Federico Tosi

List of Publications by Year in descending order

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196 papers	7,437 citations	57681 46 h-index	75989 78 g-index
211 all docs	211 docs citations	211 times ranked	4338 citing authors

#	Article	IF	Citations
1	JUpiter ICy moons Explorer (JUICE): An ESA mission to orbit Ganymede and to characterise the Jupiter system. Planetary and Space Science, 2013, 78, 1-21.	0.9	455
2	The organic-rich surface of comet 67P/Churyumov-Gerasimenko as seen by VIRTIS/Rosetta. Science, 2015, 347, aaa0628.	6.0	293
3	Ammoniated phyllosilicates with a likely outer Solar System origin on (1) Ceres. Nature, 2015, 528, 241-244.	13.7	276
4	Spectroscopic Characterization of Mineralogy and Its Diversity Across Vesta. Science, 2012, 336, 697-700.	6.0	240
5	Bright carbonate deposits as evidence of aqueous alteration on (1) Ceres. Nature, 2016, 536, 54-57.	13.7	240
6	The diurnal cycle of water ice on comet 67P/Churyumovâ€“Gerasimenko. Nature, 2015, 525, 500-503.	13.7	199
7	Distribution of phyllosilicates on the surface of Ceres. Science, 2016, 353, .	6.0	159
8	Localized aliphatic organic material on the surface of Ceres. Science, 2017, 355, 719-722.	6.0	152
9	Dark material on Vesta from the infall of carbonaceous volatile-rich material. Nature, 2012, 491, 83-86.	13.7	151
10	Liquid-liquid phase separation drives skin barrier formation. Science, 2020, 367, .	6.0	141
11	Detection of local H ₂ O exposed at the surface of Ceres. Science, 2016, 353, .	6.0	128
12	Refractory and semi-volatile organics at the surface of comet 67P/Churyumov-Gerasimenko: Insights from the VIRTIS/Rosetta imaging spectrometer. Icarus, 2016, 272, 32-47.	1.1	127
13	DETECTION OF WIDESPREAD HYDRATED MATERIALS ON VESTA BY THE VIR IMAGING SPECTROMETER ON BOARD THE DAWN MISSION. Astrophysical Journal Letters, 2012, 758, L36.	3.0	117
14	Ammonium salts are a reservoir of nitrogen on a cometary nucleus and possibly on some asteroids. Science, 2020, 367, .	6.0	115
15	South-polar features on Venus similar to those near the north pole. Nature, 2007, 450, 637-640.	13.7	110
16	The Surface Composition and Temperature of Asteroid 21 Lutetia As Observed by Rosetta/VIRTIS. Science, 2011, 334, 492-494.	6.0	110
17	Exposed water ice on the nucleus of comet 67P/Churyumovâ€“Gerasimenko. Nature, 2016, 529, 368-372.	13.7	104
18	A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express. Nature, 2007, 450, 641-645.	13.7	95

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19	Pitted Terrain on Vesta and Implications for the Presence of Volatiles. Science, 2012, 338, 246-249.	6.0	91
20	JIRAM, the Jovian Infrared Auroral Mapper. Space Science Reviews, 2017, 213, 393-446.	3.7	91
21	Clusters of cyclones encircling Jupiterâ€™s poles. Nature, 2018, 555, 216-219.	13.7	90
22	Vesta's mineralogical composition as revealed by the visible and infrared spectrometer on Dawn. Meteoritics and Planetary Science, 2013, 48, 2166-2184.	0.7	87
23	Saturnâ€™s icy satellites and rings investigated by Cassiniâ€“VIMS: III â€“ Radial compositional variability. Icarus, 2012, 220, 1064-1096.	1.1	86
24	Composition of the Rheasilvia basin, a window into Vesta's interior. Journal of Geophysical Research E: Planets, 2013, 118, 335-346.	1.5	84
25	Nature, formation, and distribution of carbonates on Ceres. Science Advances, 2018, 4, e1701645.	4.7	83
26	Olivine in an unexpected location on Vestaâ€™s surface. Nature, 2013, 504, 122-125.	13.7	82
27	First observations of H₂O and CO₂vapor in comet 67P/Churyumov-Gerasimenko made by VIRTIS onboard Rosetta. Astronomy and Astrophysics, 2015, 583, A6.	2.1	77
28	Vestan lithologies mapped by the visual and infrared spectrometer on Dawn. Meteoritics and Planetary Science, 2013, 48, 2185-2198.	0.7	75
29	Spectral analysis of Ahuna Mons from Dawn mission's visibleâ€infrared spectrometer. Geophysical Research Letters, 2017, 44, 97-104.	1.5	74
30	Photometric properties of comet 67P/Churyumov-Gerasimenko from VIRTIS-M onboard Rosetta. Astronomy and Astrophysics, 2015, 583, A31.	2.1	71
31	Spectrophotometric properties of dwarf planet Ceres from the VIR spectrometer on board the Dawn mission. Astronomy and Astrophysics, 2017, 598, A130.	2.1	69
32	Detection of exposed H₂O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 595, A102.	2.1	67
33	Hapke modeling of Rhea surface properties through Cassini-VIMS spectra. Icarus, 2011, 214, 541-555.	1.1	64
34	Mineralogy of Occator crater on Ceres and insight into its evolution from the properties of carbonates, phyllosilicates, and chlorides. Icarus, 2019, 320, 83-96.	1.1	63
35	Saturn's icy satellites investigated by Cassini-VIMS. Icarus, 2007, 186, 259-290.	1.1	62
36	Seasonal exposure of carbon dioxide ice on the nucleus of comet 67P/Churyumov-Gerasimenko. Science, 2016, 354, 1563-1566.	6.0	61

