

Vania Da Deppo

List of Publications by Year in descending order

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194
papers

7,667
citations

53794

45
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56724

83
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all docs

198
docs citations

198
times ranked

3175
citing authors

#	ARTICLE	IF	CITATIONS
1	Qualification of the thermal stabilization, polishing and coating procedures for the aluminum telescope mirrors of the ARIEL mission. <i>Experimental Astronomy</i> , 2022, 53, 885-904.	3.7	3
2	Telecentric F-theta fisheye lens for space applications. <i>OSA Continuum</i> , 2021, 4, 783.	1.8	6
3	High sensitivity static Fourier transform spectrometer. <i>Optics Express</i> , 2021, 29, 15906.	3.4	5
4	Exploring the Solar Wind from Its Source on the Corona into the Inner Heliosphere during the First Solar Orbiter's Parker Solar Probe Quadrature. <i>Astrophysical Journal Letters</i> , 2021, 920, L14.	8.3	25
5	Optical design of the multi-wavelength imaging coronagraph Metis for the solar orbiter mission. <i>Experimental Astronomy</i> , 2020, 49, 239-263.	3.7	30
6	Metis: the Solar Orbiter visible light and ultraviolet coronal imager. <i>Astronomy and Astrophysics</i> , 2020, 642, A10.	5.1	115
7	SIMBIO-SYS/STC stereo camera calibration: Geometrical distortion. <i>Review of Scientific Instruments</i> , 2019, 90, 043106.	1.3	6
8	Bilobate comet morphology and internal structure controlled by shear deformation. <i>Nature Geoscience</i> , 2019, 12, 157-162.	12.9	22
9	The Rocky-Like Behavior of Cometary Landslides on 67P/Churyumov-Gerasimenko. <i>Geophysical Research Letters</i> , 2019, 46, 14336-14346.	4.0	9
10	Performance evaluation of the SIMBIO-SYS Stereo Imaging Channel on board BepiColombo/ESA spacecraft. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 135, 828-835.	5.0	5
11	Spectral response of the stereo imaging channel of SIMBIO-SYS on-board the ESA BepiColombo Mission. , 2019, , .		1
12	SIMBIOSYS-STC ready for launch: a technical recap. , 2019, , .		1
13	Study and realization of a prototype of the primary off-axis 1-m diameter aluminium mirror for the ESA ARIEL mission. , 2019, , .		1
14	A lightweight Schmidt space telescope configuration for ultra-high energy cosmic ray detection. , 2019, , .		1
15	The primary mirror of the ARIEL mission: study of thermal, figuring, and finishing treatments and optical characterization of Al 6061 samples mirrors. , 2019, , .		1
16	Distortion calculation and removal for an off-axis and wide angle camera. , 2019, , .		0
17	CASTAway: An asteroid main belt tour and survey. <i>Advances in Space Research</i> , 2018, 62, 1998-2025.	2.6	18
18	The Telescope metrology Control Unit (TCU) on-board the ARIEL space mission. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 122, 443-452.	5.0	4

