

Laura Kerber

List of Publications by Year in descending order

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17
papers

1,407
citations

567281

15
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Flood Volcanism in the Northern High Latitudes of Mercury Revealed by MESSENGER. <i>Science</i> , 2011, 333, 1853-1856.	12.6	225
2	Comparison of "warm and wet" and "cold and icy" scenarios for early Mars in a 3-D climate model. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1201-1219.	3.6	153
3	Volcanism on Mercury: Evidence from the first MESSENGER flyby for extrusive and explosive activity and the volcanic origin of plains. <i>Earth and Planetary Science Letters</i> , 2009, 285, 227-242.	4.4	135
4	The age of the Medusae Fossae Formation: Evidence of Hesperian emplacement from crater morphology, stratigraphy, and ancient lava contacts. <i>Icarus</i> , 2010, 206, 669-684.	2.5	135
5	The dispersal of pyroclasts from Apollinaris Patera, Mars: Implications for the origin of the Medusae Fossae Formation. <i>Icarus</i> , 2011, 216, 212-220.	2.5	134
6	Explosive volcanic eruptions on Mercury: Eruption conditions, magma volatile content, and implications for interior volatile abundances. <i>Earth and Planetary Science Letters</i> , 2009, 285, 263-271.	4.4	128
7	The global distribution of pyroclastic deposits on Mercury: The view from MESSENGER flybys 1-3. <i>Planetary and Space Science</i> , 2011, 59, 1895-1909.	1.7	105
8	The dispersal of pyroclasts from ancient explosive volcanoes on Mars: Implications for the friable layered deposits. <i>Icarus</i> , 2012, 219, 358-381.	2.5	82
9	Global inventory and characterization of pyroclastic deposits on Mercury: New insights into pyroclastic activity from MESSENGER orbital data. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 635-658.	3.6	79
10	Evidence from MESSENGER for sulfur- and carbon-driven explosive volcanism on Mercury. <i>Geophysical Research Letters</i> , 2016, 43, 3653-3661.	4.0	57
11	Sulfur in the early martian atmosphere revisited: Experiments with a 3-D Global Climate Model. <i>Icarus</i> , 2015, 261, 133-148.	2.5	41
12	A progression of induration in Medusae Fossae Formation transverse aeolian ridges: evidence for ancient aeolian bedforms and extensive reworking. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 422-433.	2.5	39
13	Prolonged eruptive history of a compound volcano on Mercury: Volcanic and tectonic implications. <i>Earth and Planetary Science Letters</i> , 2014, 385, 59-67.	4.4	39
14	Polygonal ridge networks on Mars: Diversity of morphologies and the special case of the Eastern Medusae Fossae Formation. <i>Icarus</i> , 2017, 281, 200-219.	2.5	28
15	The effect of atmospheric pressure on the dispersal of pyroclasts from martian volcanoes. <i>Icarus</i> , 2013, 223, 149-156.	2.5	21
16	Extraterrestrial lava lakes. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 366, 74-95.	2.1	4
17	Irregular polygonal ridge networks in ancient Noachian terrain on Mars. <i>Icarus</i> , 2021, 374, 114833.	2.5	2