

Sebastian Emanuel Lauro

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

330
citations

1040056

9
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple subglacial water bodies below the south pole of Mars unveiled by new MARSIS data. <i>Nature Astronomy</i> , 2021, 5, 63-70.	10.1	127
2	Dielectric properties of Jovian satellite ice analogs for subsurface radar exploration: A review. <i>Reviews of Geophysics</i> , 2015, 53, 593-641.	23.0	52
3	A controlled experiment to investigate the correlation between early-time signal attributes of ground-coupled radar and soil dielectric properties. <i>Journal of Applied Geophysics</i> , 2014, 101, 68-76.	2.1	35
4	Analysis of GPR Early-Time Signal Features for the Evaluation of Soil Permittivity Through Numerical and Experimental Surveys. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 178-187.	4.9	24
5	Permittivity estimation of layers beneath the northern polar layered deposits, Mars. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	18
6	Estimation of subsurface dielectric target depth for GPR planetary exploration: Laboratory measurements and modeling. <i>Journal of Applied Geophysics</i> , 2013, 93, 93-100.	2.1	17
7	Assessing the role of clay and salts on the origin of MARSIS basal bright reflections. <i>Earth and Planetary Science Letters</i> , 2022, 579, 117370.	4.4	15
8	Dielectric characterization of ice/MgSO ₄ · nH ₂ O mixtures as Jovian icy moon crust analogues. <i>Earth and Planetary Science Letters</i> , 2016, 439, 11-17.	4.4	13
9	Regional stratigraphy of the south polar layered deposits (Promethei Lingula, Mars): "Discontinuity-bounded" units in images and radargrams. <i>Icarus</i> , 2018, 308, 76-107.	2.5	11
10	Coaxial-Cage Transmission Line for Electromagnetic Parameters Estimation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013, 62, 2938-2942.	4.7	8
11	Liquid Water Detection under the South Polar Layered Deposits of Mars "a Probabilistic Inversion Approach. <i>Remote Sensing</i> , 2019, 11, 2445.	4.0	7
12	"Unconformity-Bounded" Stratigraphic Units in the South Polar Layered Deposits (Promethei Lingula, Mars) Tj ETQq0.0 0 rgBT ₃ /Overlock	0.3	3