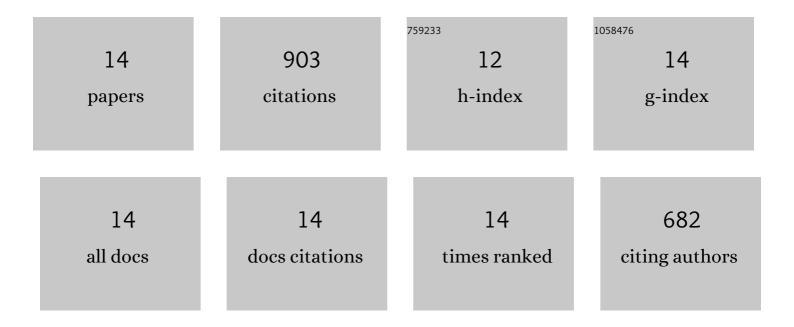
Jessica J Barnes

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Magmatic volatiles (H, C, N, F, S, Cl) in the lunar mantle, crust, and regolith: Abundances, distributions, processes, and reservoirs. American Mineralogist, 2015, 100, 1668-1707.	1.9	160
2	The abundance, distribution, and isotopic composition of Hydrogen in the Moon as revealed by basaltic lunar samples: Implications for the volatile inventory of the Moon. Geochimica Et Cosmochimica Acta, 2013, 122, 58-74.	3.9	127
3	The origin of water in the primitive Moon as revealed by the lunar highlands samples. Earth and Planetary Science Letters, 2014, 390, 244-252.	4.4	118
4	Accurate and precise measurements of the D/H ratio and hydroxyl content in lunar apatites using NanoSIMS. Chemical Geology, 2013, 337-338, 48-55.	3.3	90
5	Early degassing of lunar urKREEP by crust-breaching impact(s). Earth and Planetary Science Letters, 2016, 447, 84-94.	4.4	78
6	Lunar basalt chronology, mantle differentiation and implications for determining the age of the Moon. Earth and Planetary Science Letters, 2016, 451, 149-158.	4.4	60
7	Origin and abundances of H2O in the terrestrial planets, Moon, and asteroids. Earth and Planetary Science Letters, 2019, 526, 115771.	4.4	59
8	Multiple early-formed water reservoirs in the interior of Mars. Nature Geoscience, 2020, 13, 260-264.	12.9	43
9	Multiple reservoirs of volatiles in the Moon revealed by the isotopic composition of chlorine in lunar basalts. Geochimica Et Cosmochimica Acta, 2019, 266, 144-162.	3.9	41
10	Chlorine isotopic compositions of apatite in Apollo 14 rocks: Evidence for widespread vapor-phase metasomatism on the lunar nearside†â^¼4†billion years ago. Geochimica Et Cosmochimica Acta, 2018, 230, 46-59.	3.9	39
11	Understanding the origin and evolution of water in the Moon through lunar sample studies. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130254.	3.4	35
12	Early loss, fractionation, and redistribution of chlorine in the Moon as revealed by the low-Ti lunar mare basalt suite. Earth and Planetary Science Letters, 2018, 500, 205-214.	4.4	34
13	The abundances of F, Cl, and H2O in eucrites: Implications for the origin of volatile depletion in the asteroid 4 Vesta. Geochimica Et Cosmochimica Acta, 2021, 314, 270-293.	3.9	11
14	The chlorine-isotopic composition of lunar KREEP from magnesian-suite troctolite 76535. American Mineralogist, 2020, 105, 1270-1274.	1.9	8