Gianrico Filacchione

List of Publications by Year
in descending order

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178	6,033	50276	88630
papers	citations	46 h-index	70 g-index

192	192	192	3262
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The organic-rich surface of comet 67P/Churyumov-Gerasimenko as seen by VIRTIS/Rosetta. Science, 2015, 347, aaa0628.	12.6	293
2	The VIR Spectrometer. Space Science Reviews, 2011, 163, 329-369.	8.1	217
3	The diurnal cycle of water ice on comet 67P/Churyumovâ€“Gerasimenko. Nature, 2015, 525, 500-503.	27.8	199
4	Virtis: An Imaging Spectrometer for the Rosetta Mission. Space Science Reviews, 2007, 128, 529-559.	8.1	181
5	The surface composition of Iapetus: Mapping results from Cassini VIMS. Icarus, 2012, 218, 831-860.	2.5	136
6	An Evolving View of Saturnâ€™s Dynamic Rings. Science, 2010, 327, 1470-1475.	12.6	127
7	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.	2.5	127
8	Ammonium salts are a reservoir of nitrogen on a cometary nucleus and possibly on some asteroids. Science, 2020, 367, .	12.6	115
9	A close look at Saturn's rings with Cassini VIMS. Icarus, 2008, 193, 182-212.	2.5	113
10	South-polar features on Venus similar to those near the north pole. Nature, 2007, 450, 637-640.	27.8	110
11	The Surface Composition and Temperature of Asteroid 21 Lutetia As Observed by Rosetta/VIRTIS. Science, 2011, 334, 492-494.	12.6	110
12	Exposed water ice on the nucleus of comet 67P/Churyumovâ€“Gerasimenko. Nature, 2016, 529, 368-372.	27.8	104
13	Synthesis of the morphological description of cometary dust at comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A24.	5.1	100
14	A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express. Nature, 2007, 450, 641-645.	27.8	95
15	JIRAM, the Jovian Infrared Auroral Mapper. Space Science Reviews, 2017, 213, 393-446.	8.1	91
16	Clusters of cyclones encircling Jupiterâ€™s poles. Nature, 2018, 555, 216-219.	27.8	90
17	Composition of Titan's surface from Cassini VIMS. Planetary and Space Science, 2006, 54, 1524-1539.	1.7	89
18	Three-dimensional direct simulation Monte-Carlo modeling of the coma of comet 67P/Churyumov-Gerasimenko observed by the VIRTIS and ROSINA instruments on board Rosetta. Astronomy and Astrophysics, 2016, 588, A134.	5.1	88

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19	Direct Simulation Monte Carlo modelling of the major species in the coma of comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S156-S169.	4.4	87
20	Hydrocarbons on Saturn's satellites Iapetus and Phoebe. Icarus, 2008, 193, 334-343.	2.5	86
21	Saturnâ€™s icy satellites and rings investigated by Cassiniâ€“VIMS: III â€“ Radial compositional variability. Icarus, 2012, 220, 1064-1096.	2.5	86
22	Carbon dioxide on the satellites of Saturn: Results from the Cassini VIMS investigation and revisions to the VIMS wavelength scale. Icarus, 2010, 206, 561-572.	2.5	78
23	First observations of H₂O and CO₂vapor in comet 67P/Churyumov-Gerasimenko made by VIRTIS onboard Rosetta. Astronomy and Astrophysics, 2015, 583, A6.	5.1	77
24	Evolution of CO₂, CH₄, and OCS abundances relative to H₂O in the coma of comet 67P around perihelion fromRosetta/VIRTIS-H observations. Monthly Notices of the Royal Astronomical Society, 2016, 462, S170-S183.	4.4	72
25	Photometric properties of comet 67P/Churyumov-Gerasimenko from VIRTIS-M onboard Rosetta. Astronomy and Astrophysics, 2015, 583, A31.	5.1	71
26	SIMBIO-SYS: The spectrometer and imagers integrated observatory system for the BepiColombo planetary orbiter. Planetary and Space Science, 2010, 58, 125-143.	1.7	70
27	Saturn's Titan: Surface change, ammonia, and implications for atmospheric and tectonic activity. Icarus, 2009, 199, 429-441.	2.5	69
28	Detection of exposed H₂O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 595, A102.	5.1	67
29	Distribution of icy particles across Enceladus' surface as derived from Cassini-VIMS measurements. Icarus, 2008, 193, 407-419.	2.5	64
30	Hapke modeling of Rhea surface properties through Cassini-VIMS spectra. Icarus, 2011, 214, 541-555.	2.5	64
31	Saturn's icy satellites investigated by Cassini-VIMS. Icarus, 2007, 186, 259-290.	2.5	62
32	Water and carbon dioxide distribution in the 67P/Churyumov-Gerasimenko coma from VIRTIS-M infrared observations. Astronomy and Astrophysics, 2016, 589, A45.	5.1	62
33	Cassini VIMS observations of the Galilean satellites including the VIMS calibration procedure. Icarus, 2004, 172, 104-126.	2.5	61
34	Investigation into the disparate origin of CO2 and H2O outgassing for Comet 67/P. Icarus, 2016, 277, 78-97.	2.5	61
35	Seasonal exposure of carbon dioxide ice on the nucleus of comet 67P/Churyumov-Gerasimenko. Science, 2016, 354, 1563-1566.	12.6	61
36	The Thermal, Mechanical, Structural, and Dielectric Properties of Cometary Nuclei After Rosetta. Space Science Reviews, 2019, 215, 1.	8.1	61