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19	The phase function and density of the dust observed at comet 67P/Churyumovâ€™Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2835-2839.	4.4	20
20	On deviations from free-radial outflow in the inner coma of comet 67P/Churyumovâ€™Gerasimenko. Icarus, 2018, 311, 1-22.	2.5	21
21	Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. Icarus, 2018, 301, 173-188.	2.5	33
22	The ARIEL Instrument Control Unit design. Experimental Astronomy, 2018, 46, 1-30.	3.7	8
23	Performances of the SIMBIO-SYS Stereo Imaging Channel (STC) on Board BepiColombo/ESA Spacecraft. , 2018, , .		1
24	Models of Rosetta/OSIRIS 67P Dust Coma Phase Function. Astronomical Journal, 2018, 156, 237.	4.7	20
25	Coma morphology of comet 67P controlled by insolation over irregular nucleus. Nature Astronomy, 2018, 2, 562-567.	10.1	19
26	Regional unit definition for the nucleus of comet 67P/Churyumov-Gerasimenko on the SHAP7 model. Planetary and Space Science, 2018, 164, 19-36.	1.7	32
27	The big lobe of 67P/Churyumovâ€™Gerasimenko comet: morphological and spectrophotometric evidences of layering as from OSIRIS data. Monthly Notices of the Royal Astronomical Society, 2018, 479, 1555-1568.	4.4	7
28	Double Donut Schmidt Camera, a wide-field, large-aperture, and lightweight space telescope for the detection of ultrahigh energy cosmic rays. Applied Optics, 2018, 57, 3078.	1.8	4
29	Thermal architecture of the ESA ARIEL payload. , 2018, , .		2
30	A prototype for the primary mirror of the ESA ARIEL mission: design and development of an off-axis 1-m diameter aluminium mirror for infrared space applications. , 2018, , .		3
31	The pre-launch distortion definition of SIMBIO-SYS/STC stereo camera by rational function models. , 2018, , .		2
32	A Mercury surface radiometric model for SIMBIO-SYS instrument suite on board of BepiColombo mission. , 2018, , .		7
33	Off-axis surface tolerance analysis: tips and tricks. , 2018, , .		0
34	Design of the instrument and telescope control units integrated subsystem of the ESA-ARIEL payload. , 2018, , .		0
35	The optical configuration of the telescope for the ARIEL ESA mission. , 2018, , .		0
36	Opposition effect on comet 67P/Churyumov-Gerasimenko using Rosetta-OSIRIS images. Astronomy and Astrophysics, 2017, 599, A11.	5.1	11

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37	Multivariate statistical analysis of OSIRIS/Rosetta spectrophotometric data of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 600, A115.	5.1	11
38	Distance determination method of dust particles using Rosetta OSIRIS NAC and WAC data. <i>Planetary and Space Science</i> , 2017, 143, 256-264.	1.7	8
39	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere (Corrigendum). <i>Astronomy and Astrophysics</i> , 2017, 598, C2.	5.1	8
40	Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. <i>Science</i> , 2017, 355, 1392-1395.	12.6	63
41	The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. <i>Nature Astronomy</i> , 2017, 1, .	10.1	100
42	Long-term monitoring of comet 67P/Churyumov-Gerasimenko's jets with OSIRIS onboard Rosetta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S380-S385.	4.4	13
43	On-Ground Performance and Calibration of the ExoMars Trace Gas Orbiter CaSSIS Imager. <i>Space Science Reviews</i> , 2017, 212, 1871-1896.	8.1	10
44	The Colour and Stereo Surface Imaging System (CaSSIS) for the ExoMars Trace Gas Orbiter. <i>Space Science Reviews</i> , 2017, 212, 1897-1944.	8.1	111
45	Seasonal erosion and restoration of the dust cover on comet 67P/Churyumov-Gerasimenko as observed by OSIRIS onboard Rosetta. <i>Astronomy and Astrophysics</i> , 2017, 604, A114.	5.1	43
46	Modelling of the outburst on 2015 July 29 observed with OSIRIS cameras in the Southern hemisphere of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S178-S185.	4.4	12
47	Constraints on cometary surface evolution derived from a statistical analysis of 67P's topography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S329-S338.	4.4	33
48	The scattering phase function of comet 67P/Churyumov-Gerasimenko coma as seen from the Rosetta/OSIRIS instrument. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S404-S415.	4.4	44
49	Seasonal mass transfer on the nucleus of comet 67P/Chuyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S357-S371.	4.4	111
50	Dust mass distribution around comet 67P/Churyumov-Gerasimenko determined via parallax measurements using Rosetta's OSIRIS cameras. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S276-S284.	4.4	43
51	The ARIEL ESA mission on-board metrology. , 2017, , .		5
52	The highly active Anhur-Bes regions in the 67P/Churyumov-Gerasimenko comet: results from OSIRIS/ROSETTA observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S93-S107.	4.4	30
53	Thermal modelling of water activity on comet 67P/Churyumov-Gerasimenko with global dust mantle and plural dust-to-ice ratio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S295-S311.	4.4	39
54	Characterization of dust aggregates in the vicinity of the Rosetta spacecraft. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S312-S320.	4.4	12

