

# Nick Thomas

## List of Publications by Year in descending order

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201  
papers

10,727  
citations

36271

51  
h-index

36008

97  
g-index

235  
all docs

235  
docs citations

235  
times ranked

4327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mars and the ESA Science Programme - the case for Mars polar science. <i>Experimental Astronomy</i> , 2022, 54, 677-693.	1.6	1
2	A comprehensive investigation of the Galilean moon, Io, by tracing mass and energy flows. <i>Experimental Astronomy</i> , 2022, 54, 791-807.	1.6	3
3	AMBITION "comet nucleus cryogenic sample return. <i>Experimental Astronomy</i> , 2022, 54, 1077-1128.	1.6	4
4	Near-infrared reflectance spectroscopy of sublimating salty ice analogues. Implications for icy moons. <i>Planetary and Space Science</i> , 2022, 211, 105391.	0.9	2
5	Absolute calibration of the Colour and Stereo Surface Imaging System (CaSSIS). <i>Planetary and Space Science</i> , 2022, 211, 105394.	0.9	8
6	Subpixel-Scale Topography Retrieval of Mars Using Single-Image DTM Estimation and Super-Resolution Restoration. <i>Remote Sensing</i> , 2022, 14, 257.	1.8	3
7	Multiband photometry of Martian Recurring Slope Lineae (RSL) and dust-removed features at Horowitz crater, Mars from TGO/CaSSIS color observations. <i>Planetary and Space Science</i> , 2022, 214, 105443.	0.9	8
8	The Ganymede Laser Altimeter (GALA) for the Jupiter Icy Moons Explorer (JUICE): Mission, science, and instrumentation of its receiver modules. <i>Advances in Space Research</i> , 2022, 69, 2283-2304.	1.2	10
9	Geology, in-situ resource-identification and engineering analysis of the Vernal crater area (Arabia) Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	8
10	A CaSSIS and HiRISE map of the Clay-bearing Unit at the ExoMars 2022 landing site in Oxia Planum. <i>Planetary and Space Science</i> , 2022, 214, 105429.	0.9	6
11	VIS spectroscopy of NaCl "water ice mixtures irradiated with 1 and 5 keV electrons under Europa's conditions: Formation of colour centres and Na colloids. <i>Icarus</i> , 2022, 379, 114977.	1.1	0
12	A numerical model of dust particle impacts during a cometary encounter with application to ESA's Comet Interceptor mission. <i>Acta Astronautica</i> , 2022, 195, 243-250.	1.7	3
13	Pre-landslide topographic reconstruction in Baetis Chaos, Mars using a CaSSIS Digital Elevation Model. <i>Planetary and Space Science</i> , 2022, 218, 105505.	0.9	0
14	Generation and Optimization of Spectral Cluster Maps to Enable Data Fusion of CaSSIS and CRISM Datasets. <i>Remote Sensing</i> , 2022, 14, 2524.	1.8	1
15	CaSSIS-based stereo products for Mars after three years in orbit. <i>Planetary and Space Science</i> , 2022, 219, 105515.	0.9	3
16	Reflectance study of ice and Mars soil simulant associations. $\text{CO}_2$ and $\text{H}_2\text{O}$ ice. <i>Icarus</i> , 2021, 358, 114169.	1.1	0
17	Reflectance study of ice and Mars soil simulant associations "I. $\text{H}_2\text{O}$ ice. <i>Icarus</i> , 2021, 358, 114169.	1.1	5
18	Comprehensive in-orbit performance evaluation of the BepiColombo Laser Altimeter (BELA). <i>Planetary and Space Science</i> , 2021, 195, 105088.	0.9	2

