

Luisa MarÃ-a Lara

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5834105/publications.pdf>

Version: 2024-02-01

222
papers

11,006
citations

25034

57
h-index

40979

93
g-index

234
all docs

234
docs citations

234
times ranked

4939
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of iron emission lines and a temperature inversion on the dayside of the ultra-hot Jupiter KELT-20b. <i>Astronomy and Astrophysics</i> , 2022, 659, A7.	5.1	19
2	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.	2.6	10
3	The BepiColombo Laser Altimeter. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	15
4	Evidence of energy-, recombination-, and photon-limited escape regimes in giant planet H/He atmospheres. <i>Astronomy and Astrophysics</i> , 2021, 648, L7.	5.1	19
5	Visible and near-infrared observations of interstellar comet 2I/Borisov with the 10.4-m GTC and the 3.6-m TNG telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2053-2062.	4.4	11
6	SIMBIO-SYS: Scientific Cameras and Spectrometer for the BepiColombo Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	47
7	Modelling the He I triplet absorption at 10 830 Å in the atmosphere of HD 209458 b. <i>Astronomy and Astrophysics</i> , 2020, 636, A13.	5.1	49
8	Stellar impact on disequilibrium chemistry and observed spectra of hot Jupiter atmospheres. <i>Astronomy and Astrophysics</i> , 2020, 639, A48.	5.1	14
9	A He I upper atmosphere around the warm Neptune GJ 3470 b. <i>Astronomy and Astrophysics</i> , 2020, 638, A61.	5.1	65
10	A data-driven approach to constraining the atmospheric temperature structure of the ultra-hot Jupiter KELT-9b. <i>Astronomy and Astrophysics</i> , 2020, 643, A131.	5.1	23
11	Comet interceptor's EnVisS camera sky mapping function. , 2020, , .		3
12	The BepiColombo Laser Altimeter (BELA): a post-launch summary. <i>CEAS Space Journal</i> , 2019, 11, 371-380.	2.3	5
13	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 627, A49.	5.1	95
14	Spectrophotometric variegation of the layering in comet 67P/Churyumov-Gerasimenko as seen by OSIRIS. <i>Astronomy and Astrophysics</i> , 2019, 630, A16.	5.1	2
15	Scientific objectives of JANUS Instrument onboard JUICE mission and key technical solutions for its Optical Head. , 2019, , .		4
16	The Ganymede laser altimeter (GALA): key objectives, instrument design, and performance. <i>CEAS Space Journal</i> , 2019, 11, 381-390.	2.3	13
17	He I λ 10 830 Å in the transmission spectrum of HD209458 b. <i>Astronomy and Astrophysics</i> , 2019, 629, A110.	5.1	81
18	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. <i>Science</i> , 2019, 365, 1441-1445.	12.6	78

#	ARTICLE	IF	CITATIONS
19	Analysis of the origin of water, carbon monoxide, and carbon dioxide in the Uranus atmosphere. <i>Astronomy and Astrophysics</i> , 2019, 621, A129.	5.1	4
20	Multidisciplinary analysis of the Hapi region located on Comet 67P/Churyumovâ€Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2139-2154.	4.4	9
21	Bilobate comet morphology and internal structure controlled by shear deformation. <i>Nature Geoscience</i> , 2019, 12, 157-162.	12.9	22
22	Multiple water band detections in the CARMENES near-infrared transmission spectrum of HD 189733 b. <i>Astronomy and Astrophysics</i> , 2019, 621, A74.	5.1	57
23	Pronounced morphological changes in a southern active zone on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A8.	5.1	7
24	Rosetta/OSIRIS observations of the 67P nucleus during the April 2016 flyby: high-resolution spectrophotometry. <i>Astronomy and Astrophysics</i> , 2019, 630, A9.	5.1	6
25	Phase-curve analysis of comet 67P/Churyumov-Gerasimenko at small phase angles. <i>Astronomy and Astrophysics</i> , 2019, 630, A11.	5.1	1
26	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. <i>Astronomy and Astrophysics</i> , 2019, 630, A23.	5.1	9
27	Seasonal variations in source regions of the dust jets on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A17.	5.1	9
28	Quantitative analysis of isolated boulder fields on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A15.	5.1	4
29	The Rockyâ€Like Behavior of Cometary Landslides on 67P/Churyumovâ€Gerasimenko. <i>Geophysical Research Letters</i> , 2019, 46, 14336-14346.	4.0	9
30	Ionized calcium in the atmospheres of two ultra-hot exoplanets WASP-33b and KELT-9b. <i>Astronomy and Astrophysics</i> , 2019, 632, A69.	5.1	85
31	Water vapor detection in the transmission spectra of HD 209458 b with the CARMENES NIR channel. <i>Astronomy and Astrophysics</i> , 2019, 630, A53.	5.1	45
32	The VenSpec suite on the ESA EnVision mission to Venus. , 2019, , .		16
33	On deviations from free-radial outflow in the inner coma of comet 67P/Churyumovâ€Gerasimenko. <i>Icarus</i> , 2018, 311, 1-22.	2.5	21
34	Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2018, 301, 173-188.	2.5	33
35	The Castalia mission to Main Belt Comet 133P/Elst-Pizarro. <i>Advances in Space Research</i> , 2018, 62, 1947-1976.	2.6	27
36	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, A117.	5.1	103

