

M T Bland

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,739
citations

304701

22
h-index

265191

42
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all docs

45
docs citations

45
times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryovolcanism on Ceres. <i>Science</i> , 2016, 353, .	12.6	164
2	Cratering on Ceres: Implications for its crust and evolution. <i>Science</i> , 2016, 353, .	12.6	135
3	Composition and structure of the shallow subsurface of Ceres revealed by crater morphology. <i>Nature Geoscience</i> , 2016, 9, 538-542.	12.9	118
4	The interior structure of Ceres as revealed by surface topography. <i>Earth and Planetary Science Letters</i> , 2017, 476, 153-164.	4.4	117
5	The geomorphology of Ceres. <i>Science</i> , 2016, 353, .	12.6	109
6	Enceladus' extreme heat flux as revealed by its relaxed craters. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	85
7	The missing large impact craters on Ceres. <i>Nature Communications</i> , 2016, 7, 12257.	12.8	84
8	Geomorphological evidence for ground ice on dwarf planet Ceres. <i>Nature Geoscience</i> , 2017, 10, 338-343.	12.9	83
9	The orbital thermal evolution and global expansion of Ganymede. <i>Icarus</i> , 2009, 200, 207-221.	2.5	63
10	The vanishing cryovolcanoes of Ceres. <i>Geophysical Research Letters</i> , 2017, 44, 1243-1250.	4.0	56
11	Predicted crater morphologies on Ceres: Probing internal structure and evolution. <i>Icarus</i> , 2013, 226, 510-521.	2.5	50
12	Pitted terrains on (1) Ceres and implications for shallow subsurface volatile distribution. <i>Geophysical Research Letters</i> , 2017, 44, 6570-6578.	4.0	48
13	Unstable extension of Enceladus' lithosphere. <i>Icarus</i> , 2007, 192, 92-105.	2.5	47
14	Conditions for the Long-Term Preservation of a Deep Brine Reservoir in Ceres. <i>Geophysical Research Letters</i> , 2019, 46, 1963-1972.	4.0	46
15	Ceres: Astrobiological Target and Possible Ocean World. <i>Astrobiology</i> , 2020, 20, 269-291.	3.0	43
16	Bright carbonate surfaces on Ceres as remnants of salt-rich water fountains. <i>Icarus</i> , 2019, 320, 39-48.	2.5	42
17	The formation of Ganymede's grooved terrain: Numerical modeling of extensional necking instabilities. <i>Icarus</i> , 2007, 189, 439-456.	2.5	41
18	Cryovolcanic rates on Ceres revealed by topography. <i>Nature Astronomy</i> , 2018, 2, 946-950.	10.1	38

#	ARTICLE	IF	CITATIONS
19	A Global Inventory of Ice-Related Morphological Features on Dwarf Planet Ceres: Implications for the Evolution and Current State of the Cryosphere. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1650-1689.	3.6	33
20	Evidence for the Interior Evolution of Ceres from Geologic Analysis of Fractures. <i>Geophysical Research Letters</i> , 2017, 44, 9564-9572.	4.0	31
21	Constraining the heat flux between Enceladus's tiger stripes: Numerical modeling of funicular plains formation. <i>Icarus</i> , 2015, 260, 232-245.	2.5	27
22	Forming Ganymede's grooves at smaller strain: Toward a self-consistent local and global strain history for Ganymede. <i>Icarus</i> , 2015, 245, 247-262.	2.5	22
23	Viscous relaxation of Ganymede's impact craters: Constraints on heat flux. <i>Icarus</i> , 2017, 296, 275-288.	2.5	22
24	Ceres internal structure from geophysical constraints. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1999-2007.	1.6	19
25	The effects of strain localization on the formation of Ganymede's grooved terrain. <i>Icarus</i> , 2010, 210, 396-410.	2.5	18
26	Forming Europa's folds: Strain requirements for the production of large-amplitude deformation. <i>Icarus</i> , 2012, 221, 694-709.	2.5	17
27	Dome formation on Ceres by solid-state flow analogous to terrestrial salt tectonics. <i>Nature Geoscience</i> , 2019, 12, 797-801.	12.9	16
28	Landslides on Ceres: Inferences Into Ice Content and Layering in the Upper Crust. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1512-1524.	3.6	16
29	Morphological Indicators of a Mascon Beneath Ceres's Largest Crater, Kerwan. <i>Geophysical Research Letters</i> , 2018, 45, 1297-1304.	4.0	15
30	Landslides on Ceres: Diversity and Geologic Context. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3329-3343.	3.6	14
31	Compositional control on impact crater formation on mid-sized planetary bodies: Dawn at Ceres and Vesta, Cassini at Saturn. <i>Icarus</i> , 2021, 359, 114343.	2.5	14
32	A New Enceladus Global Control Network, Image Mosaic, and Updated Pointing Kernels From Cassini's 13-Year Mission. <i>Earth and Space Science</i> , 2018, 5, 604-621.	2.6	13
33	Floor-Fractured Craters on Ceres and Implications for Interior Processes. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3188-3204.	3.6	13
34	Relaxed impact craters on Ganymede: Regional variation and high heat flows. <i>Icarus</i> , 2018, 306, 214-224.	2.5	11
35	The formation of Enceladus' Tiger Stripe Fractures from eccentricity tides. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116389.	4.4	11
36	Improving the Usability of Galileo and Voyager Images of Jupiter's Moon Europa. <i>Earth and Space Science</i> , 2021, 8, .	2.6	11

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37	Concepts for the Future Exploration of Dwarf Planet Ceres [™] Habitability. Planetary Science Journal, 2022, 3, 41.	3.6	9
38	Does folding accommodate Europa's contractional strain? The effect of surface temperature on fold formation in ice lithospheres. Geophysical Research Letters, 2013, 40, 2534-2538.	4.0	7
39	Framework for the Development of Planetary Spatial Data Infrastructures: A Europa Case Study. Earth and Space Science, 2018, 5, 486-502.	2.6	7
40	Silicate Volcanism on Europa's Seafloor and Implications for Habitability. Geophysical Research Letters, 2022, 49, .	4.0	5
41	How Well Do We Know Europa [™] 's Topography? An Evaluation of the Variability in Digital Terrain Models of Europa. Remote Sensing, 2021, 13, 5097.	4.0	5
42	Viscous relaxation as a prerequisite for tectonic resurfacing on Ganymede: Insights from numerical models of lithospheric extension. Icarus, 2018, 306, 285-305.	2.5	4
43	Final Mimas and Enceladus atlases derived from Cassini-ISS images. Planetary and Space Science, 2018, 164, 13-18.	1.7	4
44	A GLOBAL SHAPE MODEL FOR SATURN [™] 'S MOON ENCELADUS FROM A DENSE PHOTOGRAMMETRIC CONTROL NETWORK. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-3-2020, 579-586.	0.0	4
45	Ceres [™] Broad [™] Scale Surface Geomorphology Largely Due To Asymmetric Internal Convection. AGU Advances, 2022, 3, .	5.4	2