Katrin Krohn

List of Publications by Year
in descending order

39 papers	1,042 citations	471509 17 h-index	414414 32 g-index
43 all docs	43 docs citations	43 times ranked	1007 citing authors

#	Article	IF	Citations
1	Science Drivers for the Future Exploration of Ceres: From Solar System Evolution to Ocean World Science. Planetary Science Journal, 2022, 3, 64.	3.6	4
2	Compositional control on impact crater formation on mid-sized planetary bodies: Dawn at Ceres and Vesta, Cassini at Saturn. Icarus, 2021, 359, 114343.	2.5	14
3	The unique spectral and geomorphological characteristics of pitted impact deposits associated with Marcia crater on Vesta. Icarus, 2021, 369, 114633.	2.5	1
4	Formation of ejecta and dust pond deposits on asteroid Vesta. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006873.	3.6	0
5	In situ fragmentation of lunar blocks and implications for impacts and solar-induced thermal stresses. Icarus, 2020, 336, 113431.	2.5	28
6	Fracture geometry and statistics of Ceresâ€™ floor fractures. Planetary and Space Science, 2020, 187, 104955.	1.7	4
7	Asymmetric Craters on the Dwarf Planet Ceresâ€"Results of Second Extended Mission Data Analysis. Geosciences (Switzerland), 2019, 9, 475.	2.2	3
8	Mineralogical analysis of the Ac-H-6 Haulani quadrangle of the dwarf planet Ceres. Icarus, 2019, 318, 170-187.	2.5	11
9	Mineralogical analysis of quadrangle Ac-H-10 Rongo on the dwarf planet Ceres. Icarus, 2019, 318, 212-229.	2.5	8
10	Spectral investigation of quadrangle AC-H 3 of the dwarf planet Ceres â€“ The region of impact crater Dantu. Icarus, 2019, 318, 111-123.	2.5	5
11	Ceresâ€™ impact craters â€“ Relationships between surface composition and geology. Icarus, 2019, 318, 56-74.	2.5	11
12	Bright carbonate surfaces on Ceres as remnants of salt-rich water fountains. Icarus, 2019, 320, 39-48.	2.5	42
13	Mineralogy and temperature of crater Haulani on Ceres. Meteoritics and Planetary Science, 2018, 53, 1902-1924.	1.6	21
14	The unique geomorphology and structural geology of the Haulani crater of dwarf planet Ceres as revealed by geological mapping of equatorial quadrangle Ac-6 Haulani. Icarus, 2018, 316, 84-98.	2.5	19
15	Geologic mapping of the Ac-11 Sintana quadrangle: Assessing diverse crater morphologies. Icarus, 2018, 316, 154-166.	2.5	7
16	Dantu's mineralogical properties â€“ A view into the composition of Ceres' crust. Meteoritics and Planetary Science, 2018, 53, 1866-1883.	1.6	10
17	Ringâ€Mold Craters on Ceres: Evidence for Shallow Subsurface Water Ice Sources. Geophysical Research Letters, 2018, 45, 8121-8128.	4.0	3
18	An investigation of the bluish material on Ceres. Geophysical Research Letters, 2017, 44, 1660-1668.	4.0	29

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19	Spectral analysis of Ahuna Mons from Dawn mission's visibleâ€infrared spectrometer. Geophysical Research Letters, 2017, 44, 97-104.	4.0	74
20	Timing of optical maturation of recently exposed material on Ceres. Geophysical Research Letters, 2016, 43, 11,987.	4.0	35
21	Cryogenic flow features on Ceres: Implications for craterâ€related cryovolcanism. Geophysical Research Letters, 2016, 43, 11,994.	4.0	48
22	The Coriolis effect on mass wasting during the Rheasilvia impact on asteroid Vesta. Geophysical Research Letters, 2016, 43, 12,340.	4.0	10
23	SURFACE ALBEDO AND SPECTRAL VARIABILITY OF CERES. Astrophysical Journal Letters, 2016, 817, L22.	8.3	42
24	MINERALOGICAL ANALYSIS OF THE HAULANI QUADRANGLE ON THE DWARF PLANET CERES. , 2016, , .		0
25	MINERALOGY OF RONGO QUANDRANGLE ON CERES. , 2016, , .		0
26	MINERALOGICAL VARIATIONS OF LOCALIZED FEATURES ON CERES. , 2016, , .		0
27	The Sextilia-region on Asteroid 4Vesta â€“ Stratigraphy and variegation. Icarus, 2015, 259, 162-180.	2.5	8
28	Vestaâ€™s Pinaria region: Original basaltic achondrite material derived from mixing upper and lower crust. Icarus, 2015, 259, 150-161.	2.5	4
29	The geological nature of dark material on Vesta and implications for the subsurface structure. Icarus, 2014, 240, 3-19.	2.5	28
30	Asymmetric craters on Vesta: Impact on sloping surfaces. Planetary and Space Science, 2014, 103, 36-56.	1.7	34
31	Imprint of the Rheasilvia impact on Vesta â€“ Geologic mapping of quadrangles Gegania and Lucaria. Icarus, 2014, 244, 60-73.	2.5	15
32	Morphology and formation ages of mid-sized post-Rheasilvia craters â€“ Geology of quadrangle Tuccia, Vesta. Icarus, 2014, 244, 133-157.	2.5	27
33	Mass movement on Vesta at steep scarps and crater rims. Icarus, 2014, 244, 120-132.	2.5	49
34	The cratering record, chronology and surface ages of (4) Vesta in comparison to smaller asteroids and the ages of HED meteorites. Planetary and Space Science, 2014, 103, 104-130.	1.7	80
35	Small fresh impact craters on asteroid 4 Vesta: A compositional and geological fingerprint. Journal of Geophysical Research E: Planets, 2014, 119, 771-797.	3.6	12
36	Massâ€wasting features and processes in Vesta's south polar basinâ€‰Rheasilvia. Journal of Geophysical Research E: Planets, 2013, 118, 2279-2294.	3.6	30

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37	Geology, geochemistry, and geophysics of the Moon: Status of current understanding. Planetary and Space Science, 2012, 74, 15-41.	1.7	104
38	Vestaâ€™s Shape and Morphology. Science, 2012, 336, 687-690.	12.6	222
39	Special Crater Types on Vesta and Ceres as Revealed by Dawn. , 0, , .		0