#	ARTICLE	IF	CITATIONS
37	Models of Rosetta/OSIRIS 67P Dust Coma Phase Function. <i>Astronomical Journal</i> , 2018, 156, 237.	4.7	20
38	Detection of He I λ 10830 absorption on HD 189733 b with CARMENES high-resolution transmission spectroscopy. <i>Astronomy and Astrophysics</i> , 2018, 620, A97.	5.1	120
39	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, L5.	5.1	46
40	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 612, A49.	5.1	173
41	Tensile strength of 67P/Churyumov-Gerasimenko nucleus material from overhangs (<i>Corrigendum</i>). <i>Astronomy and Astrophysics</i> , 2018, 614, C2.	5.1	0
42	Tensile strength of 67P/Churyumov-Gerasimenko nucleus material from overhangs. <i>Astronomy and Astrophysics</i> , 2018, 611, A33.	5.1	40
43	Coma morphology of comet 67P controlled by insolation over irregular nucleus. <i>Nature Astronomy</i> , 2018, 2, 562-567.	10.1	19
44	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.	1.7	32
45	Exposed bright features on the comet 67P/Churyumov-Gerasimenko: distribution and evolution. <i>Astronomy and Astrophysics</i> , 2018, 613, A36.	5.1	15
46	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.	4.4	7
47	CARMENES: high-resolution spectra and precise radial velocities in the red and infrared. , 2018, , .		37
48	The BepiColombo Laser Altimeter (BeLA) power converter module (PCM): Concept and characterisation. <i>Review of Scientific Instruments</i> , 2017, 88, 034702.	1.3	1
49	Opposition effect on comet 67P/Churyumov-Gerasimenko using Rosetta-OSIRIS images. <i>Astronomy and Astrophysics</i> , 2017, 599, A11.	5.1	11
50	Multivariate statistical analysis of OSIRIS/Rosetta spectrophotometric data of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 600, A115.	5.1	11
51	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
52	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere (<i>Corrigendum</i>). <i>Astronomy and Astrophysics</i> , 2017, 598, C2.	5.1	8
53	The 67P/Churyumov-Gerasimenko observation campaign in support of the Rosetta mission. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160249.	3.4	29
54	Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. <i>Science</i> , 2017, 355, 1392-1395.	12.6	63

#	ARTICLE	IF	CITATIONS
55	The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. <i>Nature Astronomy</i> , 2017, 1, .	10.1	100
56	Long-term monitoring of comet 67P/Churyumovâ€™Gerasimenkoâ€™s jets with OSIRIS onboard Rosetta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S380-S385.	4.4	13
57	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
58	Modelling of the outburst on 2015 July 29 observed with OSIRIS cameras in the Southern hemisphere of comet 67P/Churyumovâ€™Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S178-S185.	4.4	12
59	Constraints on cometary surface evolution derived from a statistical analysis of 67Pâ€™s topography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S329-S338.	4.4	33
60	The scattering phase function of comet 67P/Churyumovâ€™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
61	Seasonal mass transfer on the nucleus of comet 67P/Chuyumovâ€™Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S357-S371.	4.4	111
62	Dust mass distribution around comet 67P/Churyumovâ€™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
63	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
64	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
65	ALMA Discovery of Dust Belts around Proxima Centauri. <i>Astrophysical Journal Letters</i> , 2017, 850, L6.	8.3	59
66	Geomorphological and spectrophotometric analysis of Seth's circular niches on comet 67P/Churyumovâ€™Gerasimenko using OSIRIS images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S238-S251.	4.4	8
67	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.	4.4	45
68	The pebbles/boulders size distributions on Sais: Rosettaâ€™s final landing site on comet 67P/Churyumovâ€™Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S636-S645.	4.4	40
69	Investigating the physical properties of outbursts on comet 67P/Churyumovâ€™Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S731-S740.	4.4	23
70	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.	4.4	22
71	Post-perihelion photometry of dust grains in the coma of 67P Churyumovâ€™Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S195-S203.	4.4	17
72	The global meter-level shape model of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 607, L1.	5.1	107