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19	Geodesy, Geophysics and Fundamental Physics Investigations of the BepiColombo Mission. Space Science Reviews, 2021, 217, 1.	3.7	25
20	The BepiColombo Laser Altimeter. Space Science Reviews, 2021, 217, 1.	3.7	15
21	The Importance of the Climate Record in the Martian Polar Layered Deposits. , 2021, 53, .		1
22	Investigation of the Surface Composition by Laser Ablation/Ionization Mass Spectrometry. , 2021, , .		4
23	3DPD: A photogrammetric pipeline for a PUSH frame stereo cameras. Planetary and Space Science, 2021, 198, 105165.	0.9	13
24	Morphological and Spectral Diversity of the Clay-Bearing Unit at the ExoMars Landing Site Oxia Planum. Astrobiology, 2021, 21, 464-480.	1.5	35
25	Single Image Super-Resolution Restoration of TGO CaSSIS Colour Images: Demonstration with Perseverance Rover Landing Site and Mars Science Targets. Remote Sensing, 2021, 13, 1777.	1.8	17
26	Topographic correction of HiRISE and CaSSIS images: Validation and application to color observations of Martian albedo features. Planetary and Space Science, 2021, 200, 105198.	0.9	8
27	Ultra-High-Resolution 1 m/pixel CaSSIS DTM Using Super-Resolution Restoration and Shape-from-Shading: Demonstration over Oxia Planum on Mars. Remote Sensing, 2021, 13, 2185.	1.8	11
28	New constraints on the chemical composition and outgassing of 67P/Churyumov-Gerasimenko. Planetary and Space Science, 2021, 200, 105194.	0.9	7
29	Rapid Single Image-Based DTM Estimation from ExoMars TGO CaSSIS Images Using Generative Adversarial U-Nets. Remote Sensing, 2021, 13, 2877.	1.8	12
30	The effect of thermal conductivity on the outgassing and local gas dynamics from cometary nuclei. Astronomy and Astrophysics, 2021, 655, A20.	2.1	3
31	Dynamics of recent landslides (<20 My) on Mars: Insights from high-resolution topography on Earth and Mars and numerical modelling. Planetary and Space Science, 2021, 206, 105303.	0.9	10
32	CaSSIS color and multi-angular observations of Martian slope streaks. Planetary and Space Science, 2021, 209, 105373.	0.9	6
33	The geography of Oxia Planum. Journal of Maps, 2021, 17, 621-637.	1.0	16
34	BepiColombo - Mission Overview and Science Goals. Space Science Reviews, 2021, 217, 1.	3.7	76
35	Porosity gradients as a means of driving lateral flows at cometary surfaces. Planetary and Space Science, 2020, 180, 104752.	0.9	7
36	Limitations in the determination of surface emission distributions on comets through modelling of observational data - A case study based on Rosetta observations. Icarus, 2020, 346, 113742.	1.1	7

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37	Ammonium salts are a reservoir of nitrogen on a cometary nucleus and possibly on some asteroids. <i>Science</i> , 2020, 367, .	6.0	115
38	The Dust-to-Gas Ratio, Size Distribution, and Dust Fall-Back Fraction of Comet 67P/Churyumov-Gerasimenko: Inferences From Linking the Optical and Dynamical Properties of the Inner Comae. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	30
39	Dayside-to-nightside dust coma brightness asymmetry and its implications for nightside activity at Comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2020, 351, 113968.	1.1	5
40	SIMBIO-SYS: Scientific Cameras and Spectrometer for the BepiColombo Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	47
41	Implications for the origin and evolution of Martian Recurring Slope Lineae at Hale crater from CaSSIS observations. <i>Planetary and Space Science</i> , 2020, 187, 104947.	0.9	28
42	The Holy Grail: A road map for unlocking the climate record stored within Mars' polar layered deposits. <i>Planetary and Space Science</i> , 2020, 184, 104841.	0.9	30
43	Dust-to-Gas and Refractory-to-Ice Mass Ratios of Comet 67P/Churyumov-Gerasimenko from Rosetta Observations. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	61
44	Future Investigations of Comets. <i>Astronomy and Astrophysics Library</i> , 2020, , 439-445.	0.2	0
45	Dust Emission from the Surface. <i>Astronomy and Astrophysics Library</i> , 2020, , 281-397.	0.2	1
46	Gas Emissions Near the Nucleus. <i>Astronomy and Astrophysics Library</i> , 2020, , 179-280.	0.2	0
47	The BepiColombo Laser Altimeter (BELA): a post-launch summary. <i>CEAS Space Journal</i> , 2019, 11, 371-380.	1.1	5
48	Surface Morphology of Comets and Associated Evolutionary Processes: A Review of Rosetta's Observations of 67P/Churyumov-Gerasimenko. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	28
49	Experimenting with Mixtures of Water Ice and Dust as Analogues for Icy Planetary Material. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	29
50	Towards New Comet Missions. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	13
51	The Ganymede laser altimeter (GALA): key objectives, instrument design, and performance. <i>CEAS Space Journal</i> , 2019, 11, 381-390.	1.1	13
52	A laboratory-based dielectric model for the radar sounding of the martian subsurface. <i>Icarus</i> , 2019, 321, 960-973.	1.1	11
53	Timescales of the Climate Record in the South Polar Ice Cap of Mars. <i>Geophysical Research Letters</i> , 2019, 46, 7268-7277.	1.5	26
54	A comparison of multiple Rosetta data sets and 3D model calculations of 67P/Churyumov-Gerasimenko coma around equinox (May 2015). <i>Icarus</i> , 2019, 328, 104-126.	1.1	20

