

Serina Diniega

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,575
citations

516710

16
h-index

610901

24
g-index

34
all docs

34
docs citations

34
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	The NASA Roadmap to Ocean Worlds. <i>Astrobiology</i> , 2019, 19, 1-27.	3.0	209
2	Seasonal Erosion and Restoration of Mars's Northern Polar Dunes. <i>Science</i> , 2011, 331, 575-578.	12.6	205
3	Seasonal activity and morphological changes in martian gullies. <i>Icarus</i> , 2012, 220, 124-143.	2.5	195
4	Long-term monitoring of martian gully formation and evolution with MRO/HiRISE. <i>Icarus</i> , 2015, 251, 244-263.	2.5	141
5	Planet-wide sand motion on Mars. <i>Geology</i> , 2012, 40, 31-34.	4.4	136
6	A new dry hypothesis for the formation of martian linear gullies. <i>Icarus</i> , 2013, 225, 526-537.	2.5	132
7	New and recent gully activity on Mars as seen by HiRISE. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	105
8	Seasonality of present-day Martian dune-gully activity. <i>Geology</i> , 2010, 38, 1047-1050.	4.4	104
9	Agents of change on Mars's northern dunes: CO ₂ ice and wind. <i>Icarus</i> , 2015, 251, 264-274.	2.5	63
10	The formation of gullies on Mars today. <i>Geological Society Special Publication</i> , 2019, 467, 67-94.	1.3	45
11	Long-time evolution of models of aeolian sand dune fields: Influence of dune formation and collision. <i>Geomorphology</i> , 2010, 121, 55-68.	2.6	43
12	Modern Mars' geomorphological activity, driven by wind, frost, and gravity. <i>Geomorphology</i> , 2021, 380, 107627.	2.6	40
13	Our evolving understanding of aeolian bedforms, based on observation of dunes on different worlds. <i>Aeolian Research</i> , 2017, 26, 5-27.	2.7	33
14	Dune-slope activity due to frost and wind throughout the north polar erg, Mars. <i>Geological Society Special Publication</i> , 2019, 467, 95-114.	1.3	18
15	6th international conference on Mars polar science and exploration: Conference summary and five top questions. <i>Icarus</i> , 2018, 308, 2-14.	2.5	17
16	Active Mars: A Dynamic World. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006876.	3.6	17
17	The influence of temperature-dependent viscosity on lava flow dynamics. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1516-1532.	2.8	16
18	The Distribution of Frosts on Mars: Links to Present-Day Gully Activity. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006577.	3.6	13

#	ARTICLE	IF	CITATIONS
19	Revealing Active Mars with HiRISE Digital Terrain Models. <i>Remote Sensing</i> , 2022, 14, 2403.	4.0	11
20	Temperatures, thermal structure, and behavior of eruptions at Kilauea and Erta Ale volcanoes using a consumer digital camcorder. <i>GeoResJ</i> , 2015, 5, 47-56.	1.4	7
21	Past, Present, and Future of Mars Polar Science: Outcomes and Outlook from the 7th International Conference on Mars Polar Science and Exploration. <i>Planetary Science Journal</i> , 2021, 2, 209.	3.6	6
22	High-priority science questions identified at the Mars Workshop on Amazonian and Present-Day Climate. <i>Planetary and Space Science</i> , 2020, 182, 104813.	1.7	4
23	Using satellite imagery to identify and analyze tumuli on Earth and Mars. <i>Earth and Planetary Science Letters</i> , 2018, 482, 52-61.	4.4	3
24	Solar-System-Wide Significance of Mars Polar Science. , 2021, 53, .		2
25	Mars as a "natural laboratory" for studying surface activity on a range of planetary bodies. , 2021, 53, .		2
26	Martian Dunes: A Crucial Record of Present and Past Mars Surface Environment and Aeolian Processes. , 2022, , 617-636.		2
27	Mission to the Trojan asteroids: Lessons learned during a JPL Planetary Science Summer School mission design exercise. <i>Planetary and Space Science</i> , 2013, 76, 68-82.	1.7	1
28	The case for a multi-channel polarization sensitive LIDAR for investigation of insolation-driven ices and atmospheres. , 2021, 53, .		1
29	Mars Next Orbiter Science Analysis Group (NEX-SAG): White Paper Report to the 2023-2032 Planetary Sciences and Astrobiology Decadal Survey. , 2021, 53, .		1
30	Current Activity on the Martian Surface: A Key Subject for Future Exploration. , 2021, 53, .		1
31	The Importance of the Climate Record in the Martian Polar Layered Deposits. , 2021, 53, .		1
32	A Critical Gap: In situ Measurements of Planetary Surface-Atmosphere Interactions Beyond Earth. , 2021, 53, .		1