Stefano Debei

List of Publications by Year in descending order

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216 papers	8,113 citations	53794 45 h-index	53230 85 g-index
216 all docs	216 docs citations	216 times ranked	3460 citing authors

#	Article	IF	Citations
1	A Multimission Method for the Reconstruction of Gamma-ray Events on Silicon Tracker Pair Telescopes. Astrophysical Journal, 2022, 928, 141.	4.5	0
2	Simulation of Images and Digital Terrain Models for the Mission BepiColombo. Aerotecnica Missili & Spazio, 2021, 100, 161-169.	0.9	0
3	Towards the development of a cyber-physical measurement system (CPMS): case study of a bioinspired soft growing robot for remote measurement and monitoring applications. Acta IMEKO (2012), 2021, 10, 104.	0.7	15
4	Design of a user-friendly control system for planetary rovers with CPS feature. , 2021, , .		4
5	Optical performance evaluation of the high spatial resolution imaging camera of BepiColombo space mission. Optics and Laser Technology, 2021, 141, 107172.	4.6	4
6	Laboratory characterization of HYPSOS, a novel 4D remote sensing instrument. , 2021, , .		1
7	Viewpoint Selection for Rover Relative Pose Estimation Driven by Minimal Uncertainty Criteria. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	4
8	Occupancy grid mapping for rover navigation based on semantic segmentation. Acta IMEKO (2012), 2021, 10, 155.	0.7	2
9	Simulation Framework for Mobile Robots in Planetary-Like Environments. , 2020, , .		3
10	Retrieving Scale on Monocular Visual Odometry Using Low-Resolution Range Sensors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5875-5889.	4.7	30
11	Evaluation of 3D CNN Semantic Mapping for Rover Navigation. , 2020, , .		12
12	SIMBIO-SYS: Scientific Cameras and Spectrometer for the BepiColombo Mission. Space Science Reviews, 2020, 216, 1.	8.1	47
13	Relocalization With Submaps: Multi-Session Mapping for Planetary Rovers Equipped With Stereo Cameras. IEEE Robotics and Automation Letters, 2020, 5, 580-587.	5.1	15
14	MiniVO: Minimalistic Range Enhanced Monocular System for Scale Correct Pose Estimation. IEEE Sensors Journal, 2020, 20, 11874-11886.	4.7	8
15	Spectrophotometric variegation of the layering in comet 67P/Churyumov-Gerasimenko as seen by OSIRIS. Astronomy and Astrophysics, 2019, 630, A16.	5.1	2
16	Uncertainty evaluation of vision-based approaches for distance measurement of a tether tip-mass. , 2019, , .		0
17	Rover Relative Localization Testing in Martian Relevant Environment. , 2019, , .		3
18	Scientific objectives of JANUS Instrument onboard JUICE mission and key technical solutions for its Optical Head. , 2019, , .		4

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19	Analysis of Ganymede rotational state using JANUS telescope. , 2019, , .		0
20	Multidisciplinary analysis of the Hapi region located on Comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2139-2154.	4.4	9
21	An evaluation of ROS-compatible stereo visual SLAM methods on a nVidia Jetson TX2. Measurement: Journal of the International Measurement Confederation, 2019, 140, 161-170.	5.0	45
22	Experimental evaluation of a camera rig extrinsic calibration method based on retro-reflective markers detection. Measurement: Journal of the International Measurement Confederation, 2019, 140, 47-55.	5.0	7
23	Bilobate comet morphology and internal structure controlled by shear deformation. Nature Geoscience, 2019, 12, 157-162.	12.9	22
24	Pronounced morphological changes in a southern active zone on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A8.	5.1	7
25	Rosetta/OSIRIS observations of the 67P nucleus during the April 2016 flyby: high-resolution spectrophotometry. Astronomy and Astrophysics, 2019, 630, A9.	5.1	6
26	Phase-curve analysis of comet 67P/Churyumov-Gerasimenko at small phase angles. Astronomy and Astrophysics, 2019, 630, A11.	5.1	1
27	Surface evolution of the Anhur region on comet 67P/Churyumov-Gerasimenko from high-resolution OSIRIS images. Astronomy and Astrophysics, 2019, 630, A13.	5.1	15
28	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
29	Seasonal variations in source regions of the dust jets on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A17.	5.1	9
30	Quantitative analysis of isolated boulder fields on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A15.	5.1	4
31	Linking surface morphology, composition, and activity on the nucleus of 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A7.	5.1	18
32	The Rockyâ€Like Behavior of Cometary Landslides on 67P/Churyumovâ€Gerasimenko. Geophysical Research Letters, 2019, 46, 14336-14346.	4.0	9
33	ExoMars Atmospheric Mars Entry and Landing Investigations and Analysis (AMELIA). Space Science Reviews, 2019, 215, 1.	8.1	14
34	MarsTEM sensor simulations in Martian dust environment. Measurement: Journal of the International Measurement Confederation, 2018, 122, 453-458.	5.0	0
35	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
36	On deviations from free-radial outflow in the inner coma of comet 67P/Churyumovâ€“Gerasimenko. Icarus, 2018, 311, 1-22.	2.5	21