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55	Constraining models of activity on comet 67P/Churyumov-Gerasimenko with Rosetta trajectory, rotation, and water production measurements. <i>Astronomy and Astrophysics</i> , 2019, 630, A18.	2.1	18
56	Water vapor deposition from the inner gas coma onto the nucleus of Comet 67P/Churyumov-Gerasimenko. <i>Planetary and Space Science</i> , 2018, 157, 1-9.	0.9	11
57	CASTAway: An asteroid main belt tour and survey. <i>Advances in Space Research</i> , 2018, 62, 1998-2025.	1.2	18
58	Geometric calibration of Colour and Stereo Surface Imaging System of ESA's Trace Gas Orbiter. <i>Advances in Space Research</i> , 2018, 61, 487-496.	1.2	9
59	On deviations from free-radial outflow in the inner coma of comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2018, 311, 1-22.	1.1	21
60	Cometary Dust. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	88
61	Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2018, 301, 173-188.	1.1	33
62	Thermal fracturing on comets. <i>Astronomy and Astrophysics</i> , 2018, 610, A76.	2.1	24
63	Dielectric Spectroscopy Measurements of Saline Aqueous Solutions in the VHF-UHF Bands: Toward a Dielectric Model of Icy Satellite Water Reservoirs. , 2018, , .		0
64	Polarimetry of Water Ice Particles Providing Insights on Grain Size and Degree of Sintering on Icy Planetary Surfaces. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2564-2584.	1.5	19
65	Thermal inertia and roughness of the nucleus of comet 67P/Churyumov-Gerasimenko from MIRO and VIRTIS observations. <i>Astronomy and Astrophysics</i> , 2018, 616, A122.	2.1	42
66	Tensile strength of 67P/Churyumov-Gerasimenko nucleus material from overhangs. <i>Astronomy and Astrophysics</i> , 2018, 611, A33.	2.1	40
67	Gas flow in near surface comet like porous structures: Application to 67P/Churyumov-Gerasimenko. <i>Planetary and Space Science</i> , 2018, 161, 57-67.	0.9	12
68	Regional unit definition for the nucleus of comet 67P/Churyumov-Gerasimenko on the SHAP7 model. <i>Planetary and Space Science</i> , 2018, 164, 19-36.	0.9	32
69	Exposed bright features on the comet 67P/Churyumov-Gerasimenko: distribution and evolution. <i>Astronomy and Astrophysics</i> , 2018, 613, A36.	2.1	15
70	The big lobe of 67P/Churyumov-Gerasimenko comet: morphological and spectrophotometric evidences of layering as from OSIRIS data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1555-1568.	1.6	7
71	The BepiColombo Laser Altimeter (BeLA) power converter module (PCM): Concept and characterisation. <i>Review of Scientific Instruments</i> , 2017, 88, 034702.	0.6	1
72	Opposition effect on comet 67P/Churyumov-Gerasimenko using Rosetta-OSIRIS images. <i>Astronomy and Astrophysics</i> , 2017, 599, A11.	2.1	11