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55	Geomorphological and spectrophotometric analysis of Seth's circular niches on comet 67P/Churyumov-Gerasimenko using OSIRIS images. Monthly Notices of the Royal Astronomical Society, 2017, 469, S238-S251.	4.4	8
56	Effects of image compression and illumination on digital terrain models for the stereo camera of the BepiColombo mission. Planetary and Space Science, 2017, 136, 1-14.	1.7	8
57	Evidence of sub-surface energy storage in comet 67P from the outburst of 2016 July 03. Monthly Notices of the Royal Astronomical Society, 2017, 469, s606-s625.	4.4	45
58	The pebbles/boulders size distributions on Sais: Rosetta's final landing site on comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S636-S645.	4.4	40
59	An afocal telescope configuration for the ESA ARIEL mission. CEAS Space Journal, 2017, 9, 379-398.	2.3	8
60	Post-perihelion photometry of dust grains in the coma of 67P Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S195-S203.	4.4	17
61	Thermophysics of fractures on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2017, 608, A121.	5.1	7
62	The global meter-level shape model of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2017, 607, L1.	5.1	107
63	Long-term survival of surface water ice on comet 67P. Monthly Notices of the Royal Astronomical Society, 2017, 469, S582-S597.	4.4	24
64	The afocal telescope optical design and tolerance analysis for the ESA ARIEL mission. , 2017, , .		4
65	The afocal telescope optical design and tolerance analysis for the ESA ARIEL Mission. , 2017, , .		1
66	Optical design and performance of the Stereoscopic Imaging Channel for the ESA BepiColombo mission. , 2017, , .		0
67	The afocal telescope of the ESA ARIEL mission: analysis of the layout. , 2017, , .		0
68	A novel optical design for the stereo channel of the imaging system SIMBIOSYS for the BepiColombo ESA mission. , 2017, , .		0
69	Preliminary calibration results of the wide angle camera of the imaging instrument OSIRIS for the Rosetta mission. , 2017, , .		0
70	Acceleration of individual, decimetre-sized aggregates in the lower coma of comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S78-S88.	4.4	52
71	Geologic mapping of the Comet 67P/Churyumov-Gerasimenko's Northern hemisphere. Monthly Notices of the Royal Astronomical Society, 2016, 462, S352-S367.	4.4	27
72	The southern hemisphere of 67P/Churyumov-Gerasimenko: Analysis of the preperihelion size-frequency distribution of boulders >7 m. Astronomy and Astrophysics, 2016, 592, L2.	5.1	27

