

Filippo Giacomo Carrozzo

List of Publications by Year in descending order

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Version: 2024-02-01

56
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58
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docs citations

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times ranked

1151
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical distribution of dust in the martian atmosphere: OMEGA/MEx limb observations. <i>Icarus</i> , 2022, 371, 114702.	2.5	6
2	Martian CO ₂ Ice Observation at High Spectral Resolution With ExoMars/TGO NOMAD. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	5
3	The surface of (4) Vesta in visible light as seen by Dawn/VIR. <i>Astronomy and Astrophysics</i> , 2021, 653, A118.	5.1	1
4	Thermal inertia of Occator's faculae on Ceres. <i>Planetary and Space Science</i> , 2021, 205, 105285.	1.7	0
5	Organic Material on Ceres: Insights from Visible and Infrared Space Observations. <i>Life</i> , 2021, 11, 9.	2.4	12
6	High Thermal Inertia Zones on Ceres From Dawn Data. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2018JE005733.	3.6	9
7	Fresh emplacement of hydrated sodium chloride on Ceres from ascending salty fluids. <i>Nature Astronomy</i> , 2020, 4, 786-793.	10.1	60
8	Ceres observed at low phase angles by VIR-Dawn. <i>Astronomy and Astrophysics</i> , 2020, 634, A39.	5.1	8
9	Correction of the VIR-visible dataset from the Dawn mission at Vesta. <i>Review of Scientific Instruments</i> , 2020, 91, 123102.	1.3	3
10	Spectral analysis of the Cerean geological unit crater central peak material as an indicator of subsurface mineral composition. <i>Icarus</i> , 2019, 318, 75-98.	2.5	6
11	The spectral parameter maps of Ceres from NASA/DAWN VIR data. <i>Icarus</i> , 2019, 318, 14-21.	2.5	9
12	The mineralogy of Ceres's™ Nawish quadrangle. <i>Icarus</i> , 2019, 318, 195-204.	2.5	1
13	Correction of the VIR-visible data set from the Dawn mission. <i>Review of Scientific Instruments</i> , 2019, 90, 123110.	1.3	9
14	Characteristics of organic matter on Ceres from VIR/Dawn high spatial resolution spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2407-2421.	4.4	30
15	Mineralogy mapping of the Ac-H-5 Fejokoo quadrangle of Ceres. <i>Icarus</i> , 2019, 318, 147-169.	2.5	1
16	Mineralogical analysis of the Ac-H-6 Haulani quadrangle of the dwarf planet Ceres. <i>Icarus</i> , 2019, 318, 170-187.	2.5	11
17	Ac-H-11 Sintana and Ac-H-12 Toharu quadrangles: Assessing the large and small scale heterogeneities of Ceres's™ surface. <i>Icarus</i> , 2019, 318, 230-240.	2.5	9
18	Mineralogical analysis of quadrangle Ac-H-10 Rongo on the dwarf planet Ceres. <i>Icarus</i> , 2019, 318, 212-229.	2.5	8

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19	Mineralogy of the Occator quadrangle. <i>Icarus</i> , 2019, 318, 205-211.	2.5	11
20	Compositional differences among Bright Spots on the Ceres surface. <i>Icarus</i> , 2019, 320, 202-212.	2.5	33
21	Spectral investigation of quadrangle AC-H 3 of the dwarf planet Ceres – The region of impact crater Dantu. <i>Icarus</i> , 2019, 318, 111-123.	2.5	5
22	Mineralogical mapping of the Kerwan quadrangle on Ceres. <i>Icarus</i> , 2019, 318, 188-194.	2.5	8
23	Ceres™ impact craters – Relationships between surface composition and geology. <i>Icarus</i> , 2019, 318, 56-74.	2.5	11
24	Mineralogy of the Urvara – Yalode region on Ceres. <i>Icarus</i> , 2019, 318, 241-250.	2.5	6
25	Photometry of Ceres and Occator faculae as inferred from VIR/Dawn data. <i>Icarus</i> , 2019, 320, 97-109.	2.5	17
26	Mineralogy of Occator crater on Ceres and insight into its evolution from the properties of carbonates, phyllosilicates, and chlorides. <i>Icarus</i> , 2019, 320, 83-96.	2.5	63
27	The surface composition of Ceres™ Ezinu quadrangle analyzed by the Dawn mission. <i>Icarus</i> , 2019, 318, 124-146.	2.5	6
28	Exposed H ₂ O-rich areas detected on Ceres with the dawn visible and infrared mapping spectrometer. <i>Icarus</i> , 2019, 318, 22-41.	2.5	47
29	Mineralogical mapping of Coniraya quadrangle of the dwarf planet Ceres. <i>Icarus</i> , 2019, 318, 99-110.	2.5	20
30	Mineralogy and temperature of crater Haulani on Ceres. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1902-1924.	1.6	21
31	Nature, formation, and distribution of carbonates on Ceres. <i>Science Advances</i> , 2018, 4, e1701645.	10.3	83
32	Variations in the amount of water ice on Ceres™ surface suggest a seasonal water cycle. <i>Science Advances</i> , 2018, 4, eaao3757.	10.3	43
33	Properties of a Martian local dust storm in Atlantis Chaos from OMEGA/MEX data. <i>Icarus</i> , 2018, 300, 1-11.	2.5	7
34	Continuum definition for $\lambda/4$ 3.1, $\lambda/4$ 3.4 and $\lambda/4$ 4.0 Å absorption bands in Ceres spectra and evaluation of effects of smoothing procedure in the retrieved spectral parameters. <i>Advances in Space Research</i> , 2018, 62, 2342-2354.	2.6	7
35	Dantu's mineralogical properties – A view into the composition of Ceres' crust. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1866-1883.	1.6	10
36	The geology of the Nawish quadrangle of Ceres: The rim of an ancient basin. <i>Icarus</i> , 2018, 316, 114-127.	2.5	6

