

# Katherine R De Kleer

## List of Publications by Year in descending order

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38  
papers

924  
citations

430874

18  
h-index

477307

29  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1279  
citing authors

#	ARTICLE	IF	CITATIONS
1	A NEARBY M STAR WITH THREE TRANSITING SUPER-EARTHS DISCOVERED BY K2. <i>Astrophysical Journal</i> , 2015, 804, 10.	4.5	149
2	Radar observations and shape model of asteroid 16 Psyche. <i>Icarus</i> , 2017, 281, 388-403.	2.5	87
3	A PROGRADE, LOW-INCLINATION ORBIT FOR THE VERY HOT JUPITER WASP-3b. <i>Astrophysical Journal</i> , 2010, 715, 421-428.	4.5	53
4	Two Small Transiting Planets and a Possible Third Body Orbiting HD 106315. <i>Astronomical Journal</i> , 2017, 153, 255.	4.7	51
5	Time variability of Io's volcanic activity from near-IR adaptive optics observations on 100 nights in 2013â€“2015. <i>Icarus</i> , 2016, 280, 378-404.	2.5	40
6	Io's Volcanic Activity from Time Domain Adaptive Optics Observations: 2013â€“2018. <i>Astronomical Journal</i> , 2019, 158, 29.	4.7	32
7	Near-infrared monitoring of Io and detection of a violent outburst on 29 August 2013. <i>Icarus</i> , 2014, 242, 352-364.	2.5	31
8	Spatial distribution of Io's volcanic activity from near-IR adaptive optics observations on 100 nights in 2013â€“2015. <i>Icarus</i> , 2016, 280, 405-414.	2.5	28
9	Multi-phase volcanic resurfacing at Loki Patera on Io. <i>Nature</i> , 2017, 545, 199-202.	27.8	26
10	Analysis of Neptune's 2017 bright equatorial storm. <i>Icarus</i> , 2019, 321, 324-345.	2.5	25
11	Variability in Io's Volcanism on Timescales of Periodic Orbital Changes. <i>Geophysical Research Letters</i> , 2019, 46, 6327-6332.	4.0	24
12	A New Dark Vortex on Neptune. <i>Astronomical Journal</i> , 2018, 155, 117.	4.7	22
13	Clouds and aerosols on Uranus: Radiative transfer modeling of spatially-resolved near-infrared Keck spectra. <i>Icarus</i> , 2015, 256, 120-137.	2.5	21
14	Neptune long-lived atmospheric features in 2013â€“2015 from small (28-cm) to large (10-m) telescopes. <i>Icarus</i> , 2017, 295, 89-109.	2.5	21
15	SPATIALLY RESOLVED M-BAND EMISSION FROM IO'S LOKI PATERA'S FIZEAU IMAGING AT THE 22.8 m LBT. <i>Astronomical Journal</i> , 2015, 149, 175.	4.7	20
16	The triaxial ellipsoid size, density, and rotational pole of asteroid (16) Psyche from Keck and Gemini AO observations 2004â€“2015. <i>Icarus</i> , 2018, 305, 174-185.	2.5	20
17	Three decades of Loki Patera observations. <i>Icarus</i> , 2017, 297, 265-281.	2.5	19
18	Variability and geologic associations of volcanic activity on Io in 2001â€“2016. <i>Icarus</i> , 2018, 312, 267-294.	2.5	19

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19	Ganymede's Surface Properties from Millimeter and Infrared Thermal Emission. Planetary Science Journal, 2021, 2, 5.	3.6	19
20	The Surface of (16) Psyche from Thermal Emission and Polarization Mapping. Planetary Science Journal, 2021, 2, 149.	3.6	19
21	ALMA Observations of Io Going into and Coming out of Eclipse. Planetary Science Journal, 2020, 1, 60.	3.6	19
22	Retrieving Neptune's aerosol properties from Keck OSIRIS observations. I. Dark regions. Icarus, 2016, 276, 52-87.	2.5	18
23	Asteroid 16 Psyche: Shape, Features, and Global Map. Planetary Science Journal, 2021, 2, 125.	3.6	18
24	Io's Loki Patera: Modeling of three brightening events in 2013-2016. Icarus, 2017, 289, 181-198.	2.5	16
25	An attempt to detect transient changes in Io's SO <sub>2</sub> and NaCl atmosphere. Icarus, 2020, 350, 113005.	2.5	16
26	Io: Eruptions at Pillan, and the time evolution of Pele and Pillan from 1996 to 2015. Icarus, 2016, 264, 198-212.	2.5	15
27	A 2020 Observational Perspective of Io. Annual Review of Earth and Planetary Sciences, 2021, 49, 643-678.	11.0	15
28	Keck adaptive optics images of Jupiter's north polar cap and Northern Red Oval. Icarus, 2011, 213, 559-563.	2.5	14
29	Discovery of a Powerful, Transient, Explosive Thermal Event at Marduk Fluctus, Io, in Galileo NIMS Data. Geophysical Research Letters, 2018, 45, 2926-2933.	4.0	13
30	Near-infrared spectra of the uranian ring system. Icarus, 2013, 226, 1038-1044.	2.5	12
31	Emission from volcanic SO gas on Io at high spectral resolution. Icarus, 2019, 317, 104-120.	2.5	12
32	Europa's Optical Aurora. Astronomical Journal, 2018, 156, 167.	4.7	9
33	The Heterogeneous Surface of Asteroid (16) Psyche. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	7
34	High Spatial and Spectral Resolution Observations of the Forbidden 1.707 $\mu$ m Rovibronic SO Emissions on Io: Evidence for Widespread Stealth Volcanism*. Planetary Science Journal, 2020, 1, 29.	3.6	6
35	Resolving Io's Volcanoes from a Mutual Event Observation at the Large Binocular Telescope. Planetary Science Journal, 2021, 2, 227.	3.6	5
36	OH emission and absorption associated with supernovae in Arp 220. Proceedings of the International Astronomical Union, 2007, 3, 432-436.	0.0	1

#	ARTICLE	IF	CITATIONS
37	Mapping satellite surfaces and atmospheres with ground-based radio interferometry. , 2021, 53, .		1
38	Europa's Optical Aurora: Update from Four New Hubble Eclipse Observations. Research Notes of the AAS, 2019, 3, 27.	0.7	1