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73	Multivariate statistical analysis of OSIRIS/Rosetta spectrophotometric data of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 600, A115.	2.1	11
74	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere (Corrigendum). <i>Astronomy and Astrophysics</i> , 2017, 598, C2.	2.1	8
75	Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. <i>Science</i> , 2017, 355, 1392-1395.	6.0	63
76	The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. <i>Nature Astronomy</i> , 2017, 1, .	4.2	100
77	On-Ground Performance and Calibration of the ExoMars Trace Gas Orbiter CaSSIS Imager. <i>Space Science Reviews</i> , 2017, 212, 1871-1896.	3.7	10
78	The Colour and Stereo Surface Imaging System (CaSSIS) for the ExoMars Trace Gas Orbiter. <i>Space Science Reviews</i> , 2017, 212, 1897-1944.	3.7	111
79	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.	2.1	43
80	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.	1.6	33
81	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.	1.6	44
82	Seasonal mass transfer on the nucleus of comet 67P/Chuyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S357-S371.	1.6	111
83	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.	1.6	43
84	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.	1.6	30
85	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.	1.6	39
86	Geomorphological and spectrophotometric analysis of Seth's circular niches on comet 67P/Churyumov-Gerasimenko using OSIRIS images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S238-S251.	1.6	8
87	Evidence of sub-surface energy storage in comet 67P from the outburst of 2016 July 03. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, s606-s625.	1.6	45
88	The pebbles/boulders size distributions on Sais: Rosetta's final landing site on comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S636-S645.	1.6	40
89	A three-dimensional modelling of the layered structure of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S741-S754.	1.6	22
90	Thermophysics of fractures on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 608, A121.	2.1	7

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91	The global meter-level shape model of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 607, L1.	2.1	107
92	Cliffs versus plains: Can ROSINA/COPS and OSIRIS data of comet 67P/Churyumov-Gerasimenko in autumn 2014 constrain inhomogeneous outgassing?. <i>Astronomy and Astrophysics</i> , 2017, 605, A112.	2.1	26
93	Long-term survival of surface water ice on comet 67P. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S582-S597.	1.6	24
94	Acceleration of individual, decimetre-sized aggregates in the lower coma of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S78-S88.	1.6	52
95	A porosity gradient in 67P/C-G nucleus suggested from CONSERT and SESAME-PP results: an interpretation based on new laboratory permittivity measurements of porous icy analogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S89-S98.	1.6	29
96	Geologic mapping of the Comet 67P/Churyumov-Gerasimenko's Northern hemisphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S352-S367.	1.6	27
97	Sunset jets observed on comet 67P/Churyumov-Gerasimenko sustained by subsurface thermal lag. <i>Astronomy and Astrophysics</i> , 2016, 586, A7.	2.1	55
98	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.	1.6	23
99	Summer fireworks on comet 67P. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S184-S194.	1.6	112
100	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.	2.1	102
101	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere. <i>Astronomy and Astrophysics</i> , 2016, 593, A110.	2.1	86
102	Detection of exposed H <sub>2</sub> O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 595, A102.	2.1	67
103	Modelling observations of the inner gas and dust coma of comet 67P/Churyumov-Gerasimenko using ROSINA/COPS and OSIRIS data: First results. <i>Astronomy and Astrophysics</i> , 2016, 589, A90.	2.1	53
104	Characterization of the permittivity of controlled porous water ice-dust mixtures to support the radar exploration of icy bodies. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 2426-2443.	1.5	17
105	Observations and analysis of a curved jet in the coma of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 588, L3.	2.1	34
106	The global shape, density and rotation of Comet 67P/Churyumov-Gerasimenko from preperihelion Rosetta/OSIRIS observations. <i>Icarus</i> , 2016, 277, 257-278.	1.1	252
107	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.	1.6	20
108	Electromagnetic compatibility of transmitter, receiver, and communication port of a space-qualified laser altimeter. , 2016, , .		4

