

Sonia Fornasier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1282382/publications.pdf>

Version: 2024-02-01

197
papers

10,714
citations

26630

56
h-index

39675

94
g-index

210
all docs

210
docs citations

210
times ranked

3320
citing authors

#	ARTICLE	IF	CITATIONS
1	Macro and micro structures of pebble-made cometary nuclei reconciled by seasonal evolution. <i>Nature Astronomy</i> , 2022, 6, 546-553.	10.1	20
2	Disk-resolved photometric modeling and properties of asteroid (101955) Bennu. <i>Icarus</i> , 2021, 357, 113724.	2.5	29
3	Photometry of asteroid (101955) Bennu with OVIRS on OSIRIS-REx. <i>Icarus</i> , 2021, 358, 114183.	2.5	25
4	Spectral analysis of craters on (101955) Bennu. <i>Icarus</i> , 2021, 357, 114252.	2.5	6
5	Exogenic basalt on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2021, 5, 31-38.	10.1	57
6	Modeling optical roughness and first-order scattering processes from OSIRIS-REx color images of the rough surface of asteroid (101955) Bennu. <i>Icarus</i> , 2021, 357, 114106.	2.5	8
7	In search of Bennu analogs: Hapke modeling of meteorite mixtures. <i>Astronomy and Astrophysics</i> , 2021, 648, A88.	5.1	9
8	Spectrophotometric Modeling and Mapping of (101955) Bennu. <i>Planetary Science Journal</i> , 2021, 2, 117.	3.6	9
9	Hydrogen abundance estimation and distribution on (101955) Bennu. <i>Icarus</i> , 2021, 363, 114427.	2.5	19
10	Regional Photometric Modeling of Asteroid (101955) Bennu. <i>Planetary Science Journal</i> , 2021, 2, 124.	3.6	4
11	Composition of organics on asteroid (101955) Bennu. <i>Astronomy and Astrophysics</i> , 2021, 653, L1.	5.1	10
12	Small lobe of comet 67P: Characterization of the Wosret region with ROSETTA-OSIRIS. <i>Astronomy and Astrophysics</i> , 2021, 653, A132.	5.1	10
13	Characterisation of the main belt asteroid (223) Rosa. <i>Astronomy and Astrophysics</i> , 2021, 656, L18.	5.1	9
14	Variations in color and reflectance on the surface of asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	84
15	The Philae lander reveals low-strength primitive ice inside cometary boulders. <i>Nature</i> , 2020, 586, 697-701.	27.8	40
16	Spectrophotometric characterization of the Philae landing site and surroundings with the Rosetta/OSIRIS cameras. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1221-1238.	4.4	3
17	Time evolution of dust deposits in the Hapi region of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2020, 636, A91.	5.1	13
18	OSIRIS-REx spectral analysis of (101955) Bennu by multivariate statistics. <i>Astronomy and Astrophysics</i> , 2020, 637, L4.	5.1	23

#	ARTICLE	IF	CITATIONS
19	Infrared detection of aliphatic organics on a cometary nucleus. <i>Nature Astronomy</i> , 2020, 4, 500-505.	10.1	41
20	Phase reddening on asteroid Bennu from visible and near-infrared spectroscopy. <i>Astronomy and Astrophysics</i> , 2020, 644, A142.	5.1	22
21	Weak spectral features on (101995) Bennu from the OSIRIS-REx Visible and InfraRed Spectrometer. <i>Astronomy and Astrophysics</i> , 2020, 644, A148.	5.1	22
22	Low Water Outgassing from (24) Themis and (65) Cybele: 3.1 μ m Near-IR Spectral Implications. <i>Astrophysical Journal Letters</i> , 2020, 898, L45.	8.3	6
23	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
24	Haumea's thermal emission revisited in the light of the occultation results. <i>Icarus</i> , 2019, 334, 39-51.	2.5	9
25	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. <i>Nature Communications</i> , 2019, 10, 1291.	12.8	99
26	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	10.1	251
27	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	10.1	188
28	Multidisciplinary analysis of the Hapi region located on Comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2139-2154.	4.4	9
29	Bilobate comet morphology and internal structure controlled by shear deformation. <i>Nature Geoscience</i> , 2019, 12, 157-162.	12.9	22
30	Pronounced morphological changes in a southern active zone on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A8.	5.1	7
31	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
32	Phase-curve analysis of comet 67P/Churyumov-Gerasimenko at small phase angles. <i>Astronomy and Astrophysics</i> , 2019, 630, A11.	5.1	1
33	Surface evolution of the Anhur region on comet 67P/Churyumov-Gerasimenko from high-resolution OSIRIS images. <i>Astronomy and Astrophysics</i> , 2019, 630, A13.	5.1	15
34	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
35	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
36	Quantitative analysis of isolated boulder fields on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A15.	5.1	4