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37	Ring Particle Composition and Size Distribution. , 2009, , 459-509.		58
38	Surface composition of Hyperion. Nature, 2007, 448, 54-56.	27.8	56
39	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.	1.7	56
40	Comet 67P outbursts and quiescent coma at 1.3 au from the Sun: dust properties from Rosetta/VIRTIS-H observations. Monthly Notices of the Royal Astronomical Society, 2017, 469, S443-S458.	4.4	56
41	The global surface composition of 67P/CG nucleus by Rosetta/VIRTIS. (I) Prelanding mission phase. Icarus, 2016, 274, 334-349.	2.5	54
42	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. Science, 2018, 361, 774-777.	12.6	53
43	Observations with the Visual and Infrared Mapping Spectrometer (VIMS) during Cassini's flyby of Jupiter. Icarus, 2003, 164, 461-470.	2.5	48
44	Saturnâ€™s icy satellites investigated by Cassiniâ€“VIMS. Icarus, 2010, 206, 507-523.	2.5	47
45	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.	2.5	47
46	SIMBIO-SYS: Scientific Cameras and Spectrometer for the BepiColombo Mission. Space Science Reviews, 2020, 216, 1.	8.1	47
47	Rationale for BepiColombo Studies of Mercuryâ€™s Surface and Composition. Space Science Reviews, 2020, 216, 1.	8.1	46
48	On-ground characterization of Rosetta/VIRTIS-M. I. Spectral and geometrical calibrations. Review of Scientific Instruments, 2006, 77, 093109.	1.3	42
49	Thermal inertia and roughness of the nucleus of comet 67P/Churyumovâ€“Gerasimenko from MIRO and VIRTIS observations. Astronomy and Astrophysics, 2018, 616, A122.	5.1	42
50	Infrared detection of aliphatic organics on a cometary nucleus. Nature Astronomy, 2020, 4, 500-505.	10.1	41
51	Connections between spectra and structure in Saturnâ€™s main rings based on Cassini VIMS data. Icarus, 2013, 223, 105-130.	2.5	40
52	The Philae lander reveals low-strength primitive ice inside cometary boulders. Nature, 2020, 586, 697-701.	27.8	40
53	Photometric changes on Saturn's Titan: Evidence for active cryovolcanism. Geophysical Research Letters, 2009, 36, .	4.0	38
54	Probing the origin of the dark material on Iapetus. Monthly Notices of the Royal Astronomical Society, 2010, 403, 1113-1130.	4.4	38