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109	Physical properties and dynamical relation of the circular depressions on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 591, A132.	2.1	22
110	Decimetre-scaled spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko from OSIRIS observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S287-S303.	1.6	26
111	Rosetta's comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. <i>Science</i> , 2016, 354, 1566-1570.	6.0	97
112	Evidence for geologic processes on comets. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 2194-2210.	1.5	20
113	The Agilkia boulders/pebbles size-frequency distributions: OSIRIS and ROLIS joint observations of 67P surface. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S242-S252.	1.6	15
114	Geomorphological mapping of comet 67P/Churyumov-Gerasimenko's Southern hemisphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S573-S592.	1.6	23
115	The primordial nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 592, A63.	2.1	159
116	3D Direct Simulation Monte Carlo Modelling of the Inner Gas Coma of Comet 67P/Churyumov-Gerasimenko: A Parameter Study. <i>Earth, Moon and Planets</i> , 2016, 117, 41-64.	0.3	12
117	Sublimation of water ice mixed with silicates and tholins: Evolution of surface texture and reflectance spectra, with implications for comets. <i>Icarus</i> , 2016, 267, 154-173.	1.1	73
118	Sublimation of ice-tholins mixtures: A morphological and spectro-photometric study. <i>Icarus</i> , 2016, 266, 288-305.	1.1	35
119	Experimental characterization of the opposition surge in fine-grained water-ice and high albedo ice analogs. <i>Icarus</i> , 2016, 264, 109-131.	1.1	23
120	Variation of comet 67P/Churyumov-Gerasimenko in regions showing activity. <i>Astronomy and Astrophysics</i> , 2016, 586, A80.	2.1	43
121	Scientific assessment of the quality of OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A46.	2.1	67
122	Characterization of OSIRIS NAC filters for the interpretation of multispectral data of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A45.	2.1	8
123	Shape model, reference system definition, and cartographic mapping standards for comet 67P/Churyumov-Gerasimenko - Stereo-photogrammetric analysis of Rosetta/OSIRIS image data. <i>Astronomy and Astrophysics</i> , 2015, 583, A33.	2.1	188
124	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.	2.1	113
125	OSIRIS observations of meter-sized exposures of H <sub>2</sub> O ice at the surface of 67P/Churyumov-Gerasimenko and interpretation using laboratory experiments. <i>Astronomy and Astrophysics</i> , 2015, 583, A25.	2.1	97
126	Redistribution of particles across the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A17.	2.1	149



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127	Insolation, erosion, and morphology of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A34.	2.1	173
128	Morphology and dynamics of the jets of comet 67P/Churyumov-Gerasimenko: Early-phase development. <i>Astronomy and Astrophysics</i> , 2015, 583, A11.	2.1	33
129	VIS&NIR reflectance of water ice/regolith analogue mixtures and implications for the detectability of ice mixed within planetary regoliths. <i>Geophysical Research Letters</i> , 2015, 42, 6205-6212.	1.5	36
130	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.	2.1	188
131	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A26.	2.1	153
132	Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A35.	2.1	59
133	Geomorphology and spectrophotometry of Philae's landing site on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A41.	2.1	41
134	Comet 67P/Churyumov-Gerasimenko: Constraints on its origin from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A44.	2.1	53
135	Temporal morphological changes in the Imhotep region of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A36.	2.1	60
136	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.	2.1	39
137	Permittivity measurements of porous matter in support of investigations of the surface and interior of 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A39.	2.1	12
138	Fractures on comet 67P/Churyumov-Gerasimenko observed by Rosetta/OSIRIS. <i>Geophysical Research Letters</i> , 2015, 42, 5170-5178.	1.5	71
139	PITS FORMATION FROM VOLATILE OUTGASSING ON 67P/CHURYUMOV-GERASIMENKO. <i>Astrophysical Journal Letters</i> , 2015, 814, L5.	3.0	26
140	Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. <i>Science</i> , 2015, 347, aaa3905.	6.0	310
141	On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa1044.	6.0	366
142	The morphological diversity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0440.	6.0	259
143	Large heterogeneities in comet 67P as revealed by active pits from sinkhole collapse. <i>Nature</i> , 2015, 523, 63-66.	13.7	158
144	The SCITEAS experiment: Optical characterizations of sublimating icy planetary analogues. <i>Planetary and Space Science</i> , 2015, 109-110, 106-122.	0.9	26

#	ARTICLE	IF	CITATIONS
145	Two independent and primitive envelopes of the bilobate nucleus of comet 67P. <i>Nature</i> , 2015, 526, 402-405.	13.7	141
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