

Rose-Marie Baland

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

592
citations

759233

12
h-index

888059

17
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21
all docs

21
docs citations

21
times ranked

653
citing authors

#	ARTICLE	IF	CITATIONS
1	Enceladus's internal ocean and ice shell constrained from Cassini gravity, shape, and libration data. <i>Geophysical Research Letters</i> , 2016, 43, 5653-5660.	4.0	141
2	Titan's internal structure inferred from its gravity field, shape, and rotation state. <i>Icarus</i> , 2014, 237, 29-41.	2.5	69
3	On the librations and tides of large icy satellites. <i>Icarus</i> , 2013, 226, 299-315.	2.5	54
4	The obliquity of Enceladus. <i>Icarus</i> , 2016, 268, 12-31.	2.5	52
5	The effect of gravitational and pressure torques on Titan's length-of-day variations. <i>Icarus</i> , 2009, 200, 256-264.	2.5	44
6	The diurnal libration and interior structure of Enceladus. <i>Icarus</i> , 2016, 277, 311-318.	2.5	41
7	Detection of the Chandler Wobble of Mars From Orbiting Spacecraft. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090568.	4.0	37
8	Obliquity of the Galilean satellites: The influence of a global internal liquid layer. <i>Icarus</i> , 2012, 220, 435-448.	2.5	33
9	The effect of tides and an inner core on the forced longitudinal libration of Mercury. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 83-90.	4.4	31
10	Librations of the Galilean satellites: The influence of global internal liquid layers. <i>Icarus</i> , 2010, 209, 651-664.	2.5	28
11	Obliquity of Mercury: Influence of the precession of the pericenter and of tides. <i>Icarus</i> , 2017, 291, 136-159.	2.5	18
12	The radio science LaRa instrument onboard ExoMars 2020 to investigate the rotation and interior of Mars. <i>Planetary and Space Science</i> , 2020, 180, 104776.	1.7	18
13	The Librations, Tides, and Interior Structure of Io. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006473.	3.6	9
14	Modeling the polar motion of Titan. <i>Icarus</i> , 2016, 265, 1-28.	2.5	7
15	The precession and nutations of a rigid Mars. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2020, 132, 1.	1.4	6
16	Variations in rotation rate and polar motion of a non-hydrostatic Titan. <i>Icarus</i> , 2018, 307, 83-105.	2.5	3
17	Coupling between the spin precession and polar motion of a synchronously rotating satellite: application to Titan. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2019, 131, 1.	1.4	1