

Giuseppe A Marzo

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,050
citations

471509

17
h-index

454955

30
g-index

34
all docs

34
docs citations

34
times ranked

1498
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | An improvement to the volcano-scan algorithm for atmospheric correction of CRISM and OMEGA spectral data. <i>Planetary and Space Science</i> , 2009, 57, 809-815. | 1.7 | 166 |
| 2 | Evidence for Hesperian impact-induced hydrothermalism on Mars. <i>Icarus</i> , 2010, 208, 667-683. | 2.5 | 127 |
| 3 | Mapping the methane on Mars. <i>Astronomy and Astrophysics</i> , 2010, 512, A51. | 5.1 | 114 |
| 4 | Noachian and more recent phyllosilicates in impact craters on Mars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12095-12100. | 7.1 | 73 |
| 5 | Near-infrared spectroscopic survey of B-type asteroids: Compositional analysis. <i>Icarus</i> , 2012, 218, 196-206. | 2.5 | 70 |
| 6 | Searching for evidence of hydrothermal activity at Apollinaris Mons, Mars. <i>Icarus</i> , 2012, 217, 297-314. | 2.5 | 64 |
| 7 | Phyllosilicate and sulfate-hematite deposits within Miyamoto crater in southern Sinus Meridiani, Mars. <i>Geophysical Research Letters</i> , 2008, 35, . | 4.0 | 63 |
| 8 | Inverted channel deposits on the floor of Miyamoto crater, Mars. <i>Icarus</i> , 2010, 205, 64-72. | 2.5 | 38 |
| 9 | Atmospheric transport and deposition of radionuclides released after the Fukushima Dai-chi accident and resulting effective dose. <i>Atmospheric Environment</i> , 2014, 94, 709-722. | 4.1 | 30 |
| 10 | Cluster analysis of planetary remote sensing spectral data. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 28 |
| 11 | Iapetus surface variability revealed from statistical clustering of a VIMS mosaic: The distribution of CO ₂ . <i>Icarus</i> , 2011, 215, 75-82. | 2.5 | 26 |
| 12 | Mercury Hollows as Remnants of Original Bedrock Materials and Devolatilization Processes: A Spectral Clustering and Geomorphological Analysis. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2365-2379. | 3.6 | 23 |
| 13 | Statistical exploration and volume reduction of planetary remote sensing spectral data. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 22 |
| 14 | Automated classification of visible and infrared spectra using cluster analysis. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 21 |
| 15 | A large sedimentary basin in the Terra Sirenum region of the southern highlands of Mars. <i>Icarus</i> , 2011, 212, 579-589. | 2.5 | 21 |
| 16 | A compositional interpretation of trans-neptunian objects taxonomies. <i>Icarus</i> , 2013, 222, 307-322. | 2.5 | 21 |
| 17 | Cytoplasmic incompatibility management to support Incompatible Insect Technique against <i>Aedes albopictus</i> . <i>Parasites and Vectors</i> , 2018, 11, 649. | 2.5 | 20 |
| 18 | Association of phyllosilicates and the inverted channel in Miyamoto crater, Mars. <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Study of terrestrial fossils in phyllosilicate-rich soils: Implication in the search for biosignatures on Mars. <i>Icarus</i> , 2010, 208, 202-206. | 2.5 | 16 |
| 20 | Phobos MRO/CRISM visible and near-infrared (0.5–2.5 μm) spectral modeling. <i>Planetary and Space Science</i> , 2018, 154, 63-71. | 1.7 | 13 |
| 21 | A comparison of different peak shapes for deconvolution of alpha-particle spectra. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 832, 191-201. | 1.6 | 12 |
| 22 | The optical constants of gypsum particles as analog of Martian sulfates. <i>Advances in Space Research</i> , 2004, 33, 2246-2251. | 2.6 | 11 |
| 23 | An inventory of potentially habitable environments on Mars: Geological and biological perspectives. , 2011, , . | | 11 |
| 24 | IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 740, 138-146. | 1.6 | 9 |
| 25 | Evaluation of carbonate abundance in putative martian paleolake basins. <i>Icarus</i> , 2009, 200, 426-435. | 2.5 | 8 |
| 26 | Optical constants of particulate minerals from reflectance measurements: The case of calcite. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2006, 100, 250-255. | 2.3 | 6 |
| 27 | MIMA, a miniaturized Fourier infrared spectrometer for Mars ground exploration: Part I. Concept and expected performance. , 2007, , . | | 5 |
| 28 | MIMA, a miniaturized Fourier spectrometer for Mars ground exploration: Part II. Optical design. <i>Proceedings of SPIE</i> , 2007, , . | 0.8 | 4 |
| 29 | On Potential Spectroscopic Detection of Microfossils on Mars. <i>Earth, Moon and Planets</i> , 2007, 101, 127-140. | 0.6 | 4 |
| 30 | Infrared reflectance spectra of particulate mixtures. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 3 |
| 31 | Measurements of spectral emissivity related to planetary missions. <i>Advances in Space Research</i> , 2002, 29, 789-795. | 2.6 | 1 |
| 32 | A comparison of performance between two cluster algorithms applied to mineral spectra. , 2009, , . | | 1 |
| 33 | Assessing spectral evidence of aqueous activity in two putative martian paleolakes. <i>Icarus</i> , 2011, 214, 240-245. | 2.5 | 1 |
| 34 | Non-destructive radiological characterization applied to fusion waste management. <i>Fusion Engineering and Design</i> , 2021, 173, 112805. | 1.9 | 0 |