#	ARTICLE	IF	CITATIONS
73	The dust environment of comet 67P/Churyumovâ€™Gerasimenko: results from Monte Carlo dust tail modelling applied to a large ground-based observation data set. Monthly Notices of the Royal Astronomical Society, 2017, 469, S186-S194.	4.4	26
74	Long-term survival of surface water ice on comet 67P. Monthly Notices of the Royal Astronomical Society, 2017, 469, S582-S597.	4.4	24
75	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
76	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
77	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
78	Sunset jets observed on comet 67P/Churyumov-Gerasimenko sustained by subsurface thermal lag. Astronomy and Astrophysics, 2016, 586, A7.	5.1	55
79	Characterization of the Abydos region through OSIRIS high-resolution images in support of CIVA measurements. Astronomy and Astrophysics, 2016, 585, L1.	5.1	26
80	Gas outflow and dust transport of comet 67P/Churyumovâ€™Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S533-S546.	4.4	34
81	Sublimation of icy aggregates in the coma of comet 67P/Churyumovâ€™Gerasimenko detected with the OSIRIS cameras on board Rosetta. Monthly Notices of the Royal Astronomical Society, 2016, 462, S57-S66.	4.4	23
82	Summer fireworks on comet 67P. Monthly Notices of the Royal Astronomical Society, 2016, 462, S184-S194.	4.4	112
83	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
84	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere. Astronomy and Astrophysics, 2016, 593, A110.	5.1	86
85	Detection of exposed H ₂ O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 595, A102.	5.1	67
86	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
87	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
88	Possible interpretation of the precession of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 590, A46.	5.1	14
89	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
90	Aswan site on comet 67P/Churyumov-Gerasimenko: Morphology, boulder evolution, and spectrophotometry. Astronomy and Astrophysics, 2016, 592, A69.	5.1	53

#	ARTICLE	IF	CITATIONS
91	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
92	Photometry of dust grains of comet 67P and connection with nucleus regions. <i>Astronomy and Astrophysics</i> , 2016, 588, A59.	5.1	10
93	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
94	EVOLUTION OF THE DUST SIZE DISTRIBUTION OF COMET 67P/CHURYUMOVâ€“GERASIMENKO FROM 2.2 au TO PERIHELION. <i>Astrophysical Journal</i> , 2016, 821, 19.	4.5	158
95	Spectrophotometry of the Khonsu region on the comet 67P/Churyumovâ€“Gerasimenko using OSIRIS instrument images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S274-S286.	4.4	20
96	Electromagnetic compatibility of transmitter, receiver, and communication port of a space-qualified laser altimeter. , 2016, , .		4
97	The 2016 Feb 19 outburst of comet 67P/CG: an ESA Rosetta multi-instrument study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S220-S234.	4.4	60
98	Physical properties and dynamical relation of the circular depressions on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 591, A132.	5.1	22
99	CARMENES: an overview six months after first light. <i>Proceedings of SPIE</i> , 2016, , .	0.8	59
100	CHANGES IN THE PHYSICAL ENVIRONMENT OF THE INNER COMA OF 67P/CHURYUMOVâ€“GERASIMENKO WITH DECREASING HELIOCENTRIC DISTANCE. <i>Astronomical Journal</i> , 2016, 152, 130.	4.7	36
101	The Agilkia boulders/pebbles sizeâ€“frequency distributions: OSIRIS and ROLIS joint observations of 67P surface. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S242-S252.	4.4	15
102	Geomorphological mapping of comet 67P/Churyumovâ€“Gerasimenkoâ€™s Southern hemisphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S573-S592.	4.4	23
103	The primordial nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 592, A63.	5.1	159
104	Variation of comet 67P/Churyumov-Gerasimenko in regions showing activity. <i>Astronomy and Astrophysics</i> , 2016, 586, A80.	5.1	43
105	Scientific assessment of the quality of OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A46.	5.1	67
106	Characterization of OSIRIS NAC filters for the interpretation of multispectral data of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A45.	5.1	8
107	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
108	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

