

# Yannick Bussweiler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6275260/publications.pdf>

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18  
papers

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840119

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#	ARTICLE	IF	CITATIONS
1	The olivine macrocryst problem: New insights from minor and trace element compositions of olivine from Lac de Gras kimberlites, Canada. <i>Lithos</i> , 2015, 220-223, 238-252.	0.6	104
2	The aluminum-in-olivine thermometer for mantle peridotites – Experimental versus empirical calibration and potential applications. <i>Lithos</i> , 2017, 272-273, 301-314.	0.6	63
3	The evolution of calcite-bearing kimberlites by melt-rock reaction: evidence from polymineralic inclusions within clinopyroxene and garnet megacrysts from Lac de Gras kimberlites, Canada. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	58
4	Deep Magma Storage Revealed by Multi-Method Elemental Mapping of Clinopyroxene Megacrysts at Stromboli Volcano. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	54
5	Trace element analysis of high-Mg olivine by LA-ICP-MS – Characterization of natural olivine standards for matrix-matched calibration and application to mantle peridotites. <i>Chemical Geology</i> , 2019, 524, 136-157.	1.4	44
6	Cr-rich megacrysts of clinopyroxene and garnet from Lac de Gras kimberlites, Slave Craton, Canada – implications for the origin of clinopyroxene and garnet in cratonic lherzolites. <i>Mineralogy and Petrology</i> , 2018, 112, 583-596.	0.4	35
7	Olivine trace element compositions in diamondiferous lamproites from India: Proxies for magma origins and the nature of the lithospheric mantle beneath the Bastar and Dharwar cratons. <i>Lithos</i> , 2019, 324-325, 501-518.	0.6	28
8	Clinopyroxene and Garnet Mantle Cargo in Kimberlites as Probes of Dharwar Craton Architecture and Geotherms, with Implications for Post-1.8 Ga Lithosphere Thinning Events Beneath Southern India. <i>Journal of Petrology</i> , 2021, 61, .	1.1	21
9	The uniquely high-temperature character of Cullinan diamonds: A signature of the Bushveld mantle plume?. <i>Lithos</i> , 2018, 304-307, 362-373.	0.6	18
10	Polymineralic Inclusions in Megacrysts as Proxies for Kimberlite Melt Evolution – A Review. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 530.	0.8	15
11	Sediment-Peridotite Reaction Controls Fore-Arc Metasomatism and Arc Magma Geochemical Signatures. <i>Geosciences (Switzerland)</i> , 2021, 11, 372.	1.0	12
12	The application of trace elements and Sr–Pb isotopes to dating and tracing ruby formation: The Aappaluttoq deposit, SW Greenland. <i>Chemical Geology</i> , 2019, 523, 42-58.	1.4	10
13	Origins of olivine in Earth’s youngest kimberlite: Igwisi Hills volcanoes, Tanzania craton. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	9
14	Trace element mapping of high-pressure, high-temperature experimental samples with laser ablation ICP time-of-flight mass spectrometry – Illuminating melt-rock reactions in the lithospheric mantle. <i>Lithos</i> , 2020, 352-353, 105282.	0.6	6
15	Titanium-rich metasomatism in the lithospheric mantle beneath the Arkhangelsk Diamond Province, Russia: insights from ilmenite-bearing xenoliths and HP–HT reaction experiments. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	6
16	Recycling process and proto-kimberlite melt metasomatism in the lithosphere-asthenosphere boundary beneath the Amazonian Craton recorded by garnet xenocrysts and mantle xenoliths from the Carolina kimberlite. <i>Geoscience Frontiers</i> , 2022, 13, 101429.	4.3	6
17	Clarifying source assemblages and metasomatic agents for basaltic rocks in eastern Australia using olivine phenocryst compositions. <i>Lithos</i> , 2021, 390-391, 106122.	0.6	5
18	Partial melting and subduction-related metasomatism recorded by geochemical and isotope (He-Ne-Ar-Sr-Nd) compositions of spinel lherzolite xenoliths from Coyhaique, Chilean Patagonia. <i>Gondwana Research</i> , 2021, 98, 257-276.	3.0	2