Antonio Genova

List of Publications by Year
in descending order

27	883	623734 14	552781 26
papers	citations	h-index	g-index

36	36	36	1346
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seasonal and static gravity field of Mars from MGS, Mars Odyssey and MRO radio science. Icarus, 2016, 272, 228-245.	2.5	172
2	The gravity field, orientation, and ephemeris of Mercury from MESSENGER observations after three years in orbit. Journal of Geophysical Research E: Planets, 2014, 119, 2417-2436.	3.6	110
3	Shape, topography, gravity anomalies and tidal deformation of Titan. Icarus, 2014, 236, 169-177.	2.5	88
4	Evidence for a low bulk crustal density for Mars from gravity and topography. Geophysical Research Letters, 2017, 44, 7686-7694.	4.0	82
5	Solar system expansion and strong equivalence principle as seen by the NASA MESSENGER mission. Nature Communications, 2018, 9, 289.	12.8	81
6	Geodetic Evidence That Mercury Has A Solid Inner Core. Geophysical Research Letters, 2019, 46, 3625-3633.	4.0	80
7	Slurry extrusion on Ceres from a convective mud-bearing mantle. Nature Geoscience, 2019, 12, 505-509.	12.9	42
8	Report on First Inflight Data of BepiColombo's Mercury Orbiter Radio Science Experiment. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4984-4988.	4.7	28
9	Gravity, Geodesy and Fundamental Physics with BepiColomboâ€™s MORE Investigation. Space Science Reviews, 2021, 217, 1.	8.1	28
10	Geodesy, Geophysics and Fundamental Physics Investigations of the BepiColombo Mission. Space Science Reviews, 2021, 217, 1.	8.1	25
11	ORACLE: A mission concept to study Marsâ€™ climate, surface and interior. Acta Astronautica, 2020, 166, 317-329.	3.2	19
12	Simulated recovery of Europa's global shape and tidal Love numbers from altimetry and radio tracking during a dedicated flyby tour. Geophysical Research Letters, 2015, 42, 3166-3173.	4.0	17
13	Mercury's gravity field from the first six months of MESSENGER data. Planetary and Space Science, 2013, 81, 55-64.	1.7	15
14	Joint Europa Mission (JEM): a multi-scale study of Europa to characterize its habitability and search for extant life. Planetary and Space Science, 2020, 193, 104960.	1.7	15
15	Determination of Venusâ€™ Interior Structure with EnVision. Remote Sensing, 2021, 13, 1624.	4.0	12
16	Evaluation of Recent Measurements of Mercuryâ€™s Moments of Inertia and Tides Using a Comprehensive Markov Chain Monte Carlo Method. Planetary Science Journal, 2022, 3, 37.	3.6	10
17	Trilogy, a planetary geodesy mission concept for measuring the expansion of the solar system. Planetary and Space Science, 2018, 153, 127-133.	1.7	8
18	Estimation of Crust and Lithospheric Properties for Mercury from High-resolution Gravity and Topography. Planetary Science Journal, 2022, 3, 145.	3.6	7

#	Article	IF	Citations
19	Precise Orbit Determination Technique to Refine Spacecraft Mechanical Modeling. Journal of Spacecraft and Rockets, 2021, 58, 581-588.	1.9	6
20	Deep-Space Navigation with Intersatellite Radio Tracking. Journal of Guidance, Control, and Dynamics, 2021, 44, 1068-1079.	2.8	6
21	Model-Based Slippage Estimation to Enhance Planetary Rover Localization with Wheel Odometry. Applied Sciences (Switzerland), 2021, 11, 5490.	2.5	6
22	Constraining the Internal Structures of Venus and Mars from the Gravity Response to Atmospheric Loading. Planetary Science Journal, 2022, 3, 164.	3.6	6
23	A Technique for the Analysis of Radio Occultation Data to Retrieve Atmospheric Properties and Associated Uncertainties. Radio Science, 2021, 56, e2020RS007205.	1.6	5
24	Geodetic investigations of the mission concept MAGIC to reveal Callisto's internal structure. Acta Astronautica, 2022, 195, 68-76.	3.2	5
25	Long-term variability of CO₂and O in the Mars upper atmosphere from MRO radio science data. Journal of Geophysical Research E: Planets, 2015, 120, 849-868.	3.6	4
26	Marsâ€™ atmospheric calibration of radio tracking data for precise orbit determination. Acta Astronautica, 2020, 177, 103-110.	3.2	3
27	The contribution of a large baseline intersatellite link to relativistic metrology. , 2019, , .		1