46	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
47	Geology of the Renard 65 kimberlite pipe, Québec, Canada. <i>Mineralogy and Petrology</i> , 2018, 112, 433-445.	0.4	7
48	Eclogites of the North Atlantic Craton: insights from the Chidliak eclogite xenoliths (S. Baffin Island, Nunavut). <i>Contributions To Mineralogy and Petrology</i> , 2019, 191, 1-12.	0.4	5
49	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
50	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
51	A Reply to the Comment by Gernon et al. on the "Petrography of the Snap Lake Kimberlite Dyke (Northwest Territories, Canada) and its Interaction with Country Rock Granitoids" by Fulop et al. (2018). <i>Journal of Petrology</i> , 2019, 60, 661-671.	1.1	2
52	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
53	Lherzolic 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
54	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 (Nunavut). <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, 1.	0.5	1

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55	Petrographic and Geochemical Characteristics Associated with Felsic Xenolith Assimilation in Kimberlite. Canadian Mineralogist, 2022, , .	0.3	1