

Virginia C Gulick

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

3,020
citations

567281

15
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

2164
citing authors

#	ARTICLE	IF	CITATIONS
1	Mars Reconnaissance Orbiter's High Resolution Imaging Science Experiment (HiRISE). Journal of Geophysical Research, 2007, 112, .	3.3	1,253
2	Seasonal Flows on Warm Martian Slopes. Science, 2011, 333, 740-743.	12.6	451
3	Origin and evolution of valleys on Martian volcanoes. Journal of Geophysical Research, 1990, 95, 14325-14344.	3.3	215
4	Magmatic intrusions and a hydrothermal origin for fluvial valleys on Mars. Journal of Geophysical Research, 1998, 103, 19365-19387.	3.3	186
5	Origin of the valley networks on Mars: a hydrological perspective. Geomorphology, 2001, 37, 241-268.	2.6	167
6	Fluvial valleys and martian palaeoclimates. Nature, 1989, 341, 514-516.	27.8	153
7	The High Resolution Imaging Science Experiment (HiRISE) during MRO's Primary Science Phase (PSP). Icarus, 2010, 205, 2-37.	2.5	153
8	Venusian Channels and Valleys: Distribution and Volcanological Implications. Icarus, 1993, 102, 1-25.	2.5	100
9	Fluvial geomorphology on Earth-like planetary surfaces: A review. Geomorphology, 2015, 245, 149-182.	2.6	70
10	Autonomous image analyses during the 1999 Marsokhod rover field test. Journal of Geophysical Research, 2001, 106, 7745-7763.	3.3	59
11	An automated mineral classifier using Raman spectra. Computers and Geosciences, 2013, 54, 259-268.	4.2	55
12	High Resolution Imaging Science Experiment (HiRISE) observations of glacial and periglacial morphologies in the circum-Argyre Planitia highlands, Mars. Journal of Geophysical Research, 2008, 113, .	3.3	34
13	Volcanism and Ice Interactions on Earth and Mars. , 2000, , 39-73.		30
14	Valley networks on Venus. Geomorphology, 2001, 37, 225-240.	2.6	26
15	Evidence for Middle Amazonian catastrophic flooding and glaciation on Mars. Icarus, 2014, 242, 202-210.	2.5	22
16	Paleolakes of Northeast Hellas: Precipitation, Groundwater-Fed, and Fluvial Lakes in the Navua's Hadriacus-Ausonia Region, Mars. Astrobiology, 2018, 18, 1435-1459.	3.0	15
17	Geomorphological analysis of gullies on the central peak of Lyot Crater, Mars. Geological Society Special Publication, 2019, 467, 233-265.	1.3	9
18	A Multilayer Perceptron for Obtaining Quick Parameter Estimations of Cool Exoplanets from Geometric Albedo Spectra. Publications of the Astronomical Society of the Pacific, 2020, 132, 044502.	3.1	6

#	ARTICLE	IF	CITATIONS
19	Surface Morphologies in a Mars-Analog Ca-Sulfate Salar, High Andes, Northern Chile. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 8, .	2.8	6
20	Plausibility of the “White Mars” hypothesis based upon the thermal nature of the Martian subsurface. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	5
21	Late Amazonian “Aged Channel and Island Systems Located East of Olympus Mons, Mars. , 2018, , 121-154.		5