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	Mars precession rate determined from radiometric tracking of the InSight Lander. Planetary and Space Science, 2021, 199, 105208.	1.7	15
2	LaRa after RISE: Expected improvement in the Mars rotation and interior models. Planetary and Space Science, 2020, 180, 104745.	1.7	5
3	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
4	Detection of the Chandler Wobble of Mars From Orbiting Spacecraft. Geophysical Research Letters, 2020, 47, e2020GL090568.	4.0	37
5	The precession and nutations of a rigid Mars. Celestial Mechanics and Dynamical Astronomy, 2020, 132, 1.	1.4	6
6	The Librations, Tides, and Interior Structure of Io. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006473.	3.6	9
7	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
8	The Rotation and Interior Structure Experiment on the InSight Mission to Mars. Space Science Reviews, 2018, 214, 1.	8.1	64
9	Obliquity of Mercury: Influence of the precession of the pericenter and of tides. Icarus, 2017, 291, 136-159.	2.5	18
10	Signatures of the Martian rotation parameters in the Doppler and range observables. Planetary and Space Science, 2017, 144, 74-88.	1.7	11
11	The obliquity of Enceladus. Icarus, 2016, 268, 12-31.	2.5	52
12	The long-period forced librations of Titan. Proceedings of the International Astronomical Union, 2014, 9, 25-28.	0.0	2
13	Influence of an inner core on the long-period forced librations of Mercury. Icarus, 2013, 226, 41-51.	2.5	18
14	The role of Mercuryâ€™s core density structure on its longitudinal librations. Icarus, 2013, 225, 62-74.	2.5	21
15	Mercury's moment of inertia from spin and gravity data. Journal of Geophysical Research, 2012, 117, .	3.3	98
16	Obliquity of the Galilean satellites: The influence of a global internal liquid layer. Icarus, 2012, 220, 435-448.	2.5	33
17	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
18	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

#	Article	IF	Citations
19	Analytical model of the long-period forced longitude librations of Mercury. Icarus, 2010, 207, 536-544.	2.5	21
20	Resonant forcing of Mercury's libration in longitude. Icarus, 2009, 199, 1-8.	2.5	21
21	Lander radioscience for obtaining the rotation and orientation of Mars. Planetary and Space Science, 2009, 57, 1050-1067.	1.7	32
22	Long-period forcing of Mercury's libration in longitude. Icarus, 2007, 187, 365-373.	2.5	25
23	Evolution of Mercury's obliquity. Icarus, 2006, 181, 327-337.	2.5	71
24	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
25	Analysis of the Residuals between Theoretical Nutations and VLBI Observations. Highlights of Astronomy, 2002, 12, 124-125.	0.0	1
26	Atmospheric excitation of the Earth's nutation: Comparison of different atmospheric models. Journal of Geophysical Research, 2002, 107, ETG 2-1.	3.3	17
27	High-frequency geophysical fluid modeling necessary to understand Earth rotation variability. Eos, 2001, 82, 237-237.	0.1	2