

Katrin Krohn

List of Publications by Year in descending order

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39
papers

1,042
citations

471509

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414414

32
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43
all docs

43
docs citations

43
times ranked

1007
citing authors

#	ARTICLE	IF	CITATIONS
1	Vesta's Shape and Morphology. <i>Science</i> , 2012, 336, 687-690.	12.6	222
2	Geology, geochemistry, and geophysics of the Moon: Status of current understanding. <i>Planetary and Space Science</i> , 2012, 74, 15-41.	1.7	104
3	The cratering record, chronology and surface ages of (4) Vesta in comparison to smaller asteroids and the ages of HED meteorites. <i>Planetary and Space Science</i> , 2014, 103, 104-130.	1.7	80
4	Spectral analysis of Ahuna Mons from Dawn mission's visible-infrared spectrometer. <i>Geophysical Research Letters</i> , 2017, 44, 97-104.	4.0	74
5	Mass movement on Vesta at steep scarps and crater rims. <i>Icarus</i> , 2014, 244, 120-132.	2.5	49
6	Cryogenic flow features on Ceres: Implications for crater-related cryovolcanism. <i>Geophysical Research Letters</i> , 2016, 43, 11,994.	4.0	48
7	SURFACE ALBEDO AND SPECTRAL VARIABILITY OF CERES. <i>Astrophysical Journal Letters</i> , 2016, 817, L22.	8.3	42
8	Bright carbonate surfaces on Ceres as remnants of salt-rich water fountains. <i>Icarus</i> , 2019, 320, 39-48.	2.5	42
9	Timing of optical maturation of recently exposed material on Ceres. <i>Geophysical Research Letters</i> , 2016, 43, 11,987.	4.0	35
10	Asymmetric craters on Vesta: Impact on sloping surfaces. <i>Planetary and Space Science</i> , 2014, 103, 36-56.	1.7	34
11	Mass-wasting features and processes in Vesta's south polar basin - Rheasilvia. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2279-2294.	3.6	30
12	An investigation of the bluish material on Ceres. <i>Geophysical Research Letters</i> , 2017, 44, 1660-1668.	4.0	29
13	The geological nature of dark material on Vesta and implications for the subsurface structure. <i>Icarus</i> , 2014, 240, 3-19.	2.5	28
14	In situ fragmentation of lunar blocks and implications for impacts and solar-induced thermal stresses. <i>Icarus</i> , 2020, 336, 113431.	2.5	28
15	Morphology and formation ages of mid-sized post-Rheasilvia craters - Geology of quadrangle Tuccia, Vesta. <i>Icarus</i> , 2014, 244, 133-157.	2.5	27
16	Mineralogy and temperature of crater Haulani on Ceres. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1902-1924.	1.6	21
17	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. <i>Icarus</i> , 2018, 316, 84-98.	2.5	19
18	Imprint of the Rheasilvia impact on Vesta - Geologic mapping of quadrangles Gegania and Lucaria. <i>Icarus</i> , 2014, 244, 60-73.	2.5	15

#	ARTICLE	IF	CITATIONS
19	Compositional control on impact crater formation on mid-sized planetary bodies: Dawn at Ceres and Vesta, Cassini at Saturn. <i>Icarus</i> , 2021, 359, 114343.	2.5	14
20	Small fresh impact craters on asteroid 4 Vesta: A compositional and geological fingerprint. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 771-797.	3.6	12
21	Mineralogical analysis of the Ac-H-6 Haulani quadrangle of the dwarf planet Ceres. <i>Icarus</i> , 2019, 318, 170-187.	2.5	11
22	Ceres's impact craters – Relationships between surface composition and geology. <i>Icarus</i> , 2019, 318, 56-74.	2.5	11
23	The Coriolis effect on mass wasting during the Rheasilvia impact on asteroid Vesta. <i>Geophysical Research Letters</i> , 2016, 43, 12,340.	4.0	10
24	Dantu's mineralogical properties – A view into the composition of Ceres' crust. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1866-1883.	1.6	10
25	The Sextilia-region on Asteroid 4Vesta – Stratigraphy and variegation. <i>Icarus</i> , 2015, 259, 162-180.	2.5	8
26	Mineralogical analysis of quadrangle Ac-H-10 Rongo on the dwarf planet Ceres. <i>Icarus</i> , 2019, 318, 212-229.	2.5	8
27	Geologic mapping of the Ac-11 Sintana quadrangle: Assessing diverse crater morphologies. <i>Icarus</i> , 2018, 316, 154-166.	2.5	7
28	Spectral investigation of quadrangle AC-H 3 of the dwarf planet Ceres – The region of impact crater Dantu. <i>Icarus</i> , 2019, 318, 111-123.	2.5	5
29	Vesta's Pinaria region: Original basaltic achondrite material derived from mixing upper and lower crust. <i>Icarus</i> , 2015, 259, 150-161.	2.5	4
30	Fracture geometry and statistics of Ceres's floor fractures. <i>Planetary and Space Science</i> , 2020, 187, 104955.	1.7	4
31	Science Drivers for the Future Exploration of Ceres: From Solar System Evolution to Ocean World Science. <i>Planetary Science Journal</i> , 2022, 3, 64.	3.6	4
32	Ring-Mold Craters on Ceres: Evidence for Shallow Subsurface Water Ice Sources. <i>Geophysical Research Letters</i> , 2018, 45, 8121-8128.	4.0	3
33	Asymmetric Craters on the Dwarf Planet Ceres – Results of Second Extended Mission Data Analysis. <i>Geosciences (Switzerland)</i> , 2019, 9, 475.	2.2	3
34	The unique spectral and geomorphological characteristics of pitted impact deposits associated with Marcia crater on Vesta. <i>Icarus</i> , 2021, 369, 114633.	2.5	1
35	Special Crater Types on Vesta and Ceres as Revealed by Dawn. , 0, , .		0
36	MINERALOGICAL ANALYSIS OF THE HAULANI QUADRANGLE ON THE DWARF PLANET CERES. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	MINERALOGY OF RONGO QUADRANGLE ON CERES. , 2016, , .		0
38	MINERALOGICAL VARIATIONS OF LOCALIZED FEATURES ON CERES. , 2016, , .		0
39	Formation of ejecta and dust pond deposits on asteroid Vesta. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006873.	3.6	0