#	ARTICLE	IF	CITATIONS
109	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
110	Redistribution of particles across the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A17.	5.1	149
111	Insolation, erosion, and morphology of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A34.	5.1	173
112	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
113	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
114	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
115	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A26.	5.1	153
116	Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A35.	5.1	59
117	Size-frequency distribution of boulders ≈ 7 m on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A37.	5.1	108
118	Geomorphology and spectrophotometry of Philae's landing site on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A41.	5.1	41
119	Comet 67P/Churyumov-Gerasimenko: Constraints on its origin from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A44.	5.1	53
120	Temporal morphological changes in the Imhotep region of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A36.	5.1	60
121	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
122	Fractures on comet 67P/Churyumov-Gerasimenko observed by Rosetta/OSIRIS. <i>Geophysical Research Letters</i> , 2015, 42, 5170-5178.	4.0	71
123	Orbital elements of the material surrounding comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A16.	5.1	23
124	Rotating dust particles in the coma of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A14.	5.1	26
125	Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. <i>Science</i> , 2015, 347, aaa3905.	12.6	310
126	On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa1044.	12.6	366

#	ARTICLE	IF	CITATIONS
127	The morphological diversity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0440.	12.6	259
128	Large heterogeneities in comet 67P as revealed by active pits from sinkhole collapse. <i>Nature</i> , 2015, 523, 63-66.	27.8	158
129	Two independent and primitive envelopes of the bilobate nucleus of comet 67P. <i>Nature</i> , 2015, 526, 402-405.	27.8	141
130	Optical design and stray light analysis for the JANUS camera of the JUICE space mission. , 2015, , .		1
131	Search for satellites near comet 67P/Churyumov-Gerasimenko using Rosetta/OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A19.	5.1	13
132	A time-dependent photochemical model for Titan's atmosphere and the origin of H ₂ O. <i>Astronomy and Astrophysics</i> , 2014, 566, A143.	5.1	22
133	A preliminary optical design for the JANUS camera of ESA's space mission JUICE. , 2014, , .		1
134	The JANUS camera onboard JUICE mission for Jupiter system optical imaging. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
135	MarcoPolo-R: Near-Earth Asteroid sample return mission selected for the assessment study phase of the ESA program cosmic vision. <i>Acta Astronautica</i> , 2014, 93, 530-538.	3.2	36
136	<i>Herschel</i> observations of gas and dust in comet C/2006 W3 (Christensen) at 5 AU from the Sun. <i>Astronomy and Astrophysics</i> , 2014, 564, A124.	5.1	12
137	Thermophysical simulations of comet Hale-Bopp. <i>Astronomy and Astrophysics</i> , 2014, 563, A98.	5.1	7
138	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
139	<i>Herschel</i> /PACS spectroscopy of trace gases of the stratosphere of Titan. <i>Astronomy and Astrophysics</i> , 2014, 561, A4.	5.1	35
140	Activity of Comet 103P/Hartley 2 at the time of the EPOXI mission fly-by. <i>Icarus</i> , 2013, 222, 766-773.	2.5	5
141	Spin and activity of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2013, 549, A121.	5.1	31
142	LONG-TERM MONITORING OF COMET 103P/HARTLEY 2. <i>Astronomical Journal</i> , 2013, 146, 4.	4.7	7
143	Spatial distribution of water in the stratosphere of Jupiter from <i>Herschel</i> /HIFI and PACS observations. <i>Astronomy and Astrophysics</i> , 2013, 553, A21.	5.1	32
144	Exploring the nature of new main-belt comets with the 10.4m GTC telescope: (300163) 2006 VW139. <i>Astronomy and Astrophysics</i> , 2013, 550, A17.	5.1	35

