

# Lynnae C Quick

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7239815/publications.pdf>

Version: 2024-02-01

30  
papers

870  
citations

516710

16  
h-index

501196

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

755  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryovolcanism on Ceres. <i>Science</i> , 2016, 353, .	12.6	164
2	Science Goals and Objectives for the Dragonfly Titan Rotorcraft Relocatable Lander. <i>Planetary Science Journal</i> , 2021, 2, 130.	3.6	80
3	A Possible Brine Reservoir Beneath Occator Crater: Thermal and Compositional Evolution and Formation of the Cerealia Dome and Vinalia Faculae. <i>Icarus</i> , 2019, 320, 119-135.	2.5	55
4	Impact-driven mobilization of deep crustal brines on dwarf planet Ceres. <i>Nature Astronomy</i> , 2020, 4, 741-747.	10.1	50
5	Cryovolcanic emplacement of domes on Europa. <i>Icarus</i> , 2017, 284, 477-488.	2.5	47
6	Ceres: Astrobiological Target and Possible Ocean World. <i>Astrobiology</i> , 2020, 20, 269-291.	3.0	43
7	Slurry extrusion on Ceres from a convective mud-bearing mantle. <i>Nature Geoscience</i> , 2019, 12, 505-509.	12.9	42
8	The varied sources of faculae-forming brines in Ceresâ€™ Occator crater emplaced via hydrothermal brine effusion. <i>Nature Communications</i> , 2020, 11, 3680.	12.8	41
9	Constraints on the detection of cryovolcanic plumes on Europa. <i>Planetary and Space Science</i> , 2013, 86, 1-9.	1.7	34
10	A Global Inventory of Iceâ€™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
11	Heat transfer of ascending cryomagma on Europa. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 319, 66-77.	2.1	29
12	The central pit and dome at Cerealia Facula bright deposit and floor deposits in Occator crater, Ceres: Morphology, comparisons and formation. <i>Icarus</i> , 2019, 320, 159-187.	2.5	28
13	Constraining the thickness of Europaâ€™s waterâ€™ice shell: Insights from tidal dissipation and conductive cooling. <i>Icarus</i> , 2015, 253, 16-24.	2.5	23
14	Tectonic analysis of fracturing associated with occator crater. <i>Icarus</i> , 2019, 320, 49-59.	2.5	21
15	Seismicity on tidally active solid-surface worlds. <i>Icarus</i> , 2020, 338, 113466.	2.5	20
16	Characterizing deposits emplaced by cryovolcanic plumes on Europa. <i>Icarus</i> , 2020, 343, 113667.	2.5	20
17	Forecasting Rates of Volcanic Activity on Terrestrial Exoplanets and Implications for Cryovolcanic Activity on Extrasolar Ocean Worlds. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 084402.	3.1	19
18	Synthesis of the special issue: The formation and evolution of Ceresâ€™ Occator crater. <i>Icarus</i> , 2019, 320, 213-225.	2.5	17

#	ARTICLE	IF	CITATIONS
19	The Fundamental Connections between the Solar System and Exoplanetary Science. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006643.	3.6	15
20	Triton: Fascinating Moon, Likely Ocean World, Compelling Destination!. Planetary Science Journal, 2021, 2, 137.	3.6	15
21	New approaches to inferences for steep-sided domes on Venus. Journal of Volcanology and Geothermal Research, 2016, 319, 93-105.	2.1	14
22	Floorâ€Fractured Craters on Ceres and Implications for Interior Processes. Journal of Geophysical Research E: Planets, 2018, 123, 3188-3204.	3.6	13
23	Neptune Odyssey: A Flagship Concept for the Exploration of the Neptuneâ€Triton System. Planetary Science Journal, 2021, 2, 184.	3.6	11
24	Cryolava Dome growth resulting from active eruptions on Jupiter's moon Europa. Icarus, 2022, 387, 115185.	2.5	10
25	Concepts for the Future Exploration of Dwarf Planet Ceresâ€™ Habitability. Planetary Science Journal, 2022, 3, 41.	3.6	9
26	Hypotheses for Triton's plumes: New analyses and future remote sensing tests. Icarus, 2022, 375, 114835.	2.5	6
27	Science Drivers for the Future Exploration of Ceres: From Solar System Evolution to Ocean World Science. Planetary Science Journal, 2022, 3, 64.	3.6	4
28	Exploration Strategy for the Outer Planets 2023â€2032: Goals and Priorities. , 2021, 53, .		3
29	Cryovolcanism. , 2022, , 161-234.		3
30	Ahuna Mons lonely no more. Nature Astronomy, 2018, 2, 940-941.	10.1	0