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37	Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. Icarus, 2018, 301, 173-188.	2.5	33
38	Scale Correct Monocular Visual Odometry Using a LiDAR Altimeter. , 2018, , .		12
39	Models of Rosetta/OSIRIS 67P Dust Coma Phase Function. Astronomical Journal, 2018, 156, 237.	4.7	20
40	Tensile strength of 67P/Churyumov-Gerasimenko nucleus material from overhangs (Corrigendum). Astronomy and Astrophysics, 2018, 614, C2.	5.1	0
41	Robust Visual Localization for Hopping Rovers on Small Bodies. , 2018, , .		7
42	From the editors of the special issue on selected methods and instrumentation of metrology for aerospace. IEEE Aerospace and Electronic Systems Magazine, 2018, 33, 4-5.	1.3	1
43	Metrological Characterization of a Vision-Based System for Relative Pose Measurements with Fiducial Marker Mapping for Spacecrafts. Robotics, 2018, 7, 43.	3.5	5
44	An Experimental Comparison of ROS-compatible Stereo Visual SLAM Methods for Planetary Rovers. , 2018, , .		15
45	Camera Rig Extrinsic Calibration Using a Motion Capture System. , 2018, , .		4
46	Tensile strength of 67P/Churyumovâ€“Gerasimenko nucleus material from overhangs. Astronomy and Astrophysics, 2018, 611, A33.	5.1	40
47	The DREAMS Experiment Onboard the Schiaparelli Module of the ExoMars 2016 Mission: Design, Performances and Expected Results. Space Science Reviews, 2018, 214, 1.	8.1	19
48	Coma morphology of comet 67P controlled by insolation over irregular nucleus. Nature Astronomy, 2018, 2, 562-567.	10.1	19
49	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
50	Exposed bright features on the comet 67P/Churyumovâ€“Gerasimenko: distribution and evolution. Astronomy and Astrophysics, 2018, 613, A36.	5.1	15
51	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
52	The DREAMS experiment flown on the ExoMars 2016 mission for the study of Martian environment during the dust storm season. Measurement: Journal of the International Measurement Confederation, 2018, 122, 484-493.	5.0	9
53	ExoMars 2016 Schiaparelli Module Trajectory and Atmospheric Profiles Reconstruction. Space Science Reviews, 2018, 214, 1.	8.1	10
54	Position Measurement and Uncertainty Analysis for the Shutter Mechanism Mounted on the Rosetta Mission. , 2018, , .		0