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73	Sunset jets observed on comet 67P/Churyumov-Gerasimenko sustained by subsurface thermal lag. <i>Astronomy and Astrophysics</i> , 2016, 586, A7.	5.1	55
74	Characterization of the Abydos region through OSIRIS high-resolution images in support of CIVA measurements. <i>Astronomy and Astrophysics</i> , 2016, 585, L1.	5.1	26
75	Gas outflow and dust transport of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S533-S546.	4.4	34
76	Sublimation of icy aggregates in the coma of comet 67P/Churyumov-Gerasimenko detected with the OSIRIS cameras on board <i>Rosetta</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S57-S66.	4.4	23
77	Summer fireworks on comet 67P. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S184-S194.	4.4	112
78	Are fractured cliffs the source of cometary dust jets? Insights from OSIRIS/Rosetta at 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 587, A14.	5.1	102
79	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere. <i>Astronomy and Astrophysics</i> , 2016, 593, A110.	5.1	86
80	Detection of exposed H ₂ O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 595, A102.	5.1	67
81	Comparative study of water ice exposures on cometary nuclei using multispectral imaging data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S394-S414.	4.4	18
82	The dust environment of comet 67P/Churyumov-Gerasimenko from Rosetta OSIRIS and VLT observations in the 4.5 to 2.9 AU heliocentric distance range inbound. <i>Astronomy and Astrophysics</i> , 2016, 587, A155.	5.1	39
83	Possible interpretation of the precession of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 590, A46.	5.1	14
84	A mini outburst from the nightside of comet 67P/Churyumov-Gerasimenko observed by the OSIRIS camera on Rosetta. <i>Astronomy and Astrophysics</i> , 2016, 596, A89.	5.1	29
85	Aswan site on comet 67P/Churyumov-Gerasimenko: Morphology, boulder evolution, and spectrophotometry. <i>Astronomy and Astrophysics</i> , 2016, 592, A69.	5.1	53
86	Observations and analysis of a curved jet in the coma of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 588, L3.	5.1	34
87	Photometry of dust grains of comet 67P and connection with nucleus regions. <i>Astronomy and Astrophysics</i> , 2016, 588, A59.	5.1	10
88	The global shape, density and rotation of Comet 67P/Churyumov-Gerasimenko from preperihelion Rosetta/OSIRIS observations. <i>Icarus</i> , 2016, 277, 257-278.	2.5	252
89	EVOLUTION OF THE DUST SIZE DISTRIBUTION OF COMET 67P/CHURYUMOV-GERASIMENKO FROM 2.2 au TO PERIHELION. <i>Astrophysical Journal</i> , 2016, 821, 19.	4.5	158
90	Spectrophotometry of the Khonsu region on the comet 67P/Churyumov-Gerasimenko using OSIRIS instrument images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S274-S286.	4.4	20

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91	The CaSSIS imaging system: optical performance overview. , 2016, , .		1
92	The 2016 Feb 19 outburst of comet 67P/CG: an ESA Rosetta multi-instrument study. Monthly Notices of the Royal Astronomical Society, 2016, 462, S220-S234.	4.4	60
93	Alignment procedure for detector integration and characterization of the CaSSIS instrument onboard the TGO mission. , 2016, , .		2
94	Thin-film optical pass band filters based on new photo-lithographic process for CaSSIS FPA detector on Exomars TGO mission: development, integration, and test. Proceedings of SPIE, 2016, , .	0.8	0
95	Geometrical distortion calibration of the stereo camera for the BepiColombo mission to Mercury. Proceedings of SPIE, 2016, , .	0.8	3
96	Physical properties and dynamical relation of the circular depressions on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 591, A132.	5.1	22
97	Decimetre-scaled spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko from OSIRIS observations. Monthly Notices of the Royal Astronomical Society, 2016, 462, S287-S303.	4.4	26
98	Rosetta's comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. Science, 2016, 354, 1566-1570.	12.6	97
99	Design of an afocal telescope for the ARIEL mission. Proceedings of SPIE, 2016, , .	0.8	5
100	CHANGES IN THE PHYSICAL ENVIRONMENT OF THE INNER COMA OF 67P/CHURYUMOV-GERASIMENKO WITH DECREASING HELIOCENTRIC DISTANCE. Astronomical Journal, 2016, 152, 130.	4.7	36
101	The Agilkia boulders/pebbles size-frequency distributions: OSIRIS and ROLIS joint observations of 67P surface. Monthly Notices of the Royal Astronomical Society, 2016, 462, S242-S252.	4.4	15
102	An integrated payload design for the Atmospheric Remote-sensing Infrared Exoplanet Large-survey (ARIEL). , 2016, , .		6
103	Geomorphological mapping of comet 67P/Churyumov-Gerasimenko's Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2016, 462, S573-S592.	4.4	23
104	Radiometric model for the stereo camera STC onboard the BepiColombo ESA mission. Proceedings of SPIE, 2016, , .	0.8	7
105	The primordial nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 592, A63.	5.1	159
106	Variegation of comet 67P/Churyumov-Gerasimenko in regions showing activity. Astronomy and Astrophysics, 2016, 586, A80.	5.1	43
107	Scientific assessment of the quality of OSIRIS images. Astronomy and Astrophysics, 2015, 583, A46.	5.1	67
108	Characterization of OSIRIS NAC filters for the interpretation of multispectral data of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A45.	5.1	8

