Serina Diniega

List of Publications by Year
in descending order

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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	Martian Dunes: A Crucial Record of Present and Past Mars Surface Environment and Aeolian Processes. , 2022, , 617-636.		2
2	Revealing Active Mars with HiRISE Digital Terrain Models. Remote Sensing, 2022, 14, 2403.	4.0	11
3	The case for a multi-channel polarization sensitive LIDAR for investigation of insolation-driven ices and atmospheres. , 2021, 53, .		1
4	Mars Next Orbiter Science Analysis Group (NEX-SAG): White Paper Report to the 2023-2032 Planetary Sciences and Astrobiology Decadal Survey. , 2021, 53, .		1
5	Current Activity on the Martian Surface: A Key Subject for Future Exploration. , 2021, 53, .		1
6	The Importance of the Climate Record in the Martian Polar Layered Deposits. , 2021, 53, .		1
7	The Distribution of Frosts on Mars: Links to Presentâ€Day Gully Activity. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006577.	3.6	13
8	A Critical Gap: In situ Measurements of Planetary Surface-Atmosphere Interactions Beyond Earth. , 2021, 53, .		1
9	Solar-System-Wide Significance of Mars Polar Science. , 2021, 53, .		2
10	Mars as a â€œnatural laboratoryâ€•for studying surface activity on a range of planetary bodies. , 2021, 53, .		2
11	Modern Mars' geomorphological activity, driven by wind, frost, and gravity. Geomorphology, 2021, 380, 107627.	2.6	40
12	Active Mars: A Dynamic World. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006876.	3.6	17
13	Past, Present, and Future of Mars Polar Science: Outcomes and Outlook from the 7th International Conference on Mars Polar Science and Exploration. Planetary Science Journal, 2021, 2, 209.	3.6	6
14	High-priority science questions identified at the Mars Workshop on Amazonian and Present-Day Climate. Planetary and Space Science, 2020, 182, 104813.	1.7	4
15	Dune-slope activity due to frost and wind throughout the north polar erg, Mars. Geological Society Special Publication, 2019, 467, 95-114.	1.3	18
16	The NASA Roadmap to Ocean Worlds. Astrobiology, 2019, 19, 1-27.	3.0	209
17	The formation of gullies on Mars today. Geological Society Special Publication, 2019, 467, 67-94.	1.3	45
18	6th international conference on Mars polar science and exploration: Conference summary and five top questions. Icarus, 2018, 308, 2-14.	2.5	17

#	Article	IF	Citations
19	Using satellite imagery to identify and analyze tumuli on Earth and Mars. Earth and Planetary Science Letters, 2018, 482, 52-61.	4.4	3
20	Our evolving understanding of aeolian bedforms, based on observation of dunes on different worlds. Aeolian Research, 2017, 26, 5-27.	2.7	33
21	Temperatures, thermal structure, and behavior of eruptions at Kilauea and Erta Ale volcanoes using a consumer digital camcorder. GeoResJ, 2015, 5, 47-56.	1.4	7
22	Agents of change on Marsâ€™ northern dunes: CO2 ice and wind. Icarus, 2015, 251, 264-274.	2.5	63
23	Long-term monitoring of martian gully formation and evolution with MRO/HiRISE. Icarus, 2015, 251, 244-263.	2.5	141
24	A new dry hypothesis for the formation of martian linear gullies. Icarus, 2013, 225, 526-537.	2.5	132
25	Mission to the Trojan asteroids: Lessons learned during a JPL Planetary Science Summer School mission design exercise. Planetary and Space Science, 2013, 76, 68-82.	1.7	1
26	The influence of temperatureâ€dependent viscosity on lava flow dynamics. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1516-1532.	2.8	16
27	Planet-wide sand motion on Mars. Geology, 2012, 40, 31-34.	4.4	136
28	Seasonal activity and morphological changes in martian gullies. Icarus, 2012, 220, 124-143.	2.5	195
29	Seasonal Erosion and Restoration of Marsâ€™ Northern Polar Dunes. Science, 2011, 331, 575-578.	12.6	205
30	Seasonality of present-day Martian dune-gully activity. Geology, 2010, 38, 1047-1050.	4.4	104
31	New and recent gully activity on Mars as seen by HiRISE. Geophysical Research Letters, 2010, 37, .	4.0	105
32	Long-time evolution of models of aeolian sand dune fields: Influence of dune formation and collision. Geomorphology, 2010, 121, 55-68.	2.6	43