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37	The Thermal, Mechanical, Structural, and Dielectric Properties of Cometary Nuclei After Rosetta. Space Science Reviews, 2019, 215, 1.	3.7	61
38	Fresh emplacement of hydrated sodium chloride on Ceres from ascending salty fluids. Nature Astronomy, 2020, 4, 786-793.	4.2	60
39	Surface composition of Hyperion. Nature, 2007, 448, 54-56.	13.7	56
40	The science case for an orbital mission to Uranus: Exploring the origins and evolution of ice giant planets. Planetary and Space Science, 2014, 104, 122-140.	0.9	56
41	The global surface composition of 67P/CG nucleus by Rosetta/VIRTIS. (I) Prelanding mission phase. Icarus, 2016, 274, 334-349.	1.1	54
42	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. Science, 2018, 361, 774-777.	6.0	53
43	Thermal measurements of dark and bright surface features on Vesta as derived from Dawn/VIR. Icarus, 2014, 240, 36-57.	1.1	52
44	Photometric behavior of spectral parameters in Vesta dark and bright regions as inferred by the Dawn VIR spectrometer. Icarus, 2014, 240, 20-35.	1.1	51
45	Cryogenic flow features on Ceres: Implications for craterâ€related cryovolcanism. Geophysical Research Letters, 2016, 43, 11,994.	1.5	48
46	Pitted terrains on (1) Ceres and implications for shallow subsurface volatile distribution. Geophysical Research Letters, 2017, 44, 6570-6578.	1.5	48
47	Saturnâ€™s icy satellites investigated by Cassiniâ€“VIMS. Icarus, 2010, 206, 507-523.	1.1	47
48	Interpretation of combined infrared, submillimeter, and millimeter thermal flux data obtained during the Rosetta fly-by of Asteroid (21) Lutetia. Icarus, 2012, 221, 395-404.	1.1	47
49	Exposed H2O-rich areas detected on Ceres with the dawn visible and infrared mapping spectrometer. Icarus, 2019, 318, 22-41.	1.1	47
50	Vesta surface thermal properties map. Geophysical Research Letters, 2014, 41, 1438-1443.	1.5	46
51	Artifacts reduction in VIR/Dawn data. Review of Scientific Instruments, 2016, 87, 124501.	0.6	44
52	Water and Volatiles in the Outer Solar System. Space Science Reviews, 2017, 212, 835-875.	3.7	44
53	Variations in the amount of water ice on Ceresâ€™ surface suggest a seasonal water cycle. Science Advances, 2018, 4, eaao3757.	4.7	43
54	Composition and mineralogy of dark material units on Vesta. Icarus, 2014, 240, 58-72.	1.1	41