#	ARTICLE	IF	CITATIONS
37	Linking surface morphology, composition, and activity on the nucleus of 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A7.	5.1	18
38	The Rocky-Like Behavior of Cometary Landslides on 67P/Churyumov-Gerasimenko. <i>Geophysical Research Letters</i> , 2019, 46, 14336-14346.	4.0	9
39	Small D-type asteroids in the NEO population: new targets for space missions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4481-4487.	4.4	18
40	The phase function and density of the dust observed at comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2835-2839.	4.4	20
41	On deviations from free-radial outflow in the inner coma of comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2018, 311, 1-22.	2.5	21
42	A spectroscopic survey of the small near-Earth asteroid population: Peculiar taxonomic distribution and phase reddening. <i>Planetary and Space Science</i> , 2018, 157, 82-95.	1.7	53
43	Olivine-rich asteroids in the near-Earth space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2786-2795.	4.4	10
44	Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2018, 301, 173-188.	2.5	33
45	Models of Rosetta/OSIRIS 67P Dust Coma Phase Function. <i>Astronomical Journal</i> , 2018, 156, 237.	4.7	20
46	“TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2018, 618, A136.	5.1	21
47	Tensile strength of 67P/Churyumov-Gerasimenko nucleus material from overhangs. <i>Astronomy and Astrophysics</i> , 2018, 611, A33.	5.1	40
48	Coma morphology of comet 67P controlled by insolation over irregular nucleus. <i>Nature Astronomy</i> , 2018, 2, 562-567.	10.1	19
49	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
50	Exposed bright features on the comet 67P/Churyumov-Gerasimenko: distribution and evolution. <i>Astronomy and Astrophysics</i> , 2018, 613, A36.	5.1	15
51	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
52	Opposition effect on comet 67P/Churyumov-Gerasimenko using Rosetta-OSIRIS images. <i>Astronomy and Astrophysics</i> , 2017, 599, A11.	5.1	11
53	Multivariate statistical analysis of OSIRIS/Rosetta spectrophotometric data of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 600, A115.	5.1	11
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. <i>Science</i> , 2017, 355, 1392-1395.	12.6	63
57	The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. <i>Nature Astronomy</i> , 2017, 1, .	10.1	100
58	Ion irradiation of carbonaceous chondrites: A new view of space weathering on primitive asteroids. <i>Icarus</i> , 2017, 285, 43-57.	2.5	136
59	The opposition effect of 67P/Churyumov-Gerasimenko on post-perihelion Rosetta images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S550-S567.	4.4	22
60	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
61	Bidirectional reflectance of laboratory cometary analogues to interpret the spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Planetary and Space Science</i> , 2017, 148, 1-11.	1.7	15
62	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
63	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
64	â€œTNOs are Coolâ€ A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2017, 604, A95.	5.1	9
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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.	4.4	8