#	ARTICLE	IF	CITATIONS
145	The abundance, vertical distribution and origin of H ₂ O in Titan's atmosphere: Herschel observations and photochemical modelling. <i>Icarus</i> , 2012, 221, 753-767.	2.5	61
146	Physical studies of 81P/Wild 2 from the last two apparitions. <i>Astronomy and Astrophysics</i> , 2012, 537, A101.	5.1	12
147	An upper limit for the water outgassing rate of the main-belt comet 176P/LINEAR observed with <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2012, 546, L4.	5.1	29
148	MarcoPolo-R near earth asteroid sample return mission. <i>Experimental Astronomy</i> , 2012, 33, 645-684.	3.7	72
149	Depth of faulting and ancient heat flows in the Kuiper region of Mercury from lobate scarp topography. <i>Planetary and Space Science</i> , 2012, 60, 193-198.	1.7	25
150	Comet 103P/Hartley 2 at perihelion: gas and dust activity. <i>Astronomy and Astrophysics</i> , 2011, 532, A87.	5.1	19
151	Images of Asteroid 21 Lutetia: A Remnant Planetesimal from the Early Solar System. <i>Science</i> , 2011, 334, 487-490.	12.6	179
152	Stardust-NExT, Deep Impact, and the accelerating spin of 9P/Tempel 1. <i>Icarus</i> , 2011, 213, 345-368.	2.5	44
153	THE DUST ENVIRONMENT OF MAIN-BELT COMET P/2010 R2 (LA SAGRA). <i>Astrophysical Journal Letters</i> , 2011, 738, L16.	8.3	38
154	67P/Churyumov-Gerasimenko activity evolution during its last perihelion before the Rosetta encounter. <i>Astronomy and Astrophysics</i> , 2011, 525, A36.	5.1	31
155	First detection of hydrogen isocyanide (HNC) in Titan's atmosphere. <i>Astronomy and Astrophysics</i> , 2011, 536, L12.	5.1	40
156	Deep Impact, Stardust-NExT and the behavior of Comet 9P/Tempel 1 from 1997 to 2010. <i>Icarus</i> , 2011, 213, 323-344.	2.5	16
157	<i>EPOXI</i> : COMET 103P/HARTLEY 2 OBSERVATIONS FROM A WORLDWIDE CAMPAIGN. <i>Astrophysical Journal Letters</i> , 2011, 734, L1.	8.3	96
158	Photometric and spectroscopic observations of asteroid (21) Lutetia three months before the Rosetta fly-by. <i>Astronomy and Astrophysics</i> , 2011, 527, A42.	5.1	3
159	(596) SCHEILA IN OUTBURST: A PROBABLE COLLISION EVENT IN THE MAIN ASTEROID BELT. <i>Astrophysical Journal</i> , 2011, 738, 130.	4.5	65
160	æTNOs are Cool: A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2010, 518, L147.	5.1	51
161	First results of <i>Herschel</i> -PACS observations of Neptune. <i>Astronomy and Astrophysics</i> , 2010, 518, L152.	5.1	60
162	A numerical model of cometary dust coma structures. <i>Astronomy and Astrophysics</i> , 2010, 512, A60.	5.1	19