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55	Infrared detection of aliphatic organics on a cometary nucleus. Nature Astronomy, 2020, 4, 500-505.	4.2	41
56	Ice Giant Systems: The scientific potential of orbital missions to Uranus and Neptune. Planetary and Space Science, 2020, 191, 105030.	0.9	39
57	LAPLACE: A mission to Europa and the Jupiter System for ESAâ€™s Cosmic Vision Programme. Experimental Astronomy, 2009, 23, 849-892.	1.6	38
58	Probing the origin of the dark material on Iapetus. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1113-1130.	1.6	38
59	Detection of new olivine-rich locations on Vesta. Icarus, 2015, 258, 120-134.	1.1	37
60	Geologic constraints on the origin of red organicâ€rich material on Ceres. Meteoritics and Planetary Science, 2018, 53, 1983-1998.	0.7	34
61	Titan as Revealed by the Cassini Radar. Space Science Reviews, 2019, 215, 1.	3.7	34
62	The changing temperature of the nucleus of comet 67P induced by morphological and seasonal effects. Nature Astronomy, 2019, 3, 649-658.	4.2	34
63	Detections and geologic context of local enrichments in olivine on Vesta with VIR/Dawn data. Journal of Geophysical Research E: Planets, 2014, 119, 2078-2108.	1.5	33
64	The unique geomorphology and physical properties of the Vestalia Terra plateau. Icarus, 2014, 244, 89-103.	1.1	33
65	Compositional differences among Bright Spots on the Ceres surface. Icarus, 2019, 320, 202-212.	1.1	33
66	Identification of spectral units on Phoebe. Icarus, 2008, 193, 233-251.	1.1	32
67	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. Geophysical Research Letters, 2017, 44, 5308-5316.	1.5	30
68	Thermal properties of the asteroid (2867) Steins as observed by VIRTIS/Rosetta. Astronomy and Astrophysics, 2011, 531, A168.	2.1	29
69	An investigation of the bluish material on Ceres. Geophysical Research Letters, 2017, 44, 1660-1668.	1.5	29
70	Ceres's global and localized mineralogical composition determined by Dawn's Visible and Infrared Spectrometer (<scp>VIR</scp>). Meteoritics and Planetary Science, 2018, 53, 1844-1865.	0.7	29
71	VIMS spectral mapping observations of Titan during the Cassini prime mission. Planetary and Space Science, 2009, 57, 1950-1962.	0.9	28
72	THE RADIAL DISTRIBUTION OF WATER ICE AND CHROMOPHORES ACROSS SATURN'S SYSTEM. Astrophysical Journal, 2013, 766, 76.	1.6	26

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73	The exploration of Titan with an orbiter and a lake probe. Planetary and Space Science, 2014, 104, 78-92.	0.9	26
74	Spectroscopic classification of icy satellites of Saturn II: Identification of terrain units on Rhea. Icarus, 2014, 234, 1-16.	1.1	26
75	Spectral analysis of the bright materials on the asteroid Vesta. Icarus, 2014, 240, 73-85.	1.1	26
76	Mapping Titan's surface features within the visible spectrum via Cassini VIMS. Planetary and Space Science, 2012, 60, 52-61.	0.9	25
77	Composition of the northern regions of Vesta analyzed by the Dawn mission. Icarus, 2015, 259, 53-71.	1.1	25
78	First Estimate of Wind Fields in the Jupiter Polar Regions From JIRAMâ€Juno Images. Journal of Geophysical Research E: Planets, 2018, 123, 1511-1524.	1.5	24
79	Twoâ€Year Observations of the Jupiter Polar Regions by JIRAM on Board Juno. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006098.	1.5	24
80	Laboratory simulations of the Vis-NIR spectra of comet 67P using sub-Âµm sized cosmochemical analogues. Icarus, 2018, 306, 306-318.	1.1	23
81	Infrared observations of Io from Juno. Icarus, 2020, 341, 113607.	1.1	23
82	Spectroscopic classification of icy satellites of Saturn I: Identification of terrain units on Dione. Icarus, 2013, 226, 1331-1349.	1.1	22
83	Deciphering sub-micron ice particles on Enceladus surface. Icarus, 2017, 290, 183-200.	1.1	22
84	How pristine is the interior of the comet 67P/Churyumovâ€“Gerasimenko?. Monthly Notices of the Royal Astronomical Society, 2017, 469, S685-S694.	1.6	22
85	A new perspective on the irregular satellites of Saturn - II. Dynamical and physical origin. Monthly Notices of the Royal Astronomical Society, 2009, 392, 455-474.	1.6	21
86	Reflectance properties and hydrated material distribution on Vesta: Global investigation of variations and their relationship using improved calibration of Dawn VIR mapping spectrometer. Icarus, 2015, 259, 21-38.	1.1	21
87	Mineralogy and temperature of crater Haulani on Ceres. Meteoritics and Planetary Science, 2018, 53, 1902-1924.	0.7	21
88	Iapetusâ€™ near surface thermal emission modeled and constrained using Cassini RADAR Radiometer microwave observations. Icarus, 2014, 241, 221-238.	1.1	20
89	Preliminary results on the composition of Jupiter's troposphere in hot spot regions from the JIRAM/Juno instrument. Geophysical Research Letters, 2017, 44, 4615-4624.	1.5	20
90	Preliminary JIRAM results from Juno polar observations: 2. Analysis of the Jupiter southern H₃⁺ emissions and comparison with the north aurora. Geophysical Research Letters, 2017, 44, 4633-4640.	1.5	20

