Sarah A Crowther

List of Publications by Year
in descending order

21 papers	389 citations	933447 10 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	490 citing authors

#	Article	IF	Citations
1	Non-basaltic asteroidal magmatism during the earliest stages of solar system evolution: A view from Antarctic achondrites Graves Nunatak 06128 and 06129. Geochimica Et Cosmochimica Acta, 2010, 74, 1172-1199.	3.9	59
2	Puâ€“Xe, Uâ€“Xe, Uâ€“Pb chronology and isotope systematics of ancient zircons from Western Australia. Earth and Planetary Science Letters, 2007, 261, 491-499.	4.4	46
3	Characteristics and applications of RELAX, an ultrasensitive resonance ionization mass spectrometer for xenon. Journal of Analytical Atomic Spectrometry, 2008, 23, 938.	3.0	45
4	The Genesis solar xenon composition and its relationship to planetary xenon signatures. Geochimica Et Cosmochimica Acta, 2013, 123, 17-34.	3.9	34
5	Cosmochemical and spectroscopic properties of Northwest Africa 7325â€”A consortium study. Meteoritics and Planetary Science, 2016, 51, 3-30.	1.6	32
6	An early Iâ€Xe age for CB chondrite chondrule formation, and a reâ€evaluation of the closure age of Shallowater enstatite. Meteoritics and Planetary Science, 2009, 44, 573-579.	1.6	29
7	Solar composition from the Genesis Discovery Mission. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19147-19151.	7.1	27
8	Geochemical constraints on the half-life of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Te</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2008, 78, .	2.9	15
9	Triple Fâ€”a comet nucleus sample return mission. Experimental Astronomy, 2009, 23, 809-847.	3.7	14
10	Measuring the elemental abundance and isotopic signature of solar wind xenon collected by the Genesis mission. Journal of Analytical Atomic Spectrometry, 2012, 27, 256-269.	3.0	13
11	Collisional modification of the acapulcoite/lodranite parent body revealed by the iodineâ€xenon system in lodranites. Meteoritics and Planetary Science, 2009, 44, 1151-1159.	1.6	10
12	Short lived 36Cl and its decay products 36Ar and 36S in the early solar system. Geochimica Et Cosmochimica Acta, 2013, 123, 358-367.	3.9	10
13	Xenon and iodine reveal multiple distinct exotic xenon components in Efremovka â€œnanodiamondsâ€. Geochimica Et Cosmochimica Acta, 2016, 177, 78-93.	3.9	9
14	The I-Xe chronometer and its constraints on the accretion and evolution of planetesimals. Geochemical Journal, 2017, 51, 69-80.	1.0	9
15	The 313nm band system of SeO2. Part 1: vibrational structure. Journal of Molecular Spectroscopy, 2004, 225, 196-205.	1.2	7
16	The 313nm band system of SeO2. Part 2: rotational structure. Journal of Molecular Spectroscopy, 2004, 225, 206-221.	1.2	7
17	Terrestrial and Martian weathering signatures of xenon components in shergottite mineral separates. Meteoritics and Planetary Science, 2010, 45, 1359-1379.	1.6	6
18	Noble gases and halogens in Graves Nunataks 06129: The complex thermal history of a felsic asteroid crust. Geochimica Et Cosmochimica Acta, 2015, 159, 177-189.	3.9	5

#	Article	IF	Citations
19	Upper limit concentrations of trapped xenon in individual interplanetary dust particles from the stratosphere. Meteoritics and Planetary Science, 2009, 44, 249-259.	1.6	4
20	Old formation ages of igneous clasts on the L chondrite parent body reflect an early generation of planetesimals or chondrule formation. Earth and Planetary Science Letters, 2018, 481, 372-386.	4.4	4
21	Xenon systematics of individual lunar zircons, a new window on the history of the lunar surface. Geochimica Et Cosmochimica Acta, 2020, 286, 103-118.	3.9	4