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55	Renovating Project Management: Knowledge Personalization and Sharing. Knowledge Management and Organizational Learning, 2017, , 131-153.	0.5	2
56	Opposition effect on comet 67P/Churyumov-Gerasimenko using Rosetta-OSIRIS images. Astronomy and Astrophysics, 2017, 599, A11.	5.1	11
57	Multivariate statistical analysis of OSIRIS/Rosetta spectrophotometric data of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2017, 600, A115.	5.1	11
58	Distance determination method of dust particles using Rosetta OSIRIS NAC and WAC data. Planetary and Space Science, 2017, 143, 256-264.	1.7	8
59	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere (Corrigendum). Astronomy and Astrophysics, 2017, 598, C2.	5.1	8
60	Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. Science, 2017, 355, 1392-1395.	12.6	63
61	The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. Nature Astronomy, 2017, 1, .	10.1	100
62	The opposition effect of 67P/Churyumovâ€“Gerasimenko on post-perihelion Rosetta images. Monthly Notices of the Royal Astronomical Society, 2017, 469, S550-S567.	4.4	22
63	Long-term monitoring of comet 67P/Churyumovâ€“Gerasimenkoâ€™s jets with OSIRIS onboard Rosetta. Monthly Notices of the Royal Astronomical Society, 2017, 469, S380-S385.	4.4	13
64	The Colour and Stereo Surface Imaging System (CaSSIS) for the ExoMars Trace Gas Orbiter. Space Science Reviews, 2017, 212, 1897-1944.	8.1	111
65	Seasonal erosion and restoration of the dust cover on comet 67P/Churyumov-Gerasimenko as observed by OSIRIS onboard Rosetta. Astronomy and Astrophysics, 2017, 604, A114.	5.1	43
66	Modelling of the outburst on 2015 July 29 observed with OSIRIS cameras in the Southern hemisphere of comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S178-S185.	4.4	12
67	Constraints on cometary surface evolution derived from a statistical analysis of 67Pâ€™s topography. Monthly Notices of the Royal Astronomical Society, 2017, 469, S329-S338.	4.4	33
68	The scattering phase function of comet 67P/Churyumovâ€“Gerasimenko coma as seen from the Rosetta/OSIRIS instrument. Monthly Notices of the Royal Astronomical Society, 2017, 469, S404-S415.	4.4	44
69	Seasonal mass transfer on the nucleus of comet 67P/Chuyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S357-S371.	4.4	111
70	Dust mass distribution around comet 67P/Churyumovâ€“Gerasimenko determined via parallax measurements using Rosetta's OSIRIS cameras. Monthly Notices of the Royal Astronomical Society, 2017, 469, S276-S284.	4.4	43
71	Korus â€” A drone project for visual and IR imaging. , 2017, , .		5
72	Stereo visual odometry failure recovery using monocular techniques. , 2017, , .		0

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73	Monocular visual odometry aided by a low resolution time of flight camera. , 2017, , .		7
74	The DREAMS experiment flown on the ExoMars 2016 mission for the study of Martian environment during the dust storm season. , 2017, , .		1
75	Simulation of a sounding rocket flight's dynamic. , 2017, , .		2
76	Mars rovers localization by matching local horizon to surface digital elevation models. , 2017, , .		18
77	Calibration of extrinsic parameters of a hybrid vision system for navigation comprising a very low resolution Time-of-Flight camera. , 2017, , .		3
78	MarsTEM sensor simulations in Martian dust environment. , 2017, , .		0
79	The highly active Anhurâ€“Bes regions in the 67P/Churyumovâ€“Gerasimenko comet: results from OSIRIS/ROSETTA observations. Monthly Notices of the Royal Astronomical Society, 2017, 469, S93-S107.	4.4	30
80	Thermal modelling of water activity on comet 67P/Churyumov-Gerasimenko with global dust mantle and plural dust-to-ice ratio. Monthly Notices of the Royal Astronomical Society, 2017, 469, S295-S311.	4.4	39
81	Characterization of dust aggregates in the vicinity of the Rosetta spacecraft. Monthly Notices of the Royal Astronomical Society, 2017, 469, S312-S320.	4.4	12
82	Geomorphological and spectrophotometric analysis of Seth's circular niches on comet 67P/Churyumovâ€“Gerasimenko using OSIRIS images. Monthly Notices of the Royal Astronomical Society, 2017, 469, S238-S251.	4.4	8
83	A preliminary investigation into the design of pressure cushions and their potential applications for forearm robotic orthoses. BioMedical Engineering OnLine, 2017, 16, 54.	2.7	7
84	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
85	The pebbles/boulders size distributions on Sais: Rosettaâ€™s final landing site on comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S636-S645.	4.4	40
86	Investigating the physical properties of outbursts on comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S731-S740.	4.4	23
87	A three-dimensional modelling of the layered structure of comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S741-S754.	4.4	22
88	Post-perihelion photometry of dust grains in the coma of 67P Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S195-S203.	4.4	17
89	Thermophysics of fractures on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2017, 608, A121.	5.1	7
90	The global meter-level shape model of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2017, 607, L1.	5.1	107

