# 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 | Diagenetic silica enrichment and lateâ€stage groundwater activity in Gale crater, Mars. Geophysical Research Letters, 2017, 44, 4716-4724. | 4.0 | 87 |
| 2 | 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 |
| 3 | Next Generation Laser-Based Standoff Spectroscopy Techniques for Mars Exploration. Applied Spectroscopy, 2015, 69, 173-192. | 2.2 | 56 |
| 4 | In situ detection of boron by ChemCam on Mars. Geophysical Research Letters, 2017, 44, 8739-8748. | 4.0 | 56 |
| 5 | Mars Extant Life: What's Next? Conference Report. Astrobiology, 2020, 20, 785-814. | 3.0 | 56 |
| 6 | 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 |
| 7 | 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 |
| 8 | Iron Mobility During Diagenesis at Vera Rubin Ridge, Gale Crater, Mars. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006299. | 3.6 | 30 |
| 9 | Origin of Life on Mars: Suitability and Opportunities. Life, 2021, 11, 539. | 2.4 | 18 |
| 10 | 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 |
| 11 | 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 |
| 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 | 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 |
| 14 | â€œStandoff Biofinderâ€•for Fast, Noncontact, Nondestructive, Large-Area Detection of Biological Materials for Planetary Exploration. Astrobiology, 2016, 16, 715-729. | 3.0 | 12 |
| 15 | 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 |
| 16 | A series of cyanide-bridged binuclear complexes. Inorganica Chimica Acta, 2009, 362, 4553-4562. | 2.4 | 9 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Standoff Biofinder: powerful search for life instrument for planetary exploration. , 2018, , . | | 3 |
| 21 | The Effect of Boron on Active Neutron Measurements: Application for the Mars Science Laboratory Dynamic Albedo of Neutrons Instrument. , 2020, , . | | 0 |