#	ARTICLE	IF	CITATIONS
163	A study of the distant activity of comet C/2006 W3 (Christensen) with <i>Herschel</i> and ground-based radio telescopes. <i>Astronomy and Astrophysics</i> , 2010, 518, L149.	5.1	35
164	<i>Herschel</i> /HIFI observations of Mars: First detection of O ₂ at submillimetre wavelengths and upper limits on HCl and H ₂ O ₂ . <i>Astronomy and Astrophysics</i> , 2010, 521, L49.	5.1	57
165	Coma Structures in Comet 73P/Schwassmann-Wachmann 3, Components B and C, Between January and May 2006. <i>Earth, Moon and Planets</i> , 2010, 106, 27-35.	0.6	7
166	HCN SPECTROSCOPY OF COMET 73P/SCHWASSMANN-WACHMANN 3. A STUDY OF GAS EVOLUTION AND ITS LINK TO CN. <i>Astrophysical Journal</i> , 2010, 715, 1258-1269.	4.5	19
167	HIFI observations of water in the atmosphere of comet C/2008 Q3 (Garradd). <i>Astronomy and Astrophysics</i> , 2010, 518, L150.	5.1	31
168	First results on Martian carbon monoxide from <i>Herschel</i> /HIFI observations. <i>Astronomy and Astrophysics</i> , 2010, 521, L48.	5.1	19
169	Water production in comet 81P/Wild as determined by <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2010, 521, L50.	5.1	25
170	“TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2010, 518, L146.	5.1	48
171	“TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2010, 518, L148.	5.1	60
172	E-Type Asteroid (2867) Steins as Imaged by OSIRIS on Board Rosetta. <i>Science</i> , 2010, 327, 190-193.	12.6	120
173	Structures in the dust coma of comet C/1999 T1 (McNaught-Hartley) from Jan. 26 to Feb. 05, 2001. <i>Astronomy and Astrophysics</i> , 2009, 497, 843-846.	5.1	7
174	THE OUTBURST OF COMET 17P/HOLMES. <i>Astronomical Journal</i> , 2009, 138, 625-632.	4.7	23
175	TNOs are Cool: A Survey of the Transneptunian Region. <i>Earth, Moon and Planets</i> , 2009, 105, 209-219.	0.6	55
176	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	3.7	77
177	Water and related chemistry in the solar system. A guaranteed time key programme for <i>Herschel</i> . <i>Planetary and Space Science</i> , 2009, 57, 1596-1606.	1.7	58
178	Activity evolution, outbursts, and splitting events of comet 73P/Schwassmann-Wachmann 3. <i>Astronomy and Astrophysics</i> , 2009, 496, 235-247.	5.1	17
179	OSIRIS: The Scientific Camera System Onboard Rosetta. , 2009, , 1-67.		0
180	A Model of the Early Evolution of the 2007 Outburst of Comet 17P/Holmes. <i>Astrophysical Journal</i> , 2008, 677, L63-L66.	4.5	29

#	ARTICLE	IF	CITATIONS
181	Evolution of the crystallization front in cometary models. <i>Astronomy and Astrophysics</i> , 2008, 486, 331-340.	5.1	11
182	The BepiColombo Laser Altimeter (BELA): Concept and baseline design. <i>Planetary and Space Science</i> , 2007, 55, 1398-1413.	1.7	80
183	OSIRIS – The Scientific Camera System Onboard Rosetta. <i>Space Science Reviews</i> , 2007, 128, 433-506.	8.1	286
184	Observations of Comet 9P/Tempel 1 around the Deep Impact event by the OSIRIS cameras onboard Rosetta. <i>Icarus</i> , 2007, 187, 87-103.	2.5	27
185	Properties of the dust cloud caused by the Deep Impact experiment. <i>Icarus</i> , 2007, 187, 208-219.	2.5	36
186	Behavior of Comet 9P/Tempel 1 around the Deep Impact event. <i>Astronomy and Astrophysics</i> , 2007, 465, 1061-1067.	5.1	12
187	How the Comet 9P/Tempel 1 has Behaved Before, During, and After the Deep Impact Event. , 2007, , 287-294.		0
188	Characterization of zonal winds in the stratosphere of Titan with UVES: 2. Observations coordinated with the Huygens Probe entry. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	19
189	Pre-impact monitoring of Comet 9P/Tempel 1, the Deep Impact target. <i>Astronomy and Astrophysics</i> , 2006, 445, 1151-1157.	5.1	33
190	Electric properties and related physical characteristics of the atmosphere and surface of Titan. <i>Planetary and Space Science</i> , 2006, 54, 1124-1136.	1.7	49
191	A large dust/ice ratio in the nucleus of comet 9P/Tempel 1. <i>Nature</i> , 2005, 437, 987-990.	27.8	141
192	Characterization of zonal winds in the stratosphere of Titan with UVES. <i>Icarus</i> , 2005, 179, 497-510.	2.5	29
193	Dust Activity in Comet 67P/Churyumov – Gerasimenko from February 20 to April 20, 2003. <i>Earth, Moon and Planets</i> , 2005, 97, 165-175.	0.6	12
194	Deep Impact Observations by OSIRIS Onboard the Rosetta Spacecraft. <i>Science</i> , 2005, 310, 281-283.	12.6	82
195	Deep Impact: Observations from a Worldwide Earth-Based Campaign. <i>Science</i> , 2005, 310, 265-269.	12.6	182
196	Gas and dust in Comet C/2000 W1 during its closest approach to Earth: Optical imaging and long-slit spectroscopy. <i>Astronomy and Astrophysics</i> , 2004, 422, 717-729.	5.1	28
197	Dust in Comet 67P/Churyumov – Gerasimenko. <i>Astrophysical Journal</i> , 2004, 613, 1263-1269.	4.5	34
198	The gas and dust coma of Comet C/1999 H1 (Lee). <i>Astronomy and Astrophysics</i> , 2004, 420, 371-382.	5.1	15