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55	Spectral and mineralogical characterization of inner main-belt V-type asteroids. Astronomy and Astrophysics, 2011, 533, A77.	5.1	38
56	The Saturnian satellite Rhea as seen by Cassini VIMS. Planetary and Space Science, 2012, 61, 142-160.	1.7	38
57	An orbital water-ice cycle on comet 67P from colour changes. Nature, 2020, 578, 49-52.	27.8	36
58	Chromophores from photolyzed ammonia reacting with acetylene: Application to Jupiter's Great Red Spot. Icarus, 2016, 274, 106-115.	2.5	35
59	On-ground characterization of Rosetta/VIRTIS-M. II. Spatial and radiometric calibrations. Review of Scientific Instruments, 2006, 77, 103106.	1.3	34
60	The changing temperature of the nucleus of comet 67P induced by morphological and seasonal effects. Nature Astronomy, 2019, 3, 649-658.	10.1	34
61	Identification of spectral units on Phoebe. Icarus, 2008, 193, 233-251.	2.5	32
62	Comet 67P/CG Nucleus Composition and Comparison to Other Comets. Space Science Reviews, 2019, 215, 1.	8.1	32
63	The EChO science case. Experimental Astronomy, 2015, 40, 329-391.	3.7	31
64	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. Geophysical Research Letters, 2017, 44, 5308-5316.	4.0	30
65	CASSINI/VIMS-V at Jupiter: Radiometric calibration test and data results. Planetary and Space Science, 2004, 52, 661-670.	1.7	27
66	THE RADIAL DISTRIBUTION OF WATER ICE AND CHROMOPHORES ACROSS SATURN'S SYSTEM. Astrophysical Journal, 2013, 766, 76.	4.5	26
67	Spectroscopic classification of icy satellites of Saturn II: Identification of terrain units on Rhea. Icarus, 2014, 234, 1-16.	2.5	26
68	Mapping Titan's surface features within the visible spectrum via Cassini VIMS. Planetary and Space Science, 2012, 60, 52-61.	1.7	25
69	Icy Saturnian satellites: Disk-integrated UV-IR characteristics and links to exogenic processes. Icarus, 2018, 300, 103-114.	2.5	25
70	High-resolution CASSINI-VIMS mosaics of Titan and the icy Saturnian satellites. Planetary and Space Science, 2006, 54, 1146-1155.	1.7	24
71	Cassiniâ€“VIMS observations of Saturnâ€™s main rings: I. Spectral properties and temperature radial profiles variability with phase angle and elevation. Icarus, 2014, 241, 45-65.	2.5	24
72	First Estimate of Wind Fields in the Jupiter Polar Regions From JIRAMâ€Juno Images. Journal of Geophysical Research E: Planets, 2018, 123, 1511-1524.	3.6	24

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73	Close Cassini flybys of Saturnâ€™s ring moons Pan, Daphnis, Atlas, Pandora, and Epimetheus. Science, 2019, 364, .	12.6	24
74	Twoâ€Year Observations of the Jupiter Polar Regions by JIRAM on Board Juno. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006098.	3.6	24
75	Saturnâ€™s icy satellites investigated by Cassini-VIMS. IV. Daytime temperature maps. Icarus, 2016, 271, 292-313.	2.5	23
76	Laboratory simulations of the Vis-NIR spectra of comet 67P using sub-Âµm sized cosmochemical analogues. Icarus, 2018, 306, 306-318.	2.5	23
77	Infrared observations of Io from Juno. Icarus, 2020, 341, 113607.	2.5	23
78	Spectroscopic classification of icy satellites of Saturn I: Identification of terrain units on Dione. Icarus, 2013, 226, 1331-1349.	2.5	22
79	A test of Hapkeâ€™s model by means of Monte Carlo ray-tracing. Icarus, 2014, 237, 293-305.	2.5	22
80	How pristine is the interior of the comet 67P/Churyumovâ€“Gerasimenko?. Monthly Notices of the Royal Astronomical Society, 2017, 469, S685-S694.	4.4	22
81	Saturnâ€™s F ring grains: Aggregates made of crystalline water ice. Icarus, 2011, 215, 682-694.	2.5	20
82	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.	4.0	20
83	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.	4.0	20
84	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.	4.4	20
85	Kinetic Simulations of the Jovian Energetic Ion Circulation around Ganymede. Astrophysical Journal, 2020, 900, 74.	4.5	20
86	Macro and micro structures of pebble-made cometary nuclei reconciled by seasonal evolution. Nature Astronomy, 2022, 6, 546-553.	10.1	20
87	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.	4.0	18
88	JIRAM, the Image Spectrometer in the Near Infrared on Board the Juno Mission to Jupiter. Astrobiology, 2008, 8, 613-622.	3.0	17
89	Emitted power of Jupiter based on Cassini CIRS and VIMS observations. Journal of Geophysical Research, 2012, 117, .	3.3	17
90	Cassini-VIMS observations of Saturnâ€™s main rings: II. A spectrophotometric study by means of Monte Carlo ray-tracing and Hapkeâ€™s theory. Icarus, 2019, 317, 242-265.	2.5	17

