P J Gasda

List of Publications by Year
in descending order

21	567	687363 13	794594 19
papers	citations	h-index	g-index

26	26	26	735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bedrock Geochemistry and Alteration History of the Clayâ€Bearing Glen Torridon Region of Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	17
2	An Insight Into Ancient Aeolian Processes and Postâ€Noachian Aqueous Alteration in Gale Crater, Mars, Using ChemCam Geochemical Data From the Greenheugh Capping Unit. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	11
3	Overview of the Morphology and Chemistry of Diagenetic Features in the Clayâ€Rich Glen Torridon Unit of Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	17
4	OrganiCam: a lightweight time-resolved laser-induced luminescence imager and Raman spectrometer for planetary organic material characterization. Applied Optics, 2021, 60, 3753.	1.8	3
5	Origin of Life on Mars: Suitability and Opportunities. Life, 2021, 11, 539.	2.4	18
6	Quantification of manganese for ChemCam Mars and laboratory spectra using a multivariate model. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 181, 106223.	2.9	16
7	Iron Mobility During Diagenesis at Vera Rubin Ridge, Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006299.	3.6	30
8	Boron and Lithium in Calcium Sulfate Veins: Tracking Precipitation of Diagenetic Materials in Vera Rubin Ridge, Gale Crater. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006301.	3.6	8
9	Mars Extant Life: What's Next? Conference Report. Astrobiology, 2020, 20, 785-814.	3.0	56
10	The Chemostratigraphy of the Murray Formation and Role of Diagenesis at Vera Rubin Ridge in Gale Crater, Mars, as Observed by the ChemCam Instrument. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006320.	3.6	41
11	Geochemical variation in the Stimson formation of Gale crater: Provenance, mineral sorting, and a comparison with modern Martian dunes. Icarus, 2020, 341, 113622.	2.5	31
12	Identification and Description of a Silicic Volcaniclastic Layer in Gale Crater, Mars, Using Active Neutron Interrogation. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006180.	3.6	16
13	The Effect of Boron on Active Neutron Measurements: Application for the Mars Science Laboratory Dynamic Albedo of Neutrons Instrument. , 2020, , .		0
14	Standoff Biofinder: powerful search for life instrument for planetary exploration. , 2018, , .		3
15	Diagenetic silica enrichment and lateâ€stage groundwater activity in Gale crater, Mars. Geophysical Research Letters, 2017, 44, 4716-4724.	4.0	87
16	In situ detection of boron by ChemCam on Mars. Geophysical Research Letters, 2017, 44, 8739-8748.	4.0	56
17	â€œStandoff Biofinderâ€•for Fast, Noncontact, Nondestructive, Large-Area Detection of Biological Materials for Planetary Exploration. Astrobiology, 2016, 16, 715-729.	3.0	12
18	Next Generation Laser-Based Standoff Spectroscopy Techniques for Mars Exploration. Applied Spectroscopy, 2015, 69, 173-192.	2.2	56

#	Article	IF	Citations
19	Modeling the Raman Spectrum of Graphitic Material in Rock Samples with Fluorescence Backgrounds: Accuracy of Fitting and Uncertainty Estimation. Applied Spectroscopy, 2014, 68, 1393-1406.	2.2	4
20	A series of cyanide-bridged binuclear complexes. Inorganica Chimica Acta, 2009, 362, 4553-4562.	2.4	9
21	Functionalization of Single-Walled Carbon Nanotubes with 1,4-Benzenediamine Using a Diazonium Reaction. Journal of Physical Chemistry C, 2008, 112, 738-740.	3.1	73