

Jakob Deller

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

948
citations

471509

17
h-index

477307

29
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34
all docs

34
docs citations

34
times ranked

819
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal mass transfer on the nucleus of comet 67P/Churyumovâ€™Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S357-S371.	4.4	111
2	The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. Nature Astronomy, 2017, 1, .	10.1	100
3	Rosettaâ€™s comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. Science, 2016, 354, 1566-1570.	12.6	97
4	Fractures on comet 67P/Churyumovâ€™Gerasimenko observed by Rosetta/OSIRIS. Geophysical Research Letters, 2015, 42, 5170-5178.	4.0	71
5	The quest for companions to post-common envelope binaries. Astronomy and Astrophysics, 2012, 543, A138.	5.1	63
6	Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. Science, 2017, 355, 1392-1395.	12.6	63
7	Dust mass distribution around comet 67P/Churyumovâ€™Gerasimenko determined via parallax measurements using Rosetta's OSIRIS cameras. Monthly Notices of the Royal Astronomical Society, 2017, 469, S276-S284.	4.4	43
8	The pebbles/boulders size distributions on Sais: Rosettaâ€™s final landing site on comet 67P/Churyumovâ€™Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S636-S645.	4.4	40
9	Tensile strength of 67P/Churyumovâ€™Gerasimenko nucleus material from overhangs. Astronomy and Astrophysics, 2018, 611, A33.	5.1	40
10	Thermal modelling of water activity on comet 67P/Churyumov-Gerasimenko with global dust mantle and plural dust-to-ice ratio. Monthly Notices of the Royal Astronomical Society, 2017, 469, S295-S311.	4.4	39
11	Gas outflow and dust transport of comet 67P/Churyumovâ€™Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S533-S546.	4.4	34
12	The southern hemisphere of 67P/Churyumov-Gerasimenko: Analysis of the preperihelion size-frequency distribution of boulders ≥ 7 m. Astronomy and Astrophysics, 2016, 592, L2.	5.1	27
13	Geomorphological mapping of comet 67P/Churyumovâ€™Gerasimenkoâ€™s Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2016, 462, S573-S592.	4.4	23
14	A three-dimensional modelling of the layered structure of comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S741-S754.	4.4	22
15	On deviations from free-radial outflow in the inner coma of comet 67P/Churyumovâ€™Gerasimenko. Icarus, 2018, 311, 1-22.	2.5	21
16	The phase function and density of the dust observed at comet 67P/Churyumovâ€™Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2835-2839.	4.4	20
17	Linking surface morphology, composition, and activity on the nucleus of 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A7.	5.1	18
18	The Agilkia boulders/pebbles sizeâ€™frequency distributions: OSIRIS and ROLIS joint observations of 67P surface. Monthly Notices of the Royal Astronomical Society, 2016, 462, S242-S252.	4.4	15

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19	Exposed bright features on the comet 67P/Churyumov-Gerasimenko: distribution and evolution. <i>Astronomy and Astrophysics</i> , 2018, 613, A36.	5.1	15
20	Surface evolution of the Anhur region on comet 67P/Churyumov-Gerasimenko from high-resolution OSIRIS images. <i>Astronomy and Astrophysics</i> , 2019, 630, A13.	5.1	15
21	DISCUS – The Deep Interior Scanning CubeSat mission to a rubble pile near-Earth asteroid. <i>Advances in Space Research</i> , 2018, 62, 3357-3368.	2.6	14
22	Characterization of dust aggregates in the vicinity of the Rosetta spacecraft. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S312-S320.	4.4	12
23	Multidisciplinary analysis of the Hapi region located on Comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2139-2154.	4.4	9
24	Distance determination method of dust particles using Rosetta OSIRIS NAC and WAC data. <i>Planetary and Space Science</i> , 2017, 143, 256-264.	1.7	8
25	Geomorphological and spectrophotometric analysis of Seth's circular niches on comet 67P/Churyumov-Gerasimenko using OSIRIS images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S238-S251.	4.4	8
26	Pronounced morphological changes in a southern active zone on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A8.	5.1	7
27	The backscattering ratio of comet 67P/Churyumov-Gerasimenko dust coma as seen by OSIRIS onboard Rosetta. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	6
28	Quantitative analysis of isolated boulder fields on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A15.	5.1	4
29	Impacts on Rubble Pile Asteroid Āteins. <i>Springer Theses</i> , 2017, , 91-128.	0.1	2
30	Phase-curve analysis of comet 67P/Churyumov-Gerasimenko at small phase angles. <i>Astronomy and Astrophysics</i> , 2019, 630, A11.	5.1	1
31	A New Approach to Modelling Impacts on Rubble Pile Asteroid Simulants. <i>Springer Theses</i> , 2017, , 69-90.	0.1	0