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91	Summer outbursts in the coma of comet 67P/Churyumovâ€“Gerasimenko as observed by Rosettaâ€“VIRTIS. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1235-1250.	1.6	20
92	Mineralogical mapping of Coniraya quadrangle of the dwarf planet Ceres. Icarus, 2019, 318, 99-110.	1.1	20
93	Macro and micro structures of pebble-made cometary nuclei reconciled by seasonal evolution. Nature Astronomy, 2022, 6, 546-553.	4.2	20
94	Mineralogical and spectral analysis of Vestaâ€™s Gegania and Lucaria quadrangles and comparative analysis of their key features. Icarus, 2015, 259, 72-90.	1.1	19
95	The unique geomorphology and structural geology of the Haulani crater of dwarf planet Ceres as revealed by geological mapping of equatorial quadrangle Ac-6 Haulani. Icarus, 2018, 316, 84-98.	1.1	19
96	Impact heat driven volatile redistribution at Occator crater on Ceres as a comparative planetary process. Nature Communications, 2020, 11, 3679.	5.8	19
97	Preliminary JIRAM results from Juno polar observations: 1. Methodology and analysis applied to the Jovian northern polar region. Geophysical Research Letters, 2017, 44, 4625-4632.	1.5	18
98	NIR reflectance spectroscopy of hydrated and anhydrous sodium carbonates at different temperatures. Icarus, 2019, 317, 388-411.	1.1	18
99	Photometry of Ceres and Occator faculae as inferred from VIR/Dawn data. Icarus, 2019, 320, 97-109.	1.1	17
100	A tropical haze band in Titanâ€™s stratosphere. Icarus, 2010, 207, 485-490.	1.1	16
101	Temperature-dependent VNIR spectroscopy of hydrated Mg-sulfates. Icarus, 2017, 281, 444-458.	1.1	16
102	Photometric behaviour of 67P/Churyumovâ€“Gerasimenko and analysis of its pre-perihelion diurnal variations. Monthly Notices of the Royal Astronomical Society, 2017, 469, S346-S356.	1.6	16
103	Infrared Observations of Ganymede From the Jovian InfraRed Auroral Mapper on Juno. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006508.	1.5	16
104	Mineralogical analysis of the Oppia quadrangle of asteroid (4) Vesta: Evidence for occurrence of moderate-reflectance hydrated minerals. Icarus, 2015, 259, 129-149.	1.1	15
105	Characterization of the white ovals on Jupiter's southern hemisphere using the first data by the Juno/JIRAM instrument. Geophysical Research Letters, 2017, 44, 4660-4668.	1.5	15
106	Serendipitous infrared observations of Europa by Juno/JIRAM. Icarus, 2019, 328, 1-13.	1.1	15
107	Joint Europa Mission (JEM): a multi-scale study of Europa to characterize its habitability and search for extant life. Planetary and Space Science, 2020, 193, 104960.	0.9	15
108	Morphology of the Auroral Tail of Io, Europa, and Ganymede From JIRAM Lâ€Band Imager. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029450.	0.8	15

