Carolyn H Van Der Bogert

List of Publications by Year
in descending order

49 papers	1,837 citations	331670 21 h-index	315739 38 g-index
50 all docs	50 docs citations	50 times ranked	1221 citing authors

#	Article	IF	Citations
1	Young lunar mare basalts in the Chang'e-5 sample return region, northern Oceanus Procellarum. Earth and Planetary Science Letters, 2021, 555, 116702.	4.4	88
2	Studying the Global Spatial Randomness of Impact Craters on Mercury, Venus, and the Moon With Geodesic Neighborhood Relationships. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006693.	3.6	4
3	The Inner Solar System Chronology (ISOCHRON) Lunar Sample Return Mission Concept: Revealing Two Billion Years of History. Planetary Science Journal, 2021, 2, 79.	3.6	8
4	Science-rich Sites for In Situ Resource Utilization Characterization and End-to-end Demonstration Missions. Planetary Science Journal, 2021, 2, 84.	3.6	1
5	China's Chang'e-5 landing site: Geology, stratigraphy, and provenance of materials. Earth and Planetary Science Letters, 2021, 561, 116855.	4.4	99
6	In Situ Geochronology for the Next Decade: Mission Designs for the Moon, Mars, and Vesta. Planetary Science Journal, 2021, 2, 145.	3.6	6
7	Troctolite 76535: A sample of the Moon's South Pole-Aitken basin?. Icarus, 2020, 338, 113430.	2.5	19
8	Impact Melt Facies in the Moon's Crisium Basin: Identifying, Characterizing, and Future Radiogenic Dating. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006024.	3.6	12
9	Geological mapping and chronology of lunar landing sites: Apollo 12. Icarus, 2020, 352, 113991.	2.5	14
10	Reâ€examination of the Population, Stratigraphy, and Sequence of Mercurian Basins: Implications for Mercury's Early Impact History and Comparison With the Moon. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006212.	3.6	9
11	Degradation of Small Simple and Large Complex Lunar Craters: Not a Simple Scale Dependence. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006273.	3.6	10
12	Geological mapping and chronology of lunar landing sites: Apollo 11. Icarus, 2019, 333, 528-547.	2.5	14
13	The age of lunar mare basalts south of the Aristarchus Plateau and effects of secondary craters formed by the Aristarchus event. Icarus, 2018, 309, 45-60.	2.5	20
14	How old are lunar lobate scarps? 1. Seismic resetting of crater size-frequency distributions. Icarus, 2018, 306, 225-242.	2.5	39
15	Ancient Bombardment of the Inner Solar System: Reinvestigation of the â€œFingerprintsâ€•of Different Impactor Populations on the Lunar Surface. Journal of Geophysical Research E: Planets, 2018, 123, 748-762.	3.6	47
16	Crater density differences: Exploring regional resurfacing, secondary crater populations, and crater saturation equilibrium on the moon. Planetary and Space Science, 2018, 162, 41-51.	1.7	64
17	Lunar farside volcanism in and around the South Poleâ€“Aitken basin. Icarus, 2018, 299, 538-562.	2.5	61
18	Dating very young planetary surfaces from crater statistics: A review of issues and challenges. Meteoritics and Planetary Science, 2018, 53, 554-582.	1.6	45

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19	A New Tool to Account for Crater Obliteration Effects in Crater Sizeâ€Frequency Distribution Measurements. Earth and Space Science, 2018, 5, 258-267.	2.6	15
20	Origin of discrepancies between crater size-frequency distributions of coeval lunar geologic units via target property contrasts. Icarus, 2017, 298, 49-63.	2.5	50
21	Evidence for self-secondary cratering of Copernican-age continuous ejecta deposits on the Moon. Icarus, 2017, 298, 64-77.	2.5	55
22	Length-displacement scaling of thrust faults on the Moon and the formation of uphill-facing scarps. Icarus, 2017, 292, 111-124.	2.5	13
23	Investigation of newly discovered lobate scarps: Implications for the tectonic and thermal evolution of the Moon. Icarus, 2017, 298, 78-88.	2.5	22
24	The Lassell massifâ€”A silicic lunar volcano. Icarus, 2016, 273, 248-261.	2.5	25
25	Geomorphologic mapping of the lunar crater Tycho and its impact melt deposits. Icarus, 2016, 273, 164-181.	2.5	33
26	Crater size-frequency distribution measurements and age of the Comptonâ€“Belkovich Volcanic Complex. Icarus, 2016, 273, 214-223.	2.5	16
27	An exceptional grouping of lunar highland smooth plains: Geography, morphology, and possible origins. Icarus, 2016, 273, 121-134.	2.5	12
28	Landing site selection for Luna-Glob mission in crater Boguslawsky. Planetary and Space Science, 2015, 117, 45-63.	1.7	19
29	Small-scale lunar farside volcanism. Icarus, 2015, 257, 336-354.	2.5	44
30	Boulder Track. , 2015, , 163-169.		1
31	Skylight. , 2015, , 1-7.		0
32	Pit Crater. , 2015, , 1-8.		0
33	Impact Melt Pond. , 2015, , 978-988.		0
34	Pit Crater. , 2015, , 1570-1575.		0
35	Boulder Track. , 2014, , 1-8.		1
36	Evidence for basaltic volcanism on the Moon within the past 100 million years. Nature Geoscience, 2014, 7, 787-791.	12.9	147

#	Article	IF	Citations
37	Skylight. , 2014, , 1-7.		0
38	Pit Crater. , 2014, , 1-7.		0
39	Lava Tube. , 2014, , 1-7.		1
40	Lobate Scarp. , 2014, , 1-11.		0
41	Impact Melt Pond. , 2014, , 1-13.		0
42	Confirmation of sublunarean voids and thin layering in mare deposits. Planetary and Space Science, 2012, 69, 18-27.	1.7	129
43	How old are young lunar craters?. Journal of Geophysical Research, 2012, 117, .	3.3	138
44	Geology of the King crater region: New insights into impact melt dynamics on the Moon. Journal of Geophysical Research, 2012, 117, .	3.3	39
45	Non-mare silicic volcanism on the lunar farside at Comptonâ€“Belkovich. Nature Geoscience, 2011, 4, 566-571.	12.9	114
46	New insight into lunar impact melt mobility from the LRO camera. Geophysical Research Letters, 2010, 37, .	4.0	94
47	Evidence of Recent Thrust Faulting on the Moon Revealed by the Lunar Reconnaissance Orbiter Camera. Science, 2010, 329, 936-940.	12.6	135
48	Spectral properties of simulated impact glasses produced from martian soil analogue JSC Mars-1. Icarus, 2009, 202, 336-353.	2.5	40
49	Possible lunar lava tube skylight observed by SELENE cameras. Geophysical Research Letters, 2009, 36, .	4.0	134