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91	Close-range remote sensing of Saturnâ€™s rings during Cassiniâ€™s ring-grazing orbits and Grand Finale. Science, 2019, 364, .	12.6	17
92	VIRTIS-H observations of the dust coma of comet 67P/Churyumov-Gerasimenko: spectral properties and color temperature variability with phase and elevation. Astronomy and Astrophysics, 2019, 630, A22.	5.1	17
93	Cassini spectra and photometry 0.25â€“5.1 Î¼m of the small inner satellites of Saturn. Icarus, 2010, 206, 524-536.	2.5	16
94	Characterization of Titanâ€™s Ontario Lacus region from Cassini/VIMS observations. Icarus, 2010, 210, 823-831.	2.5	16
95	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.	4.4	16
96	Infrared Observations of Ganymede From the Jovian InfraRed Auroral Mapper on Juno. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006508.	3.6	16
97	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.	4.0	15
98	Serendipitous infrared observations of Europa by Juno/JIRAM. Icarus, 2019, 328, 1-13.	2.5	15
99	Morphology of the Auroral Tail of Io, Europa, and Ganymede From JIRAM Lâ€Band Imager. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029450.	2.4	15
100	VIS-NIR Imaging Spectroscopy of Mercury's Surface: SIMBIO-SYS/VIHI Experiment Onboard the BepiColombo Mission. IEEE Transactions on Geoscience and Remote Sensing, 2010, , .	6.3	14
101	Junoâ€™s Earth flyby: the Jovian infrared Auroral Mapper preliminary results. Astrophysics and Space Science, 2016, 361, 1.	1.4	14
102	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.	3.6	14
103	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.	4.4	13
104	Cassini's geological and compositional view of Tethys. Icarus, 2016, 274, 1-22.	2.5	13
105	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.	4.0	13
106	The light curve of asteroid 21 Lutetia measured by VIRTIS-M during the Rosetta fly-by. Planetary and Space Science, 2012, 66, 9-22.	1.7	12
107	Rosetta Alice/VIRTIS observations of the water vapour UV electroglow emissions around comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S416-S426.	4.4	12
108	Cometary coma dust size distribution from in situ IR spectra. Monthly Notices of the Royal Astronomical Society, 2017, 469, S598-S605.	4.4	12