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37	Ceres's global and localized mineralogical composition determined by Dawn's Visible and Infrared Spectrometer (<scp>VIR</scp>). <i>Meteoritics and Planetary Science</i> , 2018, 53, 1844-1865.	1.6	29
38	Localized aliphatic organic material on the surface of Ceres. <i>Science</i> , 2017, 355, 719-722.	12.6	152
39	An investigation of the bluish material on Ceres. <i>Geophysical Research Letters</i> , 2017, 44, 1660-1668.	4.0	29
40	Spectral analysis of Ahuna Mons from Dawn mission's visible&infrared spectrometer. <i>Geophysical Research Letters</i> , 2017, 44, 97-104.	4.0	74
41	Spectrophotometric properties of dwarf planet Ceres from the VIR spectrometer on board the Dawn mission. <i>Astronomy and Astrophysics</i> , 2017, 598, A130.	5.1	69
42	Geology and mineralogy of the Auki Crater, Tyrrhena Terra, Mars: A possible post impact-induced hydrothermal system. <i>Icarus</i> , 2017, 281, 228-239.	2.5	23
43	Artifacts reduction in VIR/Dawn data. <i>Review of Scientific Instruments</i> , 2016, 87, 124501.	1.3	44
44	Detection of local H ₂ O exposed at the surface of Ceres. <i>Science</i> , 2016, 353, .	12.6	128
45	Distribution of phyllosilicates on the surface of Ceres. <i>Science</i> , 2016, 353, .	12.6	159
46	Bright carbonate deposits as evidence of aqueous alteration on (1) Ceres. <i>Nature</i> , 2016, 536, 54-57.	27.8	240
47	MINERALOGICAL ANALYSIS OF THE QUADRANGLES AC-11 SINTANA AND AC-12 TOHARU ON THE DWARF PLANET CERES. , 2016, , .		1
48	MINERALOGICAL MAPPING OF THE OCCATOR QUADRANGLE. , 2016, , .		2
49	Ammoniated phyllosilicates with a likely outer Solar System origin on (1) Ceres. <i>Nature</i> , 2015, 528, 241-244.	27.8	276
50	Removal of atmospheric features in near infrared spectra by means of principal component analysis and target transformation on Mars: I. Method. <i>Icarus</i> , 2015, 253, 51-65.	2.5	13
51	Iron mineralogy of the martian surface with OMEGA spectrometer. , 2014, , .		0
52	Iron mineralogy of the surface of Mars from the 1 <i>Î¼</i>m band spectral properties. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
53	Oxygen airglow emission on Venus and Mars as seen by VIRTIS/VEX and OMEGA/MEX imaging spectrometers. <i>Planetary and Space Science</i> , 2011, 59, 981-987.	1.7	9
54	The spectrum of a Saturn ring spoke from Cassini/VIMS. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	6

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55	Mapping of water frost and ice at low latitudes on Mars. <i>Icarus</i> , 2009, 203, 406-420.	2.5	39
56	O ₂ 1.27 μ m emission maps as derived from OMEGA/MEx data. <i>Icarus</i> , 2009, 204, 499-511.	2.5	21