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109	Shape model, reference system definition, and cartographic mapping standards for comet 67P/Churyumov-Gerasimenko â€” Stereo-photogrammetric analysis of Rosetta/OSIRIS image data. <i>Astronomy and Astrophysics</i> , 2015, 583, A33.	5.1	188
110	Gravitational slopes, geomorphology, and material strengths of the nucleus of comet 67P/Churyumov-Gerasimenko from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A32.	5.1	113
111	OSIRIS observations of meter-sized exposures of H ₂ O ice at the surface of 67P/Churyumov-Gerasimenko and interpretation using laboratory experiments. <i>Astronomy and Astrophysics</i> , 2015, 583, A25.	5.1	97
112	Redistribution of particles across the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A17.	5.1	149
113	Insolation, erosion, and morphology of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A34.	5.1	173
114	Morphology and dynamics of the jets of comet 67P/Churyumov-Gerasimenko: Early-phase development. <i>Astronomy and Astrophysics</i> , 2015, 583, A11.	5.1	33
115	67P/Churyumov-Gerasimenko: Activity between March and June 2014 as observed from Rosetta/OSIRIS. <i>Astronomy and Astrophysics</i> , 2015, 573, A62.	5.1	60
116	Spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko from the OSIRIS instrument onboard the ROSETTA spacecraft. <i>Astronomy and Astrophysics</i> , 2015, 583, A30.	5.1	188
117	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A26.	5.1	153
118	Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A35.	5.1	59
119	Size-frequency distribution of boulders â‰¥7 m on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A37.	5.1	108
120	Geomorphology and spectrophotometry of Philaeâ€™s landing site on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A41.	5.1	41
121	Comet 67P/Churyumov-Gerasimenko: Constraints on its origin from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A44.	5.1	53
122	Temporal morphological changes in the Imhotep region of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A36.	5.1	60
123	Large-scale dust jets in the coma of 67P/Churyumov-Gerasimenko as seen by the OSIRIS instrument onboard Rosetta. <i>Astronomy and Astrophysics</i> , 2015, 583, A9.	5.1	39
124	Fractures on comet 67P/Churyumov-Gerasimenko observed by Rosetta/OSIRIS. <i>Geophysical Research Letters</i> , 2015, 42, 5170-5178.	4.0	71
125	Orbital elements of the material surrounding comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A16.	5.1	23
126	Rotating dust particles in the coma of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A14.	5.1	26