#	ARTICLE	IF	CITATIONS
73	Refining the asteroid taxonomy by polarimetric observations. <i>Icarus</i> , 2017, 284, 30-42.	2.5	50
74	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
75	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.	4.4	40
76	Investigating the physical properties of outbursts on comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S731-S740.	4.4	23
77	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
78	Post-perihelion photometry of dust grains in the coma of 67P Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S195-S203.	4.4	17
79	The global meter-level shape model of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 607, L1.	5.1	107
80	The thermal emission of Centaurs and trans-Neptunian objects at millimeter wavelengths from ALMA observations. <i>Astronomy and Astrophysics</i> , 2017, 608, A45.	5.1	34
81	Long-term survival of surface water ice on comet 67P. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S582-S597.	4.4	24
82	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.	4.4	52
83	Geologic mapping of the Comet 67P/Churyumov-Gerasimenko's Northern hemisphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S352-S367.	4.4	27
84	The southern hemisphere of 67P/Churyumov-Gerasimenko: Analysis of the preperihelion size-frequency distribution of boulders ≥ 7 m. <i>Astronomy and Astrophysics</i> , 2016, 592, L2.	5.1	27
85	Sunset jets observed on comet 67P/Churyumov-Gerasimenko sustained by subsurface thermal lag. <i>Astronomy and Astrophysics</i> , 2016, 586, A7.	5.1	55
86	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
87	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
88	Sublimation of icy aggregates in the coma of comet 67P/Churyumov-Gerasimenko detected with the OSIRIS cameras on board Rosetta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S57-S66.	4.4	23
89	Summer fireworks on comet 67P. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S184-S194.	4.4	112
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	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
93	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
94	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
95	Possible interpretation of the precession of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 590, A46.	5.1	14
96	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
97	A plausible link between the asteroid 21 Lutetia and <i>CH</i> carbonaceous chondrites. <i>Meteoritics and Planetary Science</i> , 2016, 51, 1795-1812.	1.6	10
98	The long-wavelength thermal emission of the Pluto-Charon system from <i>Herschel</i> observations. Evidence for emissivity effects. <i>Astronomy and Astrophysics</i> , 2016, 588, A2.	5.1	21
99	Aswan site on comet 67P/Churyumov-Gerasimenko: Morphology, boulder evolution, and spectrophotometry. <i>Astronomy and Astrophysics</i> , 2016, 592, A69.	5.1	53
100	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
101	Photometry of dust grains of comet 67P and connection with nucleus regions. <i>Astronomy and Astrophysics</i> , 2016, 588, A59.	5.1	10
102	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
103	Refractory and semi-volatile organics at the surface of comet 67P/Churyumov-Gerasimenko: Insights from the VIRTIS/Rosetta imaging spectrometer. <i>Icarus</i> , 2016, 272, 32-47.	2.5	127
104	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
105	Spectral variability on primitive asteroids of the Themis and Beagle families: Space weathering effects or parent body heterogeneity?. <i>Icarus</i> , 2016, 269, 1-14.	2.5	35
106	The global surface composition of 67P/CG nucleus by Rosetta/VIRTIS. (I) Prelanding mission phase. <i>Icarus</i> , 2016, 274, 334-349.	2.5	54
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.	4.4	20
108	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

#	ARTICLE	IF	CITATIONS
109	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
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.	4.4	26
111	Rosetta's comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. <i>Science</i> , 2016, 354, 1566-1570.	12.6	97
112	Seasonal exposure of carbon dioxide ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2016, 354, 1563-1566.	12.6	61
113	CHANGES IN THE PHYSICAL ENVIRONMENT OF THE INNER COMA OF 67P/CHURYUMOV-GERASIMENKO WITH DECREASING HELIOCENTRIC DISTANCE. <i>Astronomical Journal</i> , 2016, 152, 130.	4.7	36
114	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.	4.4	15
115	Geomorphological mapping of comet 67P/Churyumov-Gerasimenko's Southern hemisphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S573-S592.	4.4	23
116	The primordial nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 592, A63.	5.1	159
117	Exposed water ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , 2016, 529, 368-372.	27.8	104
118	GRASPING THE NATURE OF POTENTIALLY HAZARDOUS ASTEROIDS. <i>Astronomical Journal</i> , 2016, 151, 11.	4.7	21
119	Asteroid (21) Lutetia: Disk-resolved photometric analysis of Baetica region. <i>Icarus</i> , 2016, 267, 135-153.	2.5	12
120	Variation of comet 67P/Churyumov-Gerasimenko in regions showing activity. <i>Astronomy and Astrophysics</i> , 2016, 586, A80.	5.1	43
121	Scientific assessment of the quality of OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A46.	5.1	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.	5.1	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.	5.1	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.	5.1	113
125	Photometric properties of comet 67P/Churyumov-Gerasimenko from VIRTIS-M onboard Rosetta. <i>Astronomy and Astrophysics</i> , 2015, 583, A31.	5.1	71
126	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

#	ARTICLE	IF	CITATIONS
127	Redistribution of particles across the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A17.	5.1	149
128	Insolation, erosion, and morphology of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A34.	5.1	173
129	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
130	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
131	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
132	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A26.	5.1	153
133	Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A35.	5.1	59
134	Size-frequency distribution of boulders ≈ 7 m on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A37.	5.1	108
135	Geomorphology and spectrophotometry of Philae's landing site on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A41.	5.1	41
136	Comet 67P/Churyumov-Gerasimenko: Constraints on its origin from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A44.	5.1	53
137	Temporal morphological changes in the Imhotep region of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A36.	5.1	60
138	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
139	Fractures on comet 67P/Churyumov-Gerasimenko observed by Rosetta/OSIRIS. <i>Geophysical Research Letters</i> , 2015, 42, 5170-5178.	4.0	71
140	Short-term variability on the surface of (1) Ceres. <i>Astronomy and Astrophysics</i> , 2015, 575, L1.	5.1	15
141	Orbital elements of the material surrounding comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A16.	5.1	23
142	Rotating dust particles in the coma of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A14.	5.1	26
143	Pre-hibernation performances of the OSIRIS cameras onboard the Rosetta spacecraft. <i>Astronomy and Astrophysics</i> , 2015, 574, A123.	5.1	14
144	The potentially hazardous Asteroid (214869) 2007 PA8: An unweathered L chondrite analog surface. <i>Icarus</i> , 2015, 250, 280-286.	2.5	14

#	ARTICLE	IF	CITATIONS
145	Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. <i>Science</i> , 2015, 347, aaa3905.	12.6	310
146	On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa1044.	12.6	366
147	The morphological diversity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0440.	12.6	259
148	The organic-rich surface of comet 67P/Churyumov-Gerasimenko as seen by VIRTIS/Rosetta. <i>Science</i> , 2015, 347, aaa0628.	12.6	293
149	Large heterogeneities in comet 67P as revealed by active pits from sinkhole collapse. <i>Nature</i> , 2015, 523, 63-66.	27.8	158
150	Two independent and primitive envelopes of the bilobate nucleus of comet 67P. <i>Nature</i> , 2015, 526, 402-405.	27.8	141
151	Search for satellites near comet 67P/Churyumov-Gerasimenko using Rosetta/OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A19.	5.1	13
152	Aqueous alteration on main belt primitive asteroids: Results from visible spectroscopy. <i>Icarus</i> , 2014, 233, 163-178.	2.5	75
153	THE ALBEDO-COLOR DIVERSITY OF TRANSNEPTUNIAN OBJECTS. <i>Astrophysical Journal Letters</i> , 2014, 793, L2.	8.3	88
154	The composition of M-type asteroids II: Synthesis of spectroscopic and radar observations. <i>Icarus</i> , 2014, 238, 37-50.	2.5	27
155	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
156	Low delta-V near-Earth asteroids: A survey of suitable targets for space missions. <i>Astronomy and Astrophysics</i> , 2014, 569, A59.	5.1	17
157	“TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2014, 564, A92.	5.1	50
158	TNOs are Cool: A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2013, 555, A15.	5.1	124
159	Ultraviolet to near-infrared spectroscopy of the potentially hazardous, low delta-V asteroid (175706) 1996 FG3. <i>Astronomy and Astrophysics</i> , 2013, 555, A62.	5.1	8
160	“TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2013, 557, A60.	5.1	109
161	Images of Asteroid 21 Lutetia: A Remnant Planetesimal from the Early Solar System. <i>Science</i> , 2011, 334, 487-490.	12.6	179
162	Spectroscopic survey of X-type asteroids. <i>Icarus</i> , 2011, 214, 131-146.	2.5	37

#	ARTICLE	IF	CITATIONS
163	“TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2010, 518, L147.	5.1	51
164	Search for Steins™ surface inhomogeneities from OSIRIS Rosetta images. <i>Planetary and Space Science</i> , 2010, 58, 1097-1106.	1.7	18
165	Titanium-bearing pyroxenes of some E asteroids: Coexisting of igneous and hydrated rocks. <i>Planetary and Space Science</i> , 2010, 58, 1400-1403.	1.7	13
166	A peculiar family of Jupiter Trojans: The Eurybates. <i>Icarus</i> , 2010, 209, 586-590.	2.5	23
167	Spectroscopic survey of M-type asteroids†. <i>Icarus</i> , 2010, 210, 655-673.	2.5	60
168	The composition of M-type asteroids: Synthesis of spectroscopic and radar observations. <i>Icarus</i> , 2010, 210, 674-692.	2.5	66
169	“TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2010, 518, L148.	5.1	60
170	Spectroscopy of B-type asteroids: Subgroups and meteorite analogs. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	77
171	E-Type Asteroid (2867) Steins as Imaged by OSIRIS on Board Rosetta. <i>Science</i> , 2010, 327, 190-193.	12.6	120
172	Puzzling asteroid 21 Lutetia: our knowledge prior to the Rosetta fly-by. <i>Astronomy and Astrophysics</i> , 2010, 515, A29.	5.1	44
173	TNOs are Cool: A Survey of the Transneptunian Region. <i>Earth, Moon and Planets</i> , 2009, 105, 209-219.	0.6	55
174	Polarimetry and BVRI photometry of the potentially hazardous near-Earth Asteroid (23187) 2000 PN9. <i>Icarus</i> , 2009, 201, 167-171.	2.5	13
175	Visible spectroscopy of the new ESO large programme on trans-Neptunian objects and Centaurs: final results. <i>Astronomy and Astrophysics</i> , 2009, 508, 457-465.	5.1	52
176	Photometric and spectroscopic investigation of 2867 Steins, target of the Rosetta mission. <i>Astronomy and Astrophysics</i> , 2009, 494, L29-L32.	5.1	14
177	Visible and near infrared spectroscopic investigation of E-type asteroids, including 2867 Steins, a target of the Rosetta mission†. <i>Icarus</i> , 2008, 196, 119-134.	2.5	42
178	Visible spectroscopy of the new ESO large program on trans-Neptunian objects and Centaurs. <i>Astronomy and Astrophysics</i> , 2008, 487, 741-748.	5.1	34
179	Determination of the light curve of the Rosetta target asteroid (2867) Steins by the OSIRIS cameras onboard Rosetta. <i>Astronomy and Astrophysics</i> , 2007, 462, L13-L16.	5.1	26
180	Visible spectroscopic and photometric survey of Jupiter Trojans: Final results on dynamical families†. <i>Icarus</i> , 2007, 190, 622-642.	2.5	86

#	ARTICLE	IF	CITATIONS
181	Physical investigation of the potentially hazardous Asteroid (144898) 2004 VD17. <i>Icarus</i> , 2007, 191, 628-635.	2.5	22
182	OSIRIS – The Scientific Camera System Onboard Rosetta. <i>Space Science Reviews</i> , 2007, 128, 433-506.	8.1	286
183	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
184	Polarimetric survey of asteroids with the Asiago telescope. <i>Astronomy and Astrophysics</i> , 2006, 455, 371-377.	5.1	32
185	The surface composition of Jupiter Trojans: Visible and near-infrared survey of dynamical families. <i>Icarus</i> , 2006, 183, 420-434.	2.5	45
186	A large dust/ice ratio in the nucleus of comet 9P/Tempel 1. <i>Nature</i> , 2005, 437, 987-990.	27.8	141
187	The F-type asteroids with small inversion angles of polarization. <i>Icarus</i> , 2005, 178, 213-221.	2.5	64
188	ESO Large Program on physical studies of Trans-Neptunian objects and Centaurs: Final results of the visible spectrophotometric observations. <i>Astronomy and Astrophysics</i> , 2004, 421, 353-363.	5.1	60
189	Near-IR spectroscopy of asteroids , , and , potential targets for the Rosetta mission; remote observations campaign on IRTF. <i>New Astronomy</i> , 2004, 9, 343-351.	1.8	47
190	Visible spectroscopic and photometric survey of L5 Trojans: investigation of dynamical families. <i>Icarus</i> , 2004, 172, 221-232.	2.5	41
191	Spectral observations for near-Earth objects including potential target 4660 Nereus : Results from Meudon remote observations at the NASA Infrared Telescope Facility (IRTF). <i>Planetary and Space Science</i> , 2004, 52, 291-296.	1.7	34
192	Aqueous altered silicates at the surface of two Plutinos?. <i>Astronomy and Astrophysics</i> , 2004, 416, 791-798.	5.1	42
193	Water ice on the surface of the large TNO 2004 DW. <i>Astronomy and Astrophysics</i> , 2004, 422, L43-L46.	5.1	48
194	E-Type Asteroids: Spectroscopic Investigation on the 0.514µm Absorption Band. <i>Icarus</i> , 2001, 152, 127-133.	2.5	28
195	Spectroscopic comparison of aqueous altered asteroids with CM2 carbonaceous chondrite meteorites. <i>Astronomy and Astrophysics</i> , 1999, 135, 65-73.	2.1	43
196	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
197	Search for carbon-bearing compounds on low-albedo asteroids. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	0