

Karen R Stockstill-Cahill

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,477
citations

516561

16
h-index

713332

21
g-index

21
all docs

21
docs citations

21
times ranked

1425
citing authors

#	ARTICLE	IF	CITATIONS
1	Radioactive Elements on Mercury's Surface from MESSENGER: Implications for the Planet's Formation and Evolution. <i>Science</i> , 2011, 333, 1850-1852.	6.0	233
2	Characterization and petrologic interpretation of olivine-rich basalts at Gusev Crater, Mars. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	227
3	Alkaline volcanic rocks from the Columbia Hills, Gusev crater, Mars. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	148
4	Major element abundances on the surface of Mercury: Results from the MESSENGER Gamma-Ray Spectrometer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	146
5	Chemical heterogeneity on Mercury's surface revealed by the MESSENGER X-Ray Spectrometer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	144
6	Variations in the abundances of potassium and thorium on the surface of Mercury: Results from the MESSENGER Gamma-Ray Spectrometer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
7	Enhanced sodium abundance in Mercury's north polar region revealed by the MESSENGER Gamma-Ray Spectrometer. <i>Icarus</i> , 2014, 228, 86-95.	1.1	85
8	Magnesium-rich crustal compositions on Mercury: Implications for magmatism from petrologic modeling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	83
9	THEMIS characterization of the MER Gusev crater landing site. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	52
10	Melt inclusions in augite of the Nakhla martian meteorite: Evidence for basaltic parental melt. <i>Meteoritics and Planetary Science</i> , 2005, 40, 377-396.	0.7	45
11	Mineralogical indicators of Mercury's hollows composition in MESSENGER color observations. <i>Geophysical Research Letters</i> , 2016, 43, 1450-1456.	1.5	42
12	3- μ m reflectance spectroscopy of carbonaceous chondrites under asteroid-like conditions. <i>Icarus</i> , 2019, 333, 243-251.	1.1	38
13	Unraveling the Zebra: Clues to the Iapetus Dark Material Composition. <i>Icarus</i> , 1996, 124, 262-267.	1.1	34
14	A study of low-albedo deposits within Amazonis Planitia craters: Evidence for locally derived ultramafic to mafic materials. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	32
15	Thermal Emission Spectrometer hyperspectral analyses of proposed paleolake basins on Mars: No evidence for in-place carbonates. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	18
16	Analysis of MESSENGER Gamma-Ray Spectrometer data from the Mercury flybys. <i>Planetary and Space Science</i> , 2011, 59, 1829-1841.	0.9	18
17	Radiative transfer modeling of near-infrared reflectance of lunar highland and mare soils. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
18	TES and THEMIS study of proposed paleolake basins within the Aeolis quadrangle of Mars. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	12

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19	Origin and emplacement of the andesite of Burroughs Mountain, a zoned, large-volume lava flow at Mount Rainier, Washington, USA. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 119, 275-296.	0.8	9
20	Spectra of the Wells lunar glass simulants: New old data for reflectance modeling. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 925-940.	1.5	8
21	Regional spectrophotometric properties of 951 Gaspra. <i>Icarus</i> , 2016, 280, 340-358.	1.1	3