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109	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.	1.7	12
110	Hydroxylated Mg-rich Amorphous Silicates: A New Component of the 3.2 Î¼m Absorption Band of Comet 67P/Churyumovâ€“Gerasimenko. Astrophysical Journal Letters, 2020, 897, L37.	8.3	12
111	The light curve of asteroid 2867 Steins measured by VIRTIS-M during the Rosetta fly-by. Planetary and Space Science, 2010, 58, 1066-1076.	1.7	11
112	Comparative analysis of airglow emissions in terrestrial planets, observed with VIRTIS-M instruments on board Rosetta and Venus Express. Icarus, 2013, 226, 1115-1127.	2.5	11
113	Disk-resolved photometry of Vesta and Lutetia and comparison with other asteroids. Icarus, 2016, 267, 204-216.	2.5	11
114	Oscillations and Stability of the Jupiter Polar Cyclones. Geophysical Research Letters, 2021, 48, e2021GL094235.	4.0	11
115	Martian atmosphere as observed by VIRTISâ€M on Rosetta spacecraft. Journal of Geophysical Research, 2010, 115, .	3.3	10
116	and seasonal variability. Monthly Notices of the Royal Astronomical Society, 0, , stw3177.	4.4	10
117	The pre-launch characterization of SIMBIO-SYS/VIHI imaging spectrometer for the BepiColombo mission to Mercury. I. Linearity, radiometry, and geometry calibrations. Review of Scientific Instruments, 2017, 88, 094502.	1.3	10
118	The Rings of Saturn. , 0, , 51-92.		10
119	Diurnal variation of dust and gas production in comet 67P/Churyumov-Gerasimenko at the inbound equinox as seen by OSIRIS and VIRTIS-M on board Rosetta. Astronomy and Astrophysics, 2019, 630, A23.	5.1	9
120	G-MODE CLASSIFICATION OF SPECTROSCOPIC DATA. Earth, Moon and Planets, 2006, 96, 165-197.	0.6	8
121	Correlations between VIMS and RADAR data over the surface of Titan: Implications for Titanâ€™s surface properties. Icarus, 2010, 208, 366-384.	2.5	8
122	Analysis of the dust jet imaged byRosettaVIRTIS-M in the coma of comet 67P/Churyumovâ€“Gerasimenko on 2015 April 12. Monthly Notices of the Royal Astronomical Society, 2016, 462, S370-S375.	4.4	8
123	The pre-launch characterization of SIMBIO-SYS/VIHI imaging spectrometer for the BepiColombo mission to Mercury. II. Spectral calibrations. Review of Scientific Instruments, 2017, 88, 094503.	1.3	8
124	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.	2.3	8
125	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.	5.1	8
126	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.	4.4	8

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127	Mapping Io's Surface Composition With Juno/JIRAM. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006522.	3.6	8
128	Cassini-VIMS at Jupiter: solar occultation measurements using Io. Icarus, 2003, 166, 75-84.	2.5	7
129	Terrestrial <scp>OH</scp> nightglow measurements during the <scp>Rosetta</scp> flyby. Geophysical Research Letters, 2015, 42, 5670-5677.	4.0	7
130	Clouds and hazes vertical structure of a Saturn's giant vortex from Cassini/VIMS-V data analysis. Icarus, 2016, 278, 215-237.	2.5	7
131	Photometric Modeling and VISâ€IR Albedo Maps of Dione From Cassiniâ€VIMS. Geophysical Research Letters, 2018, 45, 2184-2192.	4.0	7
132	Bayesian analysis of Juno/JIRAM's NIR observations of Europa. Icarus, 2021, 357, 114215.	2.5	7
133	A Mercury surface radiometric model for SIMBIO-SYS instrument suite on board of BepiColombo mission. , 2018, , .		7
134	Calibration of Hyperspectral Imaging Data: VIRTIS-M Onboard Venus Express. IEEE Transactions on Geoscience and Remote Sensing, 2010, , .	6.3	6
135	The spectrum of a Saturn ring spoke from Cassini/VIMS. Geophysical Research Letters, 2010, 37, .	4.0	6
136	Characterization of the integrating sphere for the on-ground calibration of the SIMBIOSYS instrument for the BepiColombo ESA mission. Proceedings of SPIE, 2014, , .	0.8	6
137	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.	1.7	6
138	FAINT LUMINESCENT RING OVER SATURNâ€™S POLAR HEXAGON. Astrophysical Journal Letters, 2015, 808, L16.	8.3	6
139	Photometric Modeling and VISâ€IR Albedo Maps of Tethys From Cassiniâ€VIMS. Geophysical Research Letters, 2018, 45, 6400-6407.	4.0	6
140	Pre-launch calibrations of the Vis-IR Hyperspectral Imager (VIHI) onboard BepiColombo, the ESA mission to Mercury. Proceedings of SPIE, 2013, , .	0.8	5
141	Climatology of CH4, HCN and C2H2 in Titan's upper atmosphere from Cassini/VIMS observations. Icarus, 2019, 331, 83-97.	2.5	5
142	Juno/JIRAM: Planning and commanding activities. Advances in Space Research, 2020, 65, 598-615.	2.6	5
143	Preliminary estimation of the detection possibilities of Ganymedeâ€™s water vapor environment with MAJIS. Planetary and Space Science, 2020, 191, 105004.	1.7	5
144	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.	4.4	5

