

Sonia Fornasier

List of Publications by Year in descending order

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197
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| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa1044. | 12.6 | 366 |
| 2 | Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. <i>Science</i> , 2015, 347, aaa3905. | 12.6 | 310 |
| 3 | The organic-rich surface of comet 67P/Churyumov-Gerasimenko as seen by VIRTIS/Rosetta. <i>Science</i> , 2015, 347, aaa0628. | 12.6 | 293 |
| 4 | OSIRIS – The Scientific Camera System Onboard Rosetta. <i>Space Science Reviews</i> , 2007, 128, 433-506. | 8.1 | 286 |
| 5 | The morphological diversity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0440. | 12.6 | 259 |
| 6 | 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 |
| 7 | Evidence for widespread hydrated minerals on asteroid (101955) Benu. <i>Nature Astronomy</i> , 2019, 3, 332-340. | 10.1 | 251 |
| 8 | 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 |
| 9 | 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 |
| 10 | Properties of rubble-pile asteroid (101955) Benu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351. | 10.1 | 188 |
| 11 | Images of Asteroid 21 Lutetia: A Remnant Planetesimal from the Early Solar System. <i>Science</i> , 2011, 334, 487-490. | 12.6 | 179 |
| 12 | Insolation, erosion, and morphology of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A34. | 5.1 | 173 |
| 13 | The primordial nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 592, A63. | 5.1 | 159 |
| 14 | Large heterogeneities in comet 67P as revealed by active pits from sinkhole collapse. <i>Nature</i> , 2015, 523, 63-66. | 27.8 | 158 |
| 15 | 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 |
| 16 | Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images. <i>Astronomy and Astrophysics</i> , 2015, 583, A26. | 5.1 | 153 |
| 17 | Redistribution of particles across the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A17. | 5.1 | 149 |
| 18 | A large dust/ice ratio in the nucleus of comet 9P/Tempel 1. <i>Nature</i> , 2005, 437, 987-990. | 27.8 | 141 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Two independent and primitive envelopes of the bilobate nucleus of comet 67P. <i>Nature</i> , 2015, 526, 402-405. | 27.8 | 141 |
| 20 | Ion irradiation of carbonaceous chondrites: A new view of space weathering on primitive asteroids. <i>Icarus</i> , 2017, 285, 43-57. | 2.5 | 136 |
| 21 | 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 |
| 22 | TNOs are Cool: A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2013, 555, A15. | 5.1 | 124 |
| 23 | E-Type Asteroid (2867) Steins as Imaged by OSIRIS on Board Rosetta. <i>Science</i> , 2010, 327, 190-193. | 12.6 | 120 |
| 24 | 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 |
| 25 | Summer fireworks on comet 67P. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S184-S194. | 4.4 | 112 |
| 26 | Seasonal mass transfer on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S357-S371. | 4.4 | 111 |
| 27 | “TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2013, 557, A60. | 5.1 | 109 |
| 28 | Size-frequency distribution of boulders ≥ 7 m on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A37. | 5.1 | 108 |
| 29 | The global meter-level shape model of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 607, L1. | 5.1 | 107 |
| 30 | Exposed water ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , 2016, 529, 368-372. | 27.8 | 104 |
| 31 | 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 |
| 32 | The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. <i>Nature Astronomy</i> , 2017, 1, . | 10.1 | 100 |
| 33 | The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. <i>Nature Communications</i> , 2019, 10, 1291. | 12.8 | 99 |
| 34 | 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 |
| 35 | 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 |
| 36 | THE ALBEDO-COLOR DIVERSITY OF TRANSNEPTUNIAN OBJECTS. <i>Astrophysical Journal Letters</i> , 2014, 793, L2. | 8.3 | 88 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Visible spectroscopic and photometric survey of Jupiter Trojans: Final results on dynamical familiesâ†. Icarus, 2007, 190, 622-642. | 2.5 | 86 |
| 38 | Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere. Astronomy and Astrophysics, 2016, 593, A110. | 5.1 | 86 |
| 39 | Variations in color and reflectance on the surface of asteroid (101955) Bennu. Science, 2020, 370, . | 12.6 | 84 |
| 40 | The rotation state of 67P/Churyumov-Gerasimenko from approach observations with the OSIRIS cameras on