

Cynthia B Phillips

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,432
citations

236925

25
h-index

526287

27
g-index

32
all docs

32
docs citations

32
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Does Europa have a subsurface ocean? Evaluation of the geological evidence. <i>Journal of Geophysical Research</i> , 1999, 104, 24015-24055.	3.3	363
2	Possible ecosystems and the search for life on Europa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 801-804.	7.1	237
3	The NASA Roadmap to Ocean Worlds. <i>Astrobiology</i> , 2019, 19, 1-27.	3.0	209
4	Europa as an abode of life. <i>Origins of Life and Evolution of Biospheres</i> , 2002, 32, 47-67.	1.9	144
5	Europa Clipper Mission Concept: Exploring Jupiter's Ocean Moon. <i>Eos</i> , 2014, 95, 165-167.	0.1	123
6	Thermal signature, eruption style, and eruption evolution at Pele and Pillan on Io. <i>Journal of Geophysical Research</i> , 2001, 106, 33079-33103.	3.3	121
7	Galileo at Io: Results from High-Resolution Imaging. <i>Science</i> , 2000, 288, 1193-1198.	12.6	120
8	Imaging of volcanic activity on Jupiter's moon Io by Galileo during the Galileo Europa Mission and the Galileo Millennium Mission. <i>Journal of Geophysical Research</i> , 2001, 106, 33025-33052.	3.3	118
9	Large Impact Features on Europa: Results of the Galileo Nominal Mission. <i>Icarus</i> , 1998, 135, 127-145.	2.5	110
10	Evolution of Lineaments on Europa: Clues from Galileo Multispectral Imaging Observations. <i>Icarus</i> , 1998, 135, 107-126.	2.5	104
11	Impact Features on Europa: Results of the Galileo Europa Mission (GEM). <i>Icarus</i> , 2001, 151, 93-111.	2.5	92
12	Surface changes on Io during the Galileo mission. <i>Icarus</i> , 2004, 169, 29-64.	2.5	81
13	Galileo Observations of Europa's Opposition Effect. <i>Icarus</i> , 1998, 135, 41-63.	2.5	69
14	Mountains on Io: High-resolution Galileo observations, initial interpretations, and formation models. <i>Journal of Geophysical Research</i> , 2001, 106, 33175-33199.	3.3	56
15	The final Galileo SSI observations of Io: orbits G28-I33. <i>Icarus</i> , 2004, 169, 3-28.	2.5	56
16	The search for current geologic activity on Europa. <i>Journal of Geophysical Research</i> , 2000, 105, 22579-22597.	3.3	54
17	Fluvial network analysis on Titan: Evidence for subsurface structures and west-to-east wind flow, southwestern Xanadu. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	51
18	Distribution of strike-slip faults on Europa. <i>Journal of Geophysical Research</i> , 2000, 105, 22617-22627.	3.3	47

#	ARTICLE	IF	CITATIONS
19	Science Goals and Mission Architecture of the Europa Lander Mission Concept. Planetary Science Journal, 2022, 3, 22.	3.6	42
20	The Control Networks of the Galilean Satellites and Implications for Global Shape. Icarus, 1998, 135, 372-376.	2.5	40
21	Mass movement within a slope streak on Mars. Geophysical Research Letters, 2007, 34, .	4.0	36
22	Galileo imaging of SO ₂ frosts on Io. Journal of Geophysical Research, 2001, 106, 33253-33266.	3.3	32
23	The Microstructural Evolution of Water Ice in the Solar System Through Sintering. Journal of Geophysical Research E: Planets, 2019, 124, 243-277.	3.6	30
24	Flexure on Dione: Investigating subsurface structure and thermal history. Icarus, 2013, 223, 418-422.	2.5	29
25	Multispectral Terrain Analysis of Europa from Galileo Images. Icarus, 1998, 135, 95-106.	2.5	28
26	A roadmap for planetary caves science and exploration. Nature Astronomy, 2021, 5, 524-525.	10.1	19
27	Enabling Onboard Detection of Events of Scientific Interest for the Europa Clipper Spacecraft. , 2019, , .		11
28	Impact gardening on Europa and repercussions for possible biosignatures. Nature Astronomy, 2021, 5, 951-956.	10.1	7
29	SPARROW: A Steam Propelled Autonomous Retrieval Robot for Ocean Worlds. , 2019, , .		2
30	Europa: Prospects for an Ocean and Life. , 2001, , 27-34.		1