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109	The spectral parameter maps of Vesta from VIR data. Icarus, 2015, 259, 10-20.	1.1	14
110	Junoâ€™s Earth flyby: the Jovian infrared Auroral Mapper preliminary results. Astrophysics and Space Science, 2016, 361, 1.	0.5	14
111	Nature, distribution and origin of CO2 on Enceladus. Icarus, 2019, 317, 491-508.	1.1	14
112	On the Spatial Distribution of Minor Species in Jupiter's Troposphere as Inferred From Juno JIRAM Data. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006206.	1.5	14
113	Geologic mapping of ejecta deposits in Oppia Quadrangle, Asteroid (4) Vesta. Icarus, 2014, 244, 104-119.	1.1	13
114	The temporal evolution of exposed water ice-rich areas on the surface of 67P/Churyumov-Gerasimenko: spectral analysis. Monthly Notices of the Royal Astronomical Society, 0, , stw3281.	1.6	13
115	Preliminary JIRAM results from Juno polar observations: 3. Evidence of diffuse methane presence in the Jupiter auroral regions. Geophysical Research Letters, 2017, 44, 4641-4648.	1.5	13
116	Thermal Stability of Water Ice in Ceres' Craters: The Case of Juling Crater. Journal of Geophysical Research E: Planets, 2018, 123, 2445-2463.	1.5	13
117	The light curve of asteroid 21 Lutetia measured by VIRTIS-M during the Rosetta fly-by. Planetary and Space Science, 2012, 66, 9-22.	0.9	12
118	Small fresh impact craters on asteroid 4 Vesta: A compositional and geological fingerprint. Journal of Geophysical Research E: Planets, 2014, 119, 771-797.	1.5	12
119	Compositional evidence of magmatic activity on Vesta. Geophysical Research Letters, 2014, 41, 3038-3044.	1.5	12
120	Regions of interest on Ganymede's and Callisto's surfaces as potential targets for ESA's JUICE mission. Planetary and Space Science, 2021, 208, 105324.	0.9	12
121	Organic Material on Ceres: Insights from Visible and Infrared Space Observations. Life, 2021, 11, 9.	1.1	12
122	The light curve of asteroid 2867 Steins measured by VIRTIS-M during the Rosetta fly-by. Planetary and Space Science, 2010, 58, 1066-1076.	0.9	11
123	Comparative analysis of airglow emissions in terrestrial planets, observed with VIRTIS-M instruments on board Rosetta and Venus Express. Icarus, 2013, 226, 1115-1127.	1.1	11
124	Disk-resolved photometry of Vesta and Lutetia and comparison with other asteroids. Icarus, 2016, 267, 204-216.	1.1	11
125	H3+ characteristics in the Jupiter atmosphere as observed at limb with Juno/JIRAM. Icarus, 2019, 329, 132-139.	1.1	11
126	Mineralogical analysis of the Ac-H-6 Haulani quadrangle of the dwarf planet Ceres. Icarus, 2019, 318, 170-187.	1.1	11

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127	Mineralogy of the Occator quadrangle. Icarus, 2019, 318, 205-211.	1.1	11
128	Ceresâ€™ impact craters â€“ Relationships between surface composition and geology. Icarus, 2019, 318, 56-74.	1.1	11
129	Oscillations and Stability of the Jupiter Polar Cyclones. Geophysical Research Letters, 2021, 48, e2021GL094235.	1.5	11
130	Martian atmosphere as observed by VIRTISâ€M on Rosetta spacecraft. Journal of Geophysical Research, 2010, 115, .	3.3	10
131	Dielectric properties of Asteroid Vestaâ€™s surface as constrained by Dawn VIR observations. Icarus, 2015, 262, 93-101.	1.1	10
132	and seasonal variability. Monthly Notices of the Royal Astronomical Society, 0, , stw3177.	1.6	10
133	Dantu's mineralogical properties â€“ A view into the composition of Ceres' crust. Meteoritics and Planetary Science, 2018, 53, 1866-1883.	0.7	10
134	Spectral analysis of the quadrangles Av-13 and Av-14 on Vesta. Icarus, 2015, 259, 181-193.	1.1	9
135	Mineralogy of Marcia, the youngest large crater of Vesta: Character and distribution of pyroxenes and hydrated material. Icarus, 2015, 248, 392-406.	1.1	9
136	Lithologic variation within bright material on Vesta revealed by linear spectral unmixing. Icarus, 2016, 272, 16-31.	1.1	9
137	Optical space weathering on Vesta: Radiative-transfer models and Dawn observations. Icarus, 2016, 265, 161-174.	1.1	9
138	The spectral parameter maps of Ceres from NASA/DAWN VIR data. Icarus, 2019, 318, 14-21.	1.1	9
139	Correction of the VIR-visible data set from the Dawn mission. Review of Scientific Instruments, 2019, 90, 123110.	0.6	9
140	Ac-H-11 Sintana and Ac-H-12 Toharu quadrangles: Assessing the large and small scale heterogeneities of Ceresâ€™ surface. Icarus, 2019, 318, 230-240.	1.1	9
141	High Thermal Inertia Zones on Ceres From Dawn Data. Journal of Geophysical Research E: Planets, 2020, 125, e2018JE005733.	1.5	9
142	G-MODE CLASSIFICATION OF SPECTROSCOPIC DATA. Earth, Moon and Planets, 2006, 96, 165-197.	0.3	8
143	Correlations between VIMS and RADAR data over the surface of Titan: Implications for Titanâ€™s surface properties. Icarus, 2010, 208, 366-384.	1.1	8
144	Eucritic crust remnants and the effect of in-falling hydrous carbonaceous chondrites characterizing the composition of Vestaâ€™s Marcia region. Icarus, 2015, 259, 91-115.	1.1	8

