

Michael M Sori

List of Publications by Year in descending order

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35
papers

1,004
citations

393982

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414034

32
g-index

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all docs

39
docs citations

39
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	A CO ₂ Cycle on Ariel? Radiolytic Production and Migration to Low-latitude Cold Traps. Planetary Science Journal, 2022, 3, 8.	1.5	9
2	Porosity Evolution in Metallic Asteroids: Implications for the Origin and Thermal History of Asteroid 16 Psyche. Journal of Geophysical Research E: Planets, 2022, 127, .	1.5	4
3	Concepts for the Future Exploration of Dwarf Planet Ceres [™] Habitability. Planetary Science Journal, 2022, 3, 41.	1.5	9
4	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
5	Orbital Forcing of Martian Climate Revealed in a South Polar Outlier Ice Deposit. Geophysical Research Letters, 2022, 49, .	1.5	6
6	The origin of mascons on Ceres as constrained by crater morphology. Icarus, 2022, , 115024.	1.1	0
7	The stability of a liquid-water body below the south polar cap of Mars. Icarus, 2022, 383, 115073.	1.1	3
8	Can Triton's Internal Heat Be Inferred From Its Ice Cap?. Geophysical Research Letters, 2021, 48, e2020GL090518.	1.5	5
9	Reexamining the Potential to Classify Lava Flows From the Fractality of Their Margins. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020949.	1.4	1
10	The Science Case for Spacecraft Exploration of the Uranian Satellites: Candidate Ocean Worlds in an Ice Giant System. Planetary Science Journal, 2021, 2, 120.	1.5	19
11	Lunar Megaregolith Structure Revealed by GRAIL Gravity Data. Geophysical Research Letters, 2021, 48, e2021GL095978.	1.5	6
12	Ferrovulcanism on metal worlds and the origin of pallasites. Nature Astronomy, 2020, 4, 41-44.	4.2	37
13	The varied sources of faculae-forming brines in Ceres [™] Occator crater emplaced via hydrothermal brine effusion. Nature Communications, 2020, 11, 3680.	5.8	41
14	Evidence of non-uniform crust of Ceres from Dawn [™] 's high-resolution gravity data. Nature Astronomy, 2020, 4, 748-755.	4.2	30
15	Landslide Morphology and Mobility on Ceres Controlled by Topography. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006640.	1.5	7
16	Lava [™] Rise Plateaus and Inflation Pits in the McCarty's Lava Flow Field, New Mexico: An Analog for Pahoehoe [™] -Like Lava Flows on Planetary Surfaces. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE005975.	1.5	15
17	Islands of ice on Mars and Pluto. Journal of Geophysical Research E: Planets, 2019, 124, 2522-2542.	1.5	7
18	Dome formation on Ceres by solid-state flow analogous to terrestrial salt tectonics. Nature Geoscience, 2019, 12, 797-801.	5.4	16

#	ARTICLE	IF	CITATIONS
19	Timescales of the Climate Record in the South Polar Ice Cap of Mars. <i>Geophysical Research Letters</i> , 2019, 46, 7268-7277.	1.5	26
20	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
21	Water on Mars, With a Grain of Salt: Local Heat Anomalies Are Required for Basal Melting of Ice at the South Pole Today. <i>Geophysical Research Letters</i> , 2019, 46, 1222-1231.	1.5	61
22	Isostatic Compensation of the Lunar Highlands. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 646-665.	1.5	10
23	A thin, dense crust for Mercury. <i>Earth and Planetary Science Letters</i> , 2018, 489, 92-99.	1.8	24
24	Cryovolcanic rates on Ceres revealed by topography. <i>Nature Astronomy</i> , 2018, 2, 946-950.	4.2	38
25	Episodes of Aqueous Flooding and Effusive Volcanism Associated With Hrad Vallis, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1484-1510.	1.5	26
26	Signals of astronomical climate forcing in the exposure topography of the North Polar Layered Deposits of Mars. <i>Geophysical Research Letters</i> , 2017, 44, 62-70.	1.5	36
27	The vanishing cryovolcanoes of Ceres. <i>Geophysical Research Letters</i> , 2017, 44, 1243-1250.	1.5	56
28	A Wunda-full world? Carbon dioxide ice deposits on Umbriel and other Uranian moons. <i>Icarus</i> , 2017, 290, 1-13.	1.1	28
29	Summary of the results from the lunar orbiter laser altimeter after seven years in lunar orbit. <i>Icarus</i> , 2017, 283, 70-91.	1.1	116
30	Stratigraphy of the north polar layered deposits of Mars from high-resolution topography. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1445-1471.	1.5	28
31	Viscous flow rates of icy topography on the north polar layered deposits of Mars. <i>Geophysical Research Letters</i> , 2016, 43, 541-549.	1.5	26
32	Gravitational search for cryptovolcanism on the Moon: Evidence for large volumes of early igneous activity. <i>Icarus</i> , 2016, 273, 284-295.	1.1	27
33	The fractured Moon: Production and saturation of porosity in the lunar highlands from impact cratering. <i>Geophysical Research Letters</i> , 2015, 42, 6939-6944.	1.5	63
34	Lunar impact basins revealed by Gravity Recovery and Interior Laboratory measurements. <i>Science Advances</i> , 2015, 1, e1500852.	4.7	173
35	A procedure for testing the significance of orbital tuning of the martian polar layered deposits. <i>Icarus</i> , 2014, 235, 136-146.	1.1	13