Giuseppe A Marzo

List of Publications by Year
in descending order

34	1,050	471509 17	454955 30
papers	citations	h-index	g-index

34	34	34	1498
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-destructive radiological characterization applied to fusion waste management. Fusion Engineering and Design, 2021, 173, 112805.	1.9	0
2	Phobos MRO/CRISM visible and near-infrared (0.5â€“2.5â€Î¼m) spectral modeling. Planetary and Space Science, 2018, 154, 63-71.	1.7	13
3	Cytoplasmic incompatibility management to support Incompatible Insect Technique against Aedes albopictus. Parasites and Vectors, 2018, 11, 649.	2.5	20
4	Mercury Hollows as Remnants of Original Bedrock Materials and Devolatilization Processes: A Spectral Clustering and Geomorphological Analysis. Journal of Geophysical Research E: Planets, 2018, 123, 2365-2379.	3.6	23
5	A comparison of different peak shapes for deconvolution of alpha-particle spectra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 832, 191-201.	1.6	12
6	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 138-146.	1.6	9
7	Atmospheric transport and deposition of radionuclides released after the Fukushima Dai-chi accident and resulting effective dose. Atmospheric Environment, 2014, 94, 709-722.	4.1	30
8	A compositional interpretation of trans-neptunian objects taxonomies. Icarus, 2013, 222, 307-322.	2.5	21
9	Searching for evidence of hydrothermal activity at Apollinaris Mons, Mars. Icarus, 2012, 217, 297-314.	2.5	64
10	Near-infrared spectroscopic survey of B-type asteroids: Compositional analysis. Icarus, 2012, 218, 196-206.	2.5	70
11	Iapetus surface variability revealed from statistical clustering of a VIMS mosaic: The distribution of CO2. Icarus, 2011, 215, 75-82.	2.5	26
12	A large sedimentary basin in the Terra Sirenum region of the southern highlands of Mars. Icarus, 2011, 212, 579-589.	2.5	21
13	Assessing spectral evidence of aqueous activity in two putative martian paleolakes. Icarus, 2011, 214, 240-245.	2.5	1
14	An inventory of potentially habitable environments on Mars: Geological and biological perspectives. , 2011, , .		11
15	Mapping the methane on Mars. Astronomy and Astrophysics, 2010, 512, A51.	5.1	114
16	Study of terrestrial fossils in phyllosilicate-rich soils: Implication in the search for biosignatures on Mars. Icarus, 2010, 208, 202-206.	2.5	16
17	Evidence for Hesperian impact-induced hydrothermalism on Mars. Icarus, 2010, 208, 667-683.	2.5	127
18	Inverted channel deposits on the floor of Miyamoto crater, Mars. Icarus, 2010, 205, 64-72.	2.5	38

#	Article	IF	Citations
19	Noachian and more recent phyllosilicates in impact craters on Mars. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12095-12100.	7.1	73
20	Infrared reflectance spectra of particulate mixtures. Journal of Geophysical Research, 2010, 115, .	3.3	3
21	An improvement to the volcano-scan algorithm for atmospheric correction of CRISM and OMEGA spectral data. Planetary and Space Science, 2009, 57, 809-815.	1.7	166
22	Evaluation of carbonate abundance in putative martian paleolake basins. Icarus, 2009, 200, 426-435.	2.5	8
23	Association of phyllosilicates and the inverted channel in Miyamoto crater, Mars. Geophysical Research Letters, 2009, 36, .	4.0	18
24	A comparison of performance between two cluster algorithms applied to mineral spectra. , 2009, , .		1
25	Automated classification of visible and infrared spectra using cluster analysis. Journal of Geophysical Research, 2009, 114, .	3.3	21
26	Phyllosilicate and sulfateâ€hematite deposits within Miyamoto crater in southern Sinus Meridiani, Mars. Geophysical Research Letters, 2008, 35, .	4.0	63
27	Statistical exploration and volume reduction of planetary remote sensing spectral data. Journal of Geophysical Research, 2008, 113, .	3.3	22
28	MIMA, a miniaturized Fourier infrared spectrometer for Mars ground exploration: Part I. Concept and expected performance. , 2007, , .		5
29	MIMA, a miniaturized Fourier spectrometer for Mars ground exploration: Part II. Optical design. Proceedings of SPIE, 2007, , .	0.8	4
30	On Potential Spectroscopic Detection of Microfossils on Mars. Earth, Moon and Planets, 2007, 101, 127-140.	0.6	4
31	Cluster analysis of planetary remote sensing spectral data. Journal of Geophysical Research, 2006, 111, .	3.3	28
32	Optical constants of particulate minerals from reflectance measurements: The case of calcite. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 100, 250-255.	2.3	6
33	The optical constants of gypsum particles as analog of Martian sulfates. Advances in Space Research, 2004, 33, 2246-2251.	2.6	11
34	Measurements of spectral emissivity related to planetary missions. Advances in Space Research, 2002, 29, 789-795.	2.6	1