#	ARTICLE	IF	CITATIONS
199	Sublimating components in the coma of comet C/2000 WM1(LINEAR). <i>Astronomy and Astrophysics</i> , 2004, 424, 325-330.	5.1	25
200	Color of an ensemble of particles with a wide power-law size distribution: application to observations of Comet Hale-Bopp at. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2003, 79-80, 861-871.	2.3	12
201	Solar ultraviolet transfer in the Martian atmosphere: biological and geological implications. <i>Planetary and Space Science</i> , 2003, 51, 399-410.	1.7	32
202	Behaviour of Comet 21P/Giacobini-Zinner during the 1998 perihelion. <i>Astronomy and Astrophysics</i> , 2003, 399, 763-772.	5.1	25
203	The dust tail of Comet C/1999 T1 McNaught-Hartley. <i>Astronomy and Astrophysics</i> , 2003, 399, 789-794.	5.1	6
204	Near-infrared spectroscopy of the nucleus of comet 124P/Mrkos. <i>Astronomy and Astrophysics</i> , 2003, 398, L45-L48.	5.1	34
205	Dust in comet McNaught-Hartley (C/1999 T1) from Jan. 25 to Feb. 04, 2001: IR and optical CCD imaging. <i>Astronomy and Astrophysics</i> , 2003, 404, 373-378.	5.1	8
206	New spin period determination for comet 6P/d'Arrest. <i>Astronomy and Astrophysics</i> , 2003, 407, L37-L40.	5.1	14
207	Nitriles produced by ion chemistry in the lower ionosphere of Titan. <i>Journal of Geophysical Research</i> , 2002, 107, 9-1-9-11.	3.3	22
208	The CH ₄ Density in the Upper Atmosphere of Titan. <i>Icarus</i> , 2002, 158, 191-198.	2.5	12
209	The Surface of Cometary Nuclei Related Minor Icy Bodies. <i>Earth, Moon and Planets</i> , 2002, 90, 495-496.	0.6	11
210	Activity of Comet Tabur (C/1996 Q1) during September 12-17, 1996. <i>Icarus</i> , 2001, 150, 124-139.	2.5	16
211	Properties and Evolution of Dust in Comet Tabur (C/1996 Q1) from the Color Maps. <i>Icarus</i> , 2001, 153, 197-207.	2.5	11
212	A Coupled Model of Titan's Atmosphere and Ionosphere. <i>Icarus</i> , 2000, 147, 386-404.	2.5	124
213	Chemistry of the galactic cosmic ray induced ionosphere of Titan. <i>Journal of Geophysical Research</i> , 1999, 104, 21997-22024.	3.3	52
214	High-Resolution 10-micronmeter Spectroscopy of Ammonia and Phosphine Lines on Jupiter. <i>Icarus</i> , 1998, 131, 317-333.	2.5	47
215	Title is missing!. <i>Earth, Moon and Planets</i> , 1997, 77, 167-180.	0.6	46
216	Photochemical Models of Pluto's Atmosphere. <i>Icarus</i> , 1997, 130, 16-35.	2.5	57

#	ARTICLE	IF	CITATIONS
217	Vertical distribution of Titan's atmospheric neutral constituents. <i>Journal of Geophysical Research</i> , 1996, 101, 23261-23283.	3.3	300
218	Ablation and chemistry of meteoric materials in the atmosphere of Titan. <i>Advances in Space Research</i> , 1996, 17, 157-160.	2.6	45
219	Liquids and solids on the surface of Titan: results of a new photochemical model. <i>Planetary and Space Science</i> , 1994, 42, 5-14.	1.7	56
220	Charge-coupled device spectral images of spatially resolved regions of Jupiter in the 6190 and 8900 Å... methane and 6450 Å... ammonia bands during the 1989 Opposition. <i>Journal of Geophysical Research</i> , 1991, 96, 14119-14127.	3.3	9
221	The backscattering ratio of comet 67P/Churyumov-Gerasimenko dust coma as seen by OSIRIS onboard Rosetta. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	6
222	The dust and gas environment of comet 8P/Tuttle. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	0