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145	Principal components analysis of Jupiter VIMS spectra. Advances in Space Research, 2004, 34, 1640-1646.	2.6	4
146	Saturn Satellites as Seen by Cassini Mission. Earth, Moon and Planets, 2009, 105, 289-310.	0.6	4
147	VIRTIS on Rosetta: a unique technique to observe comet 67P/Churyumov-Gerasimenko â€“ first results and prospects. Proceedings of SPIE, 2015, , .	0.8	4
148	AMBITION â€“ comet nucleus cryogenic sample return. Experimental Astronomy, 2022, 54, 1077-1128.	3.7	4
149	Virtis Experiment at Churyumov â€” Gerasimenko Comet, New Rosetta Target. Astrophysics and Space Science Library, 2004, , 223-236.	2.7	4
150	The VIR Spectrometer. , 2010, , 329-369.		4
151	JIRAM, the Jovian Infrared Auroral Mapper. , 2014, , 271-324.		4
152	VIS-IR Spectroscopy of Mixtures of Water Ice, Organic Matter, and Opaque Mineral in Support of Small Body Remote Sensing Observations. Minerals (Basel, Switzerland), 2021, 11, 1222.	2.0	4
153	Calibration pipeline of VIS-NIR imaging spectrometers for planetary exploration: The rosetta VIRTIS-M case. , 2009, , .		3
154	Photometric modelling and VIS-IR albedo maps of Rhea from Cassini-VIMS. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 499, L62-L66.	3.3	3
155	Temporal evolution of the permanent shadowed regions at Mercury poles: applications for spectral detection of ices by SIMBIOSYS-VIHI on BepiColombo mission. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1308-1318.	4.4	3
156	VIRTIS: An Imaging Spectrometer for the ROSETTA Mission. , 2009, , 563-585.		3
157	Saturnâ€™s icy satellites investigated by Cassini - VIMS. V. Spectrophotometry. Icarus, 2022, 375, 114803.	2.5	3
158	Water ortho-to-para ratio in the coma of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2022, 663, A43.	5.1	3
159	Stability of the Jupiter Southern Polar Vortices Inspected Through Vorticity Using Juno/JIRAM Data. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	3
160	TITANâ€™S GROUND REFLECTANCE RETRIEVAL FROM CASSINI-VIMS DATA TAKEN DURING THE JULY 2ND, 2004 FLY-BY AT 2 AM UT. Earth, Moon and Planets, 2006, 96, 109-117.	0.6	2
161	The visible and near infrared (VNIR) spectrometer of EChO. , 2012, , .		2
162	Properties of the dust in the coma of 67P/Churyumov-Gerasimenko observed with VIRTIS- M. Monthly Notices of the Royal Astronomical Society, 2016, , stw3197.	4.4	2

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163	Scientific goals and technical challenges of the MAJIS imaging spectrometer for the JUICE mission. , 2019, , .		2
164	The optical design of the MAJIS instrument on board of the JUICE mission. , 2018, , .		2
165	The Measurement of the Noise-Equivalent Spectral Radiance of SIMBIO-SYS/VIHI Spectrometer. , 2018, , .		1
166	Spectral Analyses of Saturnâ€™s Moons Using theCassiniVisual Infrared Mapping Spectrometer. , 2019, , 428-441.		1
167	Development of a simulator of the SIMBIOSYS suite onboard the BepiColombo mission. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1673-1689.	4.4	1
168	Saturn System. , 2021, , 123-132.		1
169	SIMBIO-SYS Near Earth Commissioning Phase: a step forward toward Mercury. , 2019, , .		1
170	VISPO project: visible image-spectrometer for planetary observations. New Astronomy, 2004, 9, 635-640.	1.8	0
171	VIS-NIR imaging spectroscopy of the Mercury's surface: SIMBIO-SYS/VIHI experiment onboard the Bepi Colombo mission. , 2009, , .		0
172	An improved version of the Visible and Near Infrared (VNIR) spectrometer of EChO. Proceedings of SPIE, 2014, , .	0.8	0
173	Preparing EChO space mission: laboratory simulation of planetary atmospheres. , 2014, , .		0
174	Spectroscopic classification of icy satellites of saturn â€" Identification of terrain units on dione and rhea. , 2014, , .		0
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