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127	Pre-hibernation performances of the OSIRIS cameras onboard the Rosetta spacecraft. <i>Astronomy and Astrophysics</i> , 2015, 574, A123.	5.1	14
128	DTM generation from STC-SIMBIO-SYS images. , 2015, , .		3
129	Stray-light analyses of the METIS coronagraph on Solar Orbiter. <i>Proceedings of SPIE</i> , 2015, , .	0.8	5
130	Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. <i>Science</i> , 2015, 347, aaa3905.	12.6	310
131	On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa1044.	12.6	366
132	The morphological diversity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0440.	12.6	259
133	Large heterogeneities in comet 67P as revealed by active pits from sinkhole collapse. <i>Nature</i> , 2015, 523, 63-66.	27.8	158
134	Two independent and primitive envelopes of the bilobate nucleus of comet 67P. <i>Nature</i> , 2015, 526, 402-405.	27.8	141
135	Distortion definition and correction in off-axis systems. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
136	Search for satellites near comet 67P/Churyumov-Gerasimenko using Rosetta/OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A19.	5.1	13
137	Characterization of the integrating sphere for the on-ground calibration of the SIMBIOSYS instrument for the BepiColombo ESA mission. <i>Proceedings of SPIE</i> , 2014, , .	0.8	6
138	Coating and surface finishing definition for the Solar Orbiter/METIS inverted external occulter. , 2014, , .		3
139	Preliminary LSF and MTF determination for the stereo camera of the BepiColombo mission. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
140	Stereo Camera for satellite application: A new testing method. , 2014, , .		5
141	The rotation state of 67P/Churyumov-Gerasimenko from approach observations with the OSIRIS cameras on Rosetta. <i>Astronomy and Astrophysics</i> , 2014, 569, L2.	5.1	81
142	Preliminary tolerance analysis of the coronagraphic instrument METIS for the Solar Orbiter ESA mission. , 2013, , .		4
143	Novel space coronagraphs: METIS, a flexible optical design for multi-wavelength imaging and spectroscopy. , 2013, , .		10
144	Determination of ghost images for the wide angle camera of the Rosetta ESA mission. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1

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145	Preliminary optical design of a polychromator for a Raman LIDAR for atmospheric calibration of the Cherenkov Telescope Array. Proceedings of SPIE, 2012, , .	0.8	0
146	Preliminary internal straylight analysis of the METIS instrument for the Solar Orbiter ESA mission. , 2012, , .		1
147	Innovative optical setup for testing a stereo camera for space applications. Proceedings of SPIE, 2012, , .	0.8	7
148	METIS: a novel coronagraph design for the Solar Orbiter mission. Proceedings of SPIE, 2012, , .	0.8	34
149	Multi Element Telescope for Imaging and Spectroscopy (METIS) coronagraph for the Solar Orbiter mission. Proceedings of SPIE, 2012, , .	0.8	26
150	(21) Lutetia spectrophotometry from Rosetta-OSIRIS images and comparison to ground-based observations. Planetary and Space Science, 2012, 66, 43-53.	1.7	31
151	Geological map and stratigraphy of asteroid 21 Lutetia. Planetary and Space Science, 2012, 66, 125-136.	1.7	42
152	Images of Asteroid 21 Lutetia: A Remnant Planetesimal from the Early Solar System. Science, 2011, 334, 487-490.	12.6	179
153	Method for studying the effects of thermal deformations on optical systems for space application. Applied Optics, 2011, 50, 2836.	2.1	23
154	Liquid crystals Lyot filter for solar coronagraphy. Proceedings of SPIE, 2011, , .	0.8	1
155	A New Stereo Algorithm based on Snakes. Photogrammetric Engineering and Remote Sensing, 2011, 77, 495-507.	0.6	4
156	Link budget and background noise for satellite quantum key distribution. Advances in Space Research, 2011, 47, 802-810.	2.6	54
157	Ghost images determination for the stereoscopic imaging channel of SIMBIOSYS for the BepiColombo ESA mission. Proceedings of SPIE, 2011, , .	0.8	4
158	Upgrade of Iqueye, a novel photon-counting photometer for the ESO New Technology Telescope. Proceedings of SPIE, 2010, , .	0.8	3
159	Observing Mercury: from Galileo to the stereo camera on the BepiColombo mission. Proceedings of the International Astronomical Union, 2010, 6, 213-218.	0.0	1
160	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
161	A collision in 2009 as the origin of the debris trail of asteroid P/2010â€™A2. Nature, 2010, 467, 814-816.	27.8	94
162	A method for studying the effects of thermal deformations on optical systems for space application. Proceedings of SPIE, 2010, , .	0.8	1

#	ARTICLE	IF	CITATIONS
163	Effects of thermal deformations on the sensitivity of optical systems for space application. , 2010, , .		0
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