

# Kynan H G Hughson

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

552  
citations

687220

13  
h-index

713332

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

483  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of local H <sub>2</sub> O exposed at the surface of Ceres. <i>Science</i> , 2016, 353, .	6.0	128
2	Geomorphological evidence for ground ice on dwarf planet Ceres. <i>Nature Geoscience</i> , 2017, 10, 338-343.	5.4	83
3	Pitted terrains on (1) Ceres and implications for shallow subsurface volatile distribution. <i>Geophysical Research Letters</i> , 2017, 44, 6570-6578.	1.5	48
4	Exposed H <sub>2</sub> O-rich areas detected on Ceres with the dawn visible and infrared mapping spectrometer. <i>Icarus</i> , 2019, 318, 22-41.	1.1	47
5	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.	1.5	33
6	Evidence of non-uniform crust of Ceres from Dawn's high-resolution gravity data. <i>Nature Astronomy</i> , 2020, 4, 748-755.	4.2	30
7	The Ac-5 (Fejokoo) quadrangle of Ceres: Geologic map and geomorphological evidence for ground ice mediated surface processes. <i>Icarus</i> , 2018, 316, 63-83.	1.1	21
8	Ceres's Ezinu quadrangle: a heavily cratered region with evidence for localized subsurface water ice and the context of Occator crater. <i>Icarus</i> , 2018, 316, 46-62.	1.1	21
9	Fluidized Appearing Ejecta on Ceres: Implications for the Mechanical Properties, Frictional Properties, and Composition of its Shallow Subsurface. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1819-1839.	1.5	19
10	Geological mapping of the Ac-10 Rongo Quadrangle of Ceres. <i>Icarus</i> , 2018, 316, 140-153.	1.1	16
11	Landslides on Ceres: Inferences Into Ice Content and Layering in the Upper Crust. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1512-1524.	1.5	16
12	Post-impact cryo-hydrologic formation of small mounds and hills in Ceres's Occator crater. <i>Nature Geoscience</i> , 2020, 13, 605-610.	5.4	15
13	Landslides on Ceres: Diversity and Geologic Context. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3329-3343.	1.5	14
14	Exploration of Icy Ocean Worlds Using Geophysical Approaches. <i>Planetary Science Journal</i> , 2021, 2, 150.	1.5	14
15	Floor-Fractured Craters on Ceres and Implications for Interior Processes. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3188-3204.	1.5	13
16	Surface Roughness and Gravitational Slope Distributions of Vesta and Ceres. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 14-30.	1.5	12
17	Normal Faults on Ceres: Insights Into the Mechanical Properties and Thermal History of Nar Sulcus. <i>Geophysical Research Letters</i> , 2019, 46, 80-88.	1.5	7
18	Geology of Ceres's North Pole quadrangle with Dawn FC imaging data. <i>Icarus</i> , 2018, 316, 14-27.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Science Drivers for the Future Exploration of Ceres: From Solar System Evolution to Ocean World Science. Planetary Science Journal, 2022, 3, 64.	1.5	4
20	The case for a Themis asteroid family spacecraft mission. Planetary and Space Science, 2022, 212, 105413.	0.9	3
21	Mineralogy mapping of the Ac-H-5 Fejokoo quadrangle of Ceres. Icarus, 2019, 318, 147-169.	1.1	1
22	HIDDEN ICE: USING AGGREGATE SPATIAL AND PHYSICAL PROPERTIES OF LIKELY GROUND ICE DRIVEN FLOWS ON CERES TO BETTER UNDERSTAND ITS SURFACE COMPOSITION. , 2016, , .		1