

# Nico Schmedemann

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,517  
citations

279798

23  
h-index

395702

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vesta's Shape and Morphology. <i>Science</i> , 2012, 336, 687-690.	12.6	222
2	Cryovolcanism on Ceres. <i>Science</i> , 2016, 353, .	12.6	164
3	Cratering on Ceres: Implications for its crust and evolution. <i>Science</i> , 2016, 353, .	12.6	135
4	Planetary surface dating from crater size-frequency distribution measurements: Spatial randomness and clustering. <i>Icarus</i> , 2012, 218, 169-177.	2.5	129
5	Sublimation in bright spots on (1) Ceres. <i>Nature</i> , 2015, 528, 237-240.	27.8	116
6	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
7	Cryogenic flow features on Ceres: Implications for crater-related cryovolcanism. <i>Geophysical Research Letters</i> , 2016, 43, 11,994.	4.0	48
8	Pitted terrains on (1) Ceres and implications for shallow subsurface volatile distribution. <i>Geophysical Research Letters</i> , 2017, 44, 6570-6578.	4.0	48
9	Olivine or impact melt: Nature of the "Orange" material on Vesta from Dawn. <i>Icarus</i> , 2013, 226, 1568-1594.	2.5	47
10	The various ages of Occator crater, Ceres: Results of a comprehensive synthesis approach. <i>Icarus</i> , 2019, 320, 60-82.	2.5	38
11	The geology of the Marcia quadrangle of asteroid Vesta: Assessing the effects of large, young craters. <i>Icarus</i> , 2014, 244, 74-88.	2.5	36
12	Timing of optical maturation of recently exposed material on Ceres. <i>Geophysical Research Letters</i> , 2016, 43, 11,987.	4.0	35
13	Asymmetric craters on Vesta: Impact on sloping surfaces. <i>Planetary and Space Science</i> , 2014, 103, 36-56.	1.7	34
14	Detection of serpentine in exogenic carbonaceous chondrite material on Vesta from Dawn FC data. <i>Icarus</i> , 2014, 239, 222-237.	2.5	34
15	The age of Phobos and its largest crater, Stickney. <i>Planetary and Space Science</i> , 2014, 102, 152-163.	1.7	32
16	Recent cryovolcanic activity at Occator crater on Ceres. <i>Nature Astronomy</i> , 2020, 4, 794-801.	10.1	32
17	Evidence for the Interior Evolution of Ceres from Geologic Analysis of Fractures. <i>Geophysical Research Letters</i> , 2017, 44, 9564-9572.	4.0	31
18	The SariÅşek howardite fall in Turkey: Source crater of HED meteorites on Vesta and impact risk of Vestoids. <i>Meteoritics and Planetary Science</i> , 2019, 54, 953-1008.	1.6	30

#	ARTICLE	IF	CITATIONS
19	An investigation of the bluish material on Ceres. <i>Geophysical Research Letters</i> , 2017, 44, 1660-1668.	4.0	29
20	The geology of the Kerwan quadrangle of dwarf planet Ceres: Investigating Ceres's oldest, largest impact basin. <i>Icarus</i> , 2018, 316, 99-113.	2.5	28
21	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
22	The chronostratigraphy of protoplanet Vesta. <i>Icarus</i> , 2014, 244, 158-165.	2.5	26
23	Geologic mapping of the Urvara and Yalode Quadrangles of Ceres. <i>Icarus</i> , 2018, 316, 167-190.	2.5	23
24	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.	2.5	21
25	Geologic mapping of the Ac-2 Coniraya quadrangle of Ceres from NASA's Dawn mission: Implications for a heterogeneously composed crust. <i>Icarus</i> , 2018, 316, 28-45.	2.5	20
26	Geological mapping of the Ac-10 Rongo Quadrangle of Ceres. <i>Icarus</i> , 2018, 316, 140-153.	2.5	16
27	Ceres's impact craters – Relationships between surface composition and geology. <i>Icarus</i> , 2019, 318, 56-74.	2.5	11
28	Geologic mapping of the Ac-11 Sintana quadrangle: Assessing diverse crater morphologies. <i>Icarus</i> , 2018, 316, 154-166.	2.5	7
29	Geology of Ceres's North Pole quadrangle with Dawn FC imaging data. <i>Icarus</i> , 2018, 316, 14-27.	2.5	6
30	The geology of the Nawish quadrangle of Ceres: The rim of an ancient basin. <i>Icarus</i> , 2018, 316, 114-127.	2.5	6
31	Brine residues and organics in the Urvara basin on Ceres. <i>Nature Communications</i> , 2022, 13, 927.	12.8	3
32	Unique Light Scattering at Occator's Faculae on (1) Ceres. <i>Astronomical Journal</i> , 2019, 158, 85.	4.7	2
33	Geology and colour of Kupalo crater on Ceres. <i>Planetary and Space Science</i> , 2022, 220, 105538.	1.7	1