Sami Mikhail

List of Publications by Year
in descending order

		759233	752698
23	695	12	20
papers	citations	h-index	g-index

23	23	23	747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitrogen speciation in upper mantle fluids and the origin of Earth's nitrogen-rich atmosphere. Nature Geoscience, 2014, 7, 816-819.	12.9	137
2	Experimental investigation of F, Cl, and OH partitioning between apatite and Fe-rich basaltic melt at 1.0â€“1.2 GPa and 950â€“1000 Â°C. American Mineralogist, 2015, 100, 1790-1802.	1.9	112
3	The geobiological nitrogen cycle: From microbes to the mantle. Geobiology, 2017, 15, 343-352.	2.4	81
4	Constraining the internal variability of the stable isotopes of carbon and nitrogen within mantle diamonds. Chemical Geology, 2014, 366, 14-23.	3.3	48
5	The relationship between mantle pH and the deep nitrogen cycle. Geochimica Et Cosmochimica Acta, 2017, 209, 149-160.	3.9	40
6	Empirical evidence for the fractionation of carbon isotopes between diamond and iron carbide from the Earth's mantle. Geochemistry, Geophysics, Geosystems, 2014, 15, 855-866.	2.5	34
7	An eclogitic diamond from Mir pipe (Yakutia), recording two growth events from different isotopic sources. Chemical Geology, 2014, 381, 40-54.	3.3	32
8	Peridotitic and websteritic diamondites provide new information regarding mantle melting and metasomatism induced through the subduction of crustal volatiles. Geochimica Et Cosmochimica Acta, 2013, 107, 1-11.	3.9	29
9	A petrological assessment of diamond as a recorder of the mantle nitrogen cycle. American Mineralogist, 2016, 101, 780-787.	1.9	26
10	Diamonds from Dachine, French Guiana: A unique record of early Proterozoic subduction. Lithos, 2016, 265, 82-95.	1.4	26
11	Diamonds and the Mantle Geodynamics of Carbon. , 2019, , 89-128.		16
12	Plume-lithosphere interaction, and the formation of fibrous diamonds. Geochemical Perspectives Letters, 0, 8, 26-30.	5.0	16
13	Nitrogen isotope systematics and origins of mixed-habit diamonds. Geochimica Et Cosmochimica Acta, 2015, 157, 1-12.	3.9	15
14	Nitrogen Mass Fraction and Stable Isotope Ratios for Fourteen Geological Reference Materials: Evaluating the Applicability of Elemental Analyser Versus Sealed Tube Combustion Methods. Geostandards and Geoanalytical Research, 2020, 44, 537-551.	3.1	15
15	Low surface gravitational acceleration of Mars results in a thick and weak lithosphere: Implications for topography, volcanism, and hydrology. Icarus, 2017, 281, 103-114.	2.5	13
16	Hot climate inhibits volcanism on Venus: Constraints from rock deformation experiments and argon isotope geochemistry. Physics of the Earth and Planetary Interiors, 2017, 268, 18-34.	1.9	10
17	On the Origin(s) and Evolution of Earth's Carbon. Elements, 2019, 15, 307-312.	0.5	10
18	Diamondites: evidence for a distinct tectono-thermal diamond-forming event beneath the Kaapvaal craton. Contributions To Mineralogy and Petrology, 2019, 174, 71.	3.1	10

#	Article	IF	Citations
19	Reconstructing Nitrogen Sources to Earthâ€™s Earliest Biosphere at 3.7 Ga. Frontiers in Earth Science, 2021, 9, .	1.8	9
20	Evidence for multiple diamondite-forming events in the mantle. American Mineralogist, 2014, 99, 1537-1543.	1.9	7
21	Polycrystalline Diamonds from Kimberlites: Snapshots of Rapid and Episodic Diamond Formation in the Lithospheric Mantle. Reviews in Mineralogy and Geochemistry, 2022, 88, 167-189.	4.8	6
22	The Effects of Planetary and Stellar Parameters on Brittle Lithospheric Thickness. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006952.	3.6	3
23	A Synthesis of Instrumental Analytical Techniques for Examination of the Thermal History of Pallasite Meteorites. Microscopy and Microanalysis, 2014, 20, 1690-1691.	0.4	0