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145	Compositional variations in the Vestan Rheasilvia basin. Icarus, 2015, 259, 194-202.	1.1	8
146	The Sextilia-region on Asteroid 4Vesta â€“ Stratigraphy and variegation. Icarus, 2015, 259, 162-180.	1.1	8
147	Daily variability of Ceresâ€™ albedo detected by means of radial velocities changes of the reflected sunlight. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 458, L54-L58.	1.2	8
148	Analysis of IR-bright regions of Jupiter in JIRAM-Juno data: Methods and validation of algorithms. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 200-209.	1.1	8
149	Analysis of night-side dust activity on comet 67P observed by VIRTIS-M: a new method to constrain the thermal inertia on the surface. Astronomy and Astrophysics, 2019, 630, A21.	2.1	8
150	67P/Churyumovâ€“Gerasimenko active areas before perihelion identified by GIADA and VIRTIS data fusion. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2165-2176.	1.6	8
151	Mineralogical analysis of quadrangle Ac-H-10 Rongo on the dwarf planet Ceres. Icarus, 2019, 318, 212-229.	1.1	8
152	Mineralogical mapping of the Kerwan quadrangle on Ceres. Icarus, 2019, 318, 188-194.	1.1	8
153	Turbulence Power Spectra in Regions Surrounding Jupiter's South Polar Cyclones From Juno/JIRAM. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006096.	1.5	8
154	Mapping Io's Surface Composition With Juno/JIRAM. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006522.	1.5	8
155	Ceres observed at low phase angles by VIR-Dawn. Astronomy and Astrophysics, 2020, 634, A39.	2.1	8
156	The surface of (1) Ceres in visible light as seen by Dawn/VIR. Astronomy and Astrophysics, 2020, 642, A74.	2.1	8
157	Terrestrial <scp>OH</scp> nightglow measurements during the <scp>Rosetta</scp> flyby. Geophysical Research Letters, 2015, 42, 5670-5677.	1.5	7
158	Temperature-dependent, VIS-NIR reflectance spectroscopy of sodium sulfates. Icarus, 2021, 357, 114165.	1.1	7
159	The spectrum of a Saturn ring spoke from Cassini/VIMS. Geophysical Research Letters, 2010, 37, .	1.5	6
160	Energetic neutral particles detection in the environment of Jupiterâ€™s icy moons: Ganymedeâ€™s and Europaâ€™s neutral imaging experiment (GENIE). Planetary and Space Science, 2013, 88, 53-63.	0.9	6
161	Analysis of Rosetta/VIRTIS spectra of earth using observations from ENVISAT/AATSR, TERRA/MODIS and ENVISAT/SCIAMACHY, and radiative-transfer simulations. Planetary and Space Science, 2014, 90, 37-59.	0.9	6
162	Separation of thermal inertia and roughness effects from Dawn/VIR measurements of Vesta surface temperatures in the vicinity of Marcia Crater. Icarus, 2015, 262, 30-43.	1.1	6

