

Karen V Smit

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

465
citations

623734

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888059

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19
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docs citations

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times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Diamond growth from C ¹³ -enriched recycled fluids in the lithosphere: Evidence from CH ₄ micro-inclusions and C ¹³ -C ¹⁵ -N content in Marange mixed-habit diamonds. <i>Lithos</i> , 2016, 265, 68-81.	1.4	66
2	Origin of eclogite and pyroxenite xenoliths from the Victor kimberlite, Canada, and implications for Superior craton formation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 308-337.	3.9	51
3	Sulfur isotopes in diamonds reveal differences in continent construction. <i>Science</i> , 2019, 364, 383-385.	12.6	45
4	Type Ib diamond formation and preservation in the West African lithospheric mantle: Re-Os age constraints from sulphide inclusions in Zimmi diamonds. <i>Precambrian Research</i> , 2016, 286, 152-166.	2.7	41
5	Peridotites from Attawapiskat, Canada: Mesoproterozoic Reworking of Palaeoarchaeon Lithospheric Mantle beneath the Northern Superior Superterrane. <i>Journal of Petrology</i> , 2014, 55, 1829-1863.	2.8	31
6	Automated FTIR mapping of boron distribution in diamond. <i>Diamond and Related Materials</i> , 2019, 96, 207-215.	3.9	30
7	Re-Os isotopic composition of peridotitic sulphide inclusions in diamonds from Ellendale, Australia: Age constraints on Kimberley cratonic lithosphere. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3292-3306.	3.9	28
8	Evaluating mechanisms for eclogitic diamond growth: An example from Zimmi Neoproterozoic diamonds (West African craton). <i>Chemical Geology</i> , 2019, 520, 21-32.	3.3	26
9	Deep carbon through time: Earth's diamond record and its implications for carbon cycling and fluid speciation in the mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 275, 99-122.	3.9	26
10	Diamonds in the Attawapiskat area of the Superior craton (Canada): evidence for a major diamond-forming event younger than 1.1 Ga. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	3.1	22
11	The Victor Mine (Superior Craton, Canada): Neoproterozoic lherzolitic diamonds from a thermally-modified cratonic root. <i>Mineralogy and Petrology</i> , 2018, 112, 325-336.	1.1	20
12	Geochronology of Diamonds. <i>Reviews in Mineralogy and Geochemistry</i> , 2022, 88, 567-636.	4.8	18
13	Diamonds and the Mantle Geodynamics of Carbon. , 2019, , 89-128.		16
14	Deformation-related spectroscopic features in natural Type Ib-IaA diamonds from Zimmi (West African) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	14
15	Morphology of Monocrystalline Diamond and its Inclusions. <i>Reviews in Mineralogy and Geochemistry</i> , 2022, 88, 119-166.	4.8	14
16	Geology and Development of the Lomonsov Diamond Deposit, Northwestern Russia. <i>Gems & Gemology</i> , 2017, 53, 144-167.	0.6	9
17	Natural-Color Pink, Purple, Red, and Brown Diamonds: Band of Many Colors. <i>Gems & Gemology</i> , 2019, , .	0.6	4
18	Black Diamonds from Marange (Zimbabwe): A Result of Natural Irradiation and Graphite Inclusions. <i>Gems & Gemology</i> , 2018, 54, 132-148.	0.6	4