

Katharina A Otto

List of Publications by Year in descending order

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papers

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567281

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citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete Element Modeling of Aeolian-like Morphologies on Comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2022, 662, A2.	5.1	1
2	Cometary dust analogues for physics experiments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3420-3438.	4.4	5
3	Influence of Volatiles on Mass Wasting Processes on Vesta and Ceres. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006573.	3.6	1
4	Geologic History and Crater Morphology of Asteroid (162173) Ryugu. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006572.	3.6	10
5	Spectral and Petrographic Properties of Inclusions in Carbonaceous Chondrites and Comparison with In Situ Images from Asteroid Ryugu. <i>Planetary Science Journal</i> , 2021, 2, 188.	3.6	4
6	Formation of ejecta and dust pond deposits on asteroid Vesta. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006873.	3.6	0
7	Surface environment of Phobos and Phobos simulant UTPS. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	15
8	In situ fragmentation of lunar blocks and implications for impacts and solar-induced thermal stresses. <i>Icarus</i> , 2020, 336, 113431.	2.5	28
9	Surface roughness of asteroid (162173) Ryugu and comet 67P/Churyumov-Gerasimenko inferred from <i>in situ</i> observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3178-3193.	4.4	11
10	Discrete element modeling of boulder and cliff morphologies on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2020, 641, A19.	5.1	5
11	Ceres Crater Degradation Inferred From Concentric Fracturing. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1188-1203.	3.6	15
12	Surface Morphology of Comets and Associated Evolutionary Processes: A Review of Rosetta's Observations of 67P/Churyumov-Gerasimenko. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	28
13	Low thermal conductivity boulder with high porosity identified on C-type asteroid (162173) Ryugu. <i>Nature Astronomy</i> , 2019, 3, 971-976.	10.1	124
14	Images from the surface of asteroid Ryugu show rocks similar to carbonaceous chondrite meteorites. <i>Science</i> , 2019, 365, 817-820.	12.6	99
15	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. <i>Science</i> , 2019, 364, 252.	12.6	313
16	A Global Inventory of Ice-Related Morphological Features on Dwarf Planet Ceres: Implications for the Evolution and Current State of the Cryosphere. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1650-1689.	3.6	33
17	Asymmetric Craters on the Dwarf Planet Ceres—Results of Second Extended Mission Data Analysis. <i>Geosciences (Switzerland)</i> , 2019, 9, 475.	2.2	3
18	Ring-Mold Craters on Ceres: Evidence for Shallow Subsurface Water Ice Sources. <i>Geophysical Research Letters</i> , 2018, 45, 8121-8128.	4.0	3

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19	The vanishing cryovolcanoes of Ceres. <i>Geophysical Research Letters</i> , 2017, 44, 1243-1250.	4.0	56
20	An investigation of the bluish material on Ceres. <i>Geophysical Research Letters</i> , 2017, 44, 1660-1668.	4.0	29
21	Seasonal mass transfer on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S357-S371.	4.4	111
22	Timing of optical maturation of recently exposed material on Ceres. <i>Geophysical Research Letters</i> , 2016, 43, 11,987.	4.0	35
23	Cryogenic flow features on Ceres: Implications for crater-related cryovolcanism. <i>Geophysical Research Letters</i> , 2016, 43, 11,994.	4.0	48
24	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
25	The geomorphology of Ceres. <i>Science</i> , 2016, 353, .	12.6	109
26	The structure of the regolith on 67P/Churyumov-Gerasimenko from ROLIS descent imaging. <i>Science</i> , 2015, 349, aab0232.	12.6	86
27	Mass movement on Vesta at steep scarps and crater rims. <i>Icarus</i> , 2014, 244, 120-132.	2.5	49
28	Application and calibration of a simple position detector for a dust accelerator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 729, 841-848.	1.6	4
29	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