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163	Mineralogic mapping of the Av-9 Numisia quadrangle of Vesta. Icarus, 2015, 259, 116-128.	1.1	6
164	Spectral analysis of the Cerean geological unit crater central peak material as an indicator of subsurface mineral composition. Icarus, 2019, 318, 75-98.	1.1	6
165	Mineralogy of the Urvaraâ€“Yalode region on Ceres. Icarus, 2019, 318, 241-250.	1.1	6
166	The surface composition of Ceresâ€™ Ezinu quadrangle analyzed by the Dawn mission. Icarus, 2019, 318, 124-146.	1.1	6
167	Characterization of Mesoscale Waves in the Jupiter NEB by Jupiter InfraRed Auroral Mapper on board Juno. Astronomical Journal, 2018, 156, 246.	1.9	5
168	Spectral investigation of quadrangle AC-H 3 of the dwarf planet Ceres â€“ The region of impact crater Dantu. Icarus, 2019, 318, 111-123.	1.1	5
169	Juno/JIRAM: Planning and commanding activities. Advances in Space Research, 2020, 65, 598-615.	1.2	5
170	Preliminary estimation of the detection possibilities of Ganymedeâ€™s water vapor environment with MAJIS. Planetary and Space Science, 2020, 191, 105004.	0.9	5
171	On the clouds and ammonia in Jupiterâ€™s upper troposphere from Juno JIRAM reflectivity observations. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4892-4907.	1.6	5
172	GAUSS - genesis of asteroids and evolution of the solar system. Experimental Astronomy, 0, , 1.	1.6	5
173	Saturn Satellites as Seen by Cassini Mission. Earth, Moon and Planets, 2009, 105, 289-310.	0.3	4
174	Vestaâ€™s Pinaria region: Original basaltic achondrite material derived from mixing upper and lower crust. Icarus, 2015, 259, 150-161.	1.1	4
175	VIRTIS on Rosetta: a unique technique to observe comet 67P/Churyumov-Gerasimenko â€“ first results and prospects. Proceedings of SPIE, 2015, , .	0.8	4
176	Ice giant system exploration within ESAâ€™s Voyage 2050. Experimental Astronomy, 2022, 54, 1015-1025.	1.6	4
177	VIS-IR spectroscopy of magnesium chlorides at cryogenic temperatures. Icarus, 2022, 373, 114756.	1.1	4
178	Science Drivers for the Future Exploration of Ceres: From Solar System Evolution to Ocean World Science. Planetary Science Journal, 2022, 3, 64.	1.5	4
179	Ringâ€Mold Craters on Ceres: Evidence for Shallow Subsurface Water Ice Sources. Geophysical Research Letters, 2018, 45, 8121-8128.	1.5	3
180	VIRTIS: An Imaging Spectrometer for the ROSETTA Mission. , 2009, , 563-585.		3

#	Article	IF	Citations
181	Correction of the VIR-visible dataset from the Dawn mission at Vesta. Review of Scientific Instruments, 2020, 91, 123102.	0.6	3
182	On the origin of molecular oxygen on the surface of Ganymede. Icarus, 2022, 383, 115074.	1.1	3
183	Stability of the Jupiter Southern Polar Vortices Inspected Through Vorticity Using Juno/JIRAM Data. Journal of Geophysical Research E: Planets, 2022, 127, .	1.5	3
184	Scientific goals and technical challenges of the MAJIS imaging spectrometer for the JUICE mission. , 2019, , .		2
185	MINERALOGICAL MAPPING OF THE OCCATOR QUADRANGLE. , 2016, , .		2
186	The optical design of the MAJIS instrument on board of the JUICE mission. , 2018, , .		2
187	The mineralogy of Ceresâ€™ Nawish quadrangle. Icarus, 2019, 318, 195-204.	1.1	1
188	Mineralogy mapping of the Ac-H-5 Fejokoo quadrangle of Ceres. Icarus, 2019, 318, 147-169.	1.1	1
189	The surface of (4) Vesta in visible light as seen by Dawn/VIR. Astronomy and Astrophysics, 2021, 653, A118.	2.1	1
190	MINERALOGICAL ANALYSIS OF THE QUADRANGLES AC-11 SINTANA AND AC-12 TOHARU ON THE DWARF PLANET CERES. , 2016, , .		1
191	Thermal analysis of unusual local-scale features on the surface of Vesta. , 2013, , .		0
192	Spectroscopic classification of icy satellites of saturn â€" Identification of terrain units on dione and rhea. , 2014, , .		0
193	Testing linear spectral unmixing on laboratory mixtures: Application to VIR data for asteroid Vesta. , 2014, , .		0
194	The Advanced Optical and Thermomechanical Design of the JUICE/MAJIS Spectrometer. , 2018, , .		0
195	Thermal inertia of Occator's faculae on Ceres. Planetary and Space Science, 2021, 205, 105285.	0.9	0
196	Water and Volatiles in the Outer Solar System. Space Sciences Series of ISSI, 2017, , 191-231.	0.0	0