Marie Yseboodt

List of Publications by Year
in descending order

27 papers	672 citations	516710 16 h-index	580821 25 g-index
35 all docs	35 docs citations	35 times ranked	568 citing authors

#	Article	IF	Citations
1	Mercury's moment of inertia from spin and gravity data. Journal of Geophysical Research, 2012, 117, .	3.3	98
2	Evolution of Mercury's obliquity. Icarus, 2006, 181, 327-337.	2.5	71
3	The Rotation and Interior Structure Experiment on the InSight Mission to Mars. Space Science Reviews, 2018, 214, 1.	8.1	64
4	The obliquity of Enceladus. Icarus, 2016, 268, 12-31.	2.5	52
5	Detection of the Chandler Wobble of Mars From Orbiting Spacecraft. Geophysical Research Letters, 2020, 47, e2020GL090568.	4.0	37
6	Obliquity of the Galilean satellites: The influence of a global internal liquid layer. Icarus, 2012, 220, 435-448.	2.5	33
7	Lander radioscience for obtaining the rotation and orientation of Mars. Planetary and Space Science, 2009, 57, 1050-1067.	1.7	32
8	The effect of tides and an inner core on the forced longitudinal libration of Mercury. Earth and Planetary Science Letters, 2012, 333-334, 83-90.	4.4	31
9	Long-period forcing of Mercury's libration in longitude. Icarus, 2007, 187, 365-373.	2.5	25
10	Resonant forcing of Mercury's libration in longitude. Icarus, 2009, 199, 1-8.	2.5	21
11	Analytical model of the long-period forced longitude librations of Mercury. Icarus, 2010, 207, 536-544.	2.5	21
12	The role of Mercuryâ€™s core density structure on its longitudinal librations. Icarus, 2013, 225, 62-74.	2.5	21
13	Analytical modeling of the Doppler tracking between a lander and a Mars orbiter in terms of rotational dynamics. Journal of Geophysical Research, 2003, 108, .	3.3	19
14	Revealing Marsâ€™ deep interior: Future geodesy missions using radio links between landers, orbiters, and the Earth. Planetary and Space Science, 2011, 59, 1069-1081.	1.7	18
15	Influence of an inner core on the long-period forced librations of Mercury. Icarus, 2013, 226, 41-51.	2.5	18
16	Obliquity of Mercury: Influence of the precession of the pericenter and of tides. Icarus, 2017, 291, 136-159.	2.5	18
17	The radioscience LaRa instrument onboard ExoMars 2020 to investigate the rotation and interior of mars. Planetary and Space Science, 2020, 180, 104776.	1.7	18
18	Atmospheric excitation of the Earth's nutation: Comparison of different atmospheric models. Journal of Geophysical Research, 2002, 107, ETG 2-1.	3.3	17

#	Article	IF	Citations
19	Mars precession rate determined from radiometric tracking of the InSight Lander. Planetary and Space Science, 2021, 199, 105208.	1.7	15
20	Signatures of the Martian rotation parameters in the Doppler and range observables. Planetary and Space Science, 2017, 144, 74-88.	1.7	11
21	The Librations, Tides, and Interior Structure of Io. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006473.	3.6	9
22	Mars rotation determination from a moving rover using Doppler tracking data: What could be done?. Planetary and Space Science, 2018, 159, 17-27.	1.7	7
23	The precession and nutations of a rigid Mars. Celestial Mechanics and Dynamical Astronomy, 2020, 132, 1.	1.4	6
24	LaRa after RISE: Expected improvement in the Mars rotation and interior models. Planetary and Space Science, 2020, 180, 104745.	1.7	5
25	High-frequency geophysical fluid modeling necessary to understand Earth rotation variability. Eos, 2001, 82, 237-237.	0.1	2
26	The long-period forced librations of Titan. Proceedings of the International Astronomical Union, 2014, 9, 25-28.	0.0	2
27	Analysis of the Residuals between Theoretical Nutations and VLBI Observations. Highlights of Astronomy, 2002, 12, 124-125.	0.0	1