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List of Publications by Year in descending order

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27
papers

883
citations

623734

14
h-index

552781

26
g-index

36
all docs

36
docs citations

36
times ranked

1346
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Recent Measurements of Mercury's Moments of Inertia and Tides Using a Comprehensive Markov Chain Monte Carlo Method. <i>Planetary Science Journal</i> , 2022, 3, 37.	3.6	10
2	Geodetic investigations of the mission concept MAGIC to reveal Callisto's internal structure. <i>Acta Astronautica</i> , 2022, 195, 68-76.	3.2	5
3	Estimation of Crust and Lithospheric Properties for Mercury from High-resolution Gravity and Topography. <i>Planetary Science Journal</i> , 2022, 3, 145.	3.6	7
4	Constraining the Internal Structures of Venus and Mars from the Gravity Response to Atmospheric Loading. <i>Planetary Science Journal</i> , 2022, 3, 164.	3.6	6
5	Precise Orbit Determination Technique to Refine Spacecraft Mechanical Modeling. <i>Journal of Spacecraft and Rockets</i> , 2021, 58, 581-588.	1.9	6
6	Geodesy, Geophysics and Fundamental Physics Investigations of the BepiColombo Mission. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	25
7	Gravity, Geodesy and Fundamental Physics with BepiColombo's MORE Investigation. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	28
8	Determination of Venus's Interior Structure with EnVision. <i>Remote Sensing</i> , 2021, 13, 1624.	4.0	12
9	Deep-Space Navigation with Intersatellite Radio Tracking. <i>Journal of Guidance, Control, and Dynamics</i> , 2021, 44, 1068-1079.	2.8	6
10	A Technique for the Analysis of Radio Occultation Data to Retrieve Atmospheric Properties and Associated Uncertainties. <i>Radio Science</i> , 2021, 56, e2020RS007205.	1.6	5
11	Model-Based Slippage Estimation to Enhance Planetary Rover Localization with Wheel Odometry. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5490.	2.5	6
12	ORACLE: A mission concept to study Mars's climate, surface and interior. <i>Acta Astronautica</i> , 2020, 166, 317-329.	3.2	19
13	Mars's atmospheric calibration of radio tracking data for precise orbit determination. <i>Acta Astronautica</i> , 2020, 177, 103-110.	3.2	3
14	Report on First Inflight Data of BepiColombo's Mercury Orbiter Radio Science Experiment. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 4984-4988.	4.7	28
15	Joint Europa Mission (JEM): a multi-scale study of Europa to characterize its habitability and search for extant life. <i>Planetary and Space Science</i> , 2020, 193, 104960.	1.7	15
16	The contribution of a large baseline intersatellite link to relativistic metrology. , 2019, , .		1
17	Slurry extrusion on Ceres from a convective mud-bearing mantle. <i>Nature Geoscience</i> , 2019, 12, 505-509.	12.9	42
18	Geodetic Evidence That Mercury Has A Solid Inner Core. <i>Geophysical Research Letters</i> , 2019, 46, 3625-3633.	4.0	80

#	ARTICLE	IF	CITATIONS
19	Trilogy, a planetary geodesy mission concept for measuring the expansion of the solar system. <i>Planetary and Space Science</i> , 2018, 153, 127-133.	1.7	8
20	Solar system expansion and strong equivalence principle as seen by the NASA MESSENGER mission. <i>Nature Communications</i> , 2018, 9, 289.	12.8	81
21	Evidence for a low bulk crustal density for Mars from gravity and topography. <i>Geophysical Research Letters</i> , 2017, 44, 7686-7694.	4.0	82
22	Seasonal and static gravity field of Mars from MGS, Mars Odyssey and MRO radio science. <i>Icarus</i> , 2016, 272, 228-245.	2.5	172
23	Long-term variability of CO ₂ and O in the Mars upper atmosphere from MRO radio science data. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 849-868.	3.6	4
24	Simulated recovery of Europa's global shape and tidal Love numbers from altimetry and radio tracking during a dedicated flyby tour. <i>Geophysical Research Letters</i> , 2015, 42, 3166-3173.	4.0	17
25	Shape, topography, gravity anomalies and tidal deformation of Titan. <i>Icarus</i> , 2014, 236, 169-177.	2.5	88
26	The gravity field, orientation, and ephemeris of Mercury from MESSENGER observations after three years in orbit. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2417-2436.	3.6	110
27	Mercury's gravity field from the first six months of MESSENGER data. <i>Planetary and Space Science</i> , 2013, 81, 55-64.	1.7	15