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91	Long-term survival of surface water ice on comet 67P. Monthly Notices of the Royal Astronomical Society, 2017, 469, S582-S597.	4.4	24
92	Effects of thermal deformation on optical instruments for space application. , 2017, , .		0
93	A novel optical design for the stereo channel of the imaging system SIMBIOSYS for the BepiColombo ESA mission. , 2017, , .		0
94	Preliminary calibration results of the wide angle camera of the imaging instrument OSIRIS for the Rosetta mission. , 2017, , .		0
95	Preliminary optical design of the stereo channel of the imaging system simbiosys for the BepiColombo ESA mission. , 2017, , .		0
96	Acceleration of individual, decimetre-sized aggregates in the lower coma of comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S78-S88.	4.4	52
97	Geologic mapping of the Comet 67P/Churyumovâ€“Gerasimenko's Northern hemisphere. Monthly Notices of the Royal Astronomical Society, 2016, 462, S352-S367.	4.4	27
98	The southern hemisphere of 67P/Churyumov-Gerasimenko: Analysis of the preperihelion size-frequency distribution of boulders â‰¥7 m. Astronomy and Astrophysics, 2016, 592, L2.	5.1	27
99	Sunset jets observed on comet 67P/Churyumov-Gerasimenko sustained by subsurface thermal lag. Astronomy and Astrophysics, 2016, 586, A7.	5.1	55
100	Characterization of the Abydos region through OSIRIS high-resolution images in support of CIVA measurements. Astronomy and Astrophysics, 2016, 585, L1.	5.1	26
101	Gas outflow and dust transport of comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S533-S546.	4.4	34
102	Sublimation of icy aggregates in the coma of comet 67P/Churyumovâ€“Gerasimenko detected with the OSIRIS cameras on boardRosetta. Monthly Notices of the Royal Astronomical Society, 2016, 462, S57-S66.	4.4	23
103	Summer fireworks on comet 67P. Monthly Notices of the Royal Astronomical Society, 2016, 462, S184-S194.	4.4	112
104	Are fractured cliffs the source of cometary dust jets? Insights from OSIRIS/Rosetta at 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 587, A14.	5.1	102
105	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere. Astronomy and Astrophysics, 2016, 593, A110.	5.1	86
106	Comparative study of water ice exposures on cometary nuclei using multispectral imaging data. Monthly Notices of the Royal Astronomical Society, 2016, 462, S394-S414.	4.4	18
107	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. Astronomy and Astrophysics, 2016, 587, A155.	5.1	39
108	Possible interpretation of the precession of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 590, A46.	5.1	14

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109	A mini outburst from the nightside of comet 67P/Churyumov-Gerasimenko observed by the OSIRIS camera on Rosetta. Astronomy and Astrophysics, 2016, 596, A89.	5.1	29
110	Aswan site on comet 67P/Churyumov-Gerasimenko: Morphology, boulder evolution, and spectrophotometry. Astronomy and Astrophysics, 2016, 592, A69.	5.1	53
111	Observations and analysis of a curved jet in the coma of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 588, L3.	5.1	34
112	Photometry of dust grains of comet 67P and connection with nucleus regions. Astronomy and Astrophysics, 2016, 588, A59.	5.1	10
113	The global shape, density and rotation of Comet 67P/Churyumov-Gerasimenko from preperihelion Rosetta/OSIRIS observations. Icarus, 2016, 277, 257-278.	2.5	252
114	EVOLUTION OF THE DUST SIZE DISTRIBUTION OF COMET 67P/CHURYUMOVâ€“GERASIMENKO FROM 2.2 au TO PERIHELION. Astrophysical Journal, 2016, 821, 19.	4.5	158
115	Spectrophotometry of the Khonsu region on the comet 67P/Churyumovâ€“Gerasimenko using OSIRIS instrument images. Monthly Notices of the Royal Astronomical Society, 2016, 462, S274-S286.	4.4	20
116	A comparison of monocular and stereo visual FastSLAM implementations. , 2016, , .		7
117	Visual odometry system performance for different landmark average distances. , 2016, , .		1
118	Development of a camera-aided optical mouse sensors based localization system for a free floating planar robot. , 2016, , .		0
119	Improving a sounding rocket technology demonstrator for experimental measurements. , 2016, , .		0
120	Autonomous re-entry system technology demonstrator for sounding rockets: Development of an automated control system as recovery device for precise landing of sounding rockets. , 2016, , .		1
121	Effect of rolling shutter on visual odometry systems suitable for planetary exploration. , 2016, , .		2
122	The ExoMars DREAMS scientific data archive. , 2016, , .		1
123	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
124	Physical properties and dynamical relation of the circular depressions on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 591, A132.	5.1	22
125	Decimetre-scaled spectrophotometric properties of the nucleus of comet 67P/Churyumovâ€“Gerasimenko from OSIRIS observations. Monthly Notices of the Royal Astronomical Society, 2016, 462, S287-S303.	4.4	26
126	Trade-off between TMA and RC configurations for JANUS camera. Proceedings of SPIE, 2016, , .	0.8	0

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127	Rosettaâ€™s comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. Science, 2016, 354, 1566-1570.	12.6	97
128	CHANGES IN THE PHYSICAL ENVIRONMENT OF THE INNER COMA OF 67P/CHURYUMOVâ€“GERASIMENKO WITH DECREASING HELIOCENTRIC DISTANCE. Astronomical Journal, 2016, 152, 130.	4.7	36
129	The Agilkia boulders/pebbles sizeâ€“frequency distributions: OSIRIS and ROLIS joint observations of 67P surface. Monthly Notices of the Royal Astronomical Society, 2016, 462, S242-S252.	4.4	15
130	Geomorphological mapping of comet 67P/Churyumovâ€“Gerasimenkoâ€™s Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2016, 462, S573-S592.	4.4	23
131	The primordial nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 592, A63.	5.1	159
132	EGSE customization for the Euclid NISP Instrument AIV/AIT activities. Proceedings of SPIE, 2016, , .	0.8	0
133	Detailed design and first tests of the application software for the instrument control unit of Euclid-NISP. Proceedings of SPIE, 2016, , .	0.8	1
134	Instrument workstation for the EGSE of the Near Infrared Spectro-Photometer instrument (NISP) of the EUCLID mission. , 2016, , .		2
135	Design and Validation of a Carbon-Fiber Collapsible Hinge for Space Applications: A Deployable Boom. Journal of Mechanisms and Robotics, 2016, 8, .	2.2	10
136	Uncertainty comparison of three visual odometry systems in different operative conditions. Measurement: Journal of the International Measurement Confederation, 2016, 78, 388-396.	5.0	16
137	Variegation of comet 67P/Churyumov-Gerasimenko in regions showing activity. Astronomy and Astrophysics, 2016, 586, A80.	5.1	43
138	Optical flow sensor based localization system for a cooperating spacecraft testbed. , 2015, , .		1
139	Scientific assessment of the quality of OSIRIS images. Astronomy and Astrophysics, 2015, 583, A46.	5.1	67
140	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
141	Shape model, reference system definition, and cartographic mapping standards for comet 67P/Churyumov-Gerasimenko â€“ Stereo-photogrammetric analysis of Rosetta/OSIRIS image data. Astronomy and Astrophysics, 2015, 583, A33.	5.1	188
142	Gravitational slopes, geomorphology, and material strengths of the nucleus of comet 67P/Churyumov-Gerasimenko from OSIRIS observations. Astronomy and Astrophysics, 2015, 583, A32.	5.1	113
143	OSIRIS observations of meter-sized exposures of H₂O ice at the surface of 67P/Churyumov-Gerasimenko and interpretation using laboratory experiments. Astronomy and Astrophysics, 2015, 583, A25.	5.1	97
144	Redistribution of particles across the nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A17.	5.1	149

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145	Insolation, erosion, and morphology of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A34.	5.1	173
146	Morphology and dynamics of the jets of comet 67P/Churyumov-Gerasimenko: Early-phase development. Astronomy and Astrophysics, 2015, 583, A11.	5.1	33
147	67P/Churyumov-Gerasimenko: Activity between March and June 2014 as observed from Rosetta/OSIRIS. Astronomy and Astrophysics, 2015, 573, A62.	5.1	60
148	Spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko from the OSIRIS instrument onboard the ROSETTA spacecraft. Astronomy and Astrophysics, 2015, 583, A30.	5.1	188
149	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images. Astronomy and Astrophysics, 2015, 583, A26.	5.1	153
150	Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. Astronomy and Astrophysics, 2015, 583, A35.	5.1	59
151	Size-frequency distribution of boulders â‰¥7 m on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A37.	5.1	108
152	Geomorphology and spectrophotometry of Philaeâ€™s landing site on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A41.	5.1	41
153	Comet 67P/Churyumov-Gerasimenko: Constraints on its origin from OSIRIS observations. Astronomy and Astrophysics, 2015, 583, A44.	5.1	53
154	Temporal morphological changes in the Imhotep region of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A36.	5.1	60
155	Large-scale dust jets in the coma of 67P/Churyumov-Gerasimenko as seen by the OSIRIS instrument onboard Rosetta. Astronomy and Astrophysics, 2015, 583, A9.	5.1	39
156	A sounding rocket as a test bench for cost effective measurements: Development of a sounding rocket demonstrator test bench for aerospace technologies and atmospheric measurements. , 2015, , .		1
157	Fractures on comet 67P/Churyumovâ€Gerasimenko observed by Rosetta/OSIRIS. Geophysical Research Letters, 2015, 42, 5170-5178.	4.0	71
158	Orbital elements of the material surrounding comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A16.	5.1	23
159	Rotating dust particles in the coma of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A14.	5.1	26
160	Uncertainty evaluation of a vision system for pose measurement of a spacecraft with fiducial markers. , 2015, , .		7
161	Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. Science, 2015, 347, aaa3905.	12.6	310
162	On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. Science, 2015, 347, aaa1044.	12.6	366

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163	The morphological diversity of comet 67P/Churyumov-Gerasimenko. Science, 2015, 347, aaa0440.	12.6	259
164	Large heterogeneities in comet 67P as revealed by active pits from sinkhole collapse. Nature, 2015, 523, 63-66.	27.8	158
165	Two independent and primitive envelopes of the bilobate nucleus of comet 67P. Nature, 2015, 526, 402-405.	27.8	141
166	SPARTANS - A cooperating spacecraft testbed for autonomous proximity operations experiments. , 2015, , .		7
167	Optical design and stray light analysis for the JANUS camera of the JUICE space mission. , 2015, , .		1
168	MarsTEM field test in Mars analog environment. , 2015, , .		0
169	Multiphysics modelling of MarsTEM shield. , 2015, , .		1
170	Search for satellites near comet 67P/Churyumov-Gerasimenko using Rosetta/OSIRIS images. Astronomy and Astrophysics, 2015, 583, A19.	5.1	13
171	Comparison of visual odometry systems suitable for planetary exploration. , 2014, , .		9
172	The electrical ground support equipment for the ExoMars 2016 DREAMS scientific instrument. , 2014, , .		0
173	A preliminary optical design for the JANUS camera of ESA's space mission JUICE. , 2014, , .		1
174	The JANUS camera onboard JUICE mission for Jupiter system optical imaging. Proceedings of SPIE, 2014, , .	0.8	3
175	Data handling equipment for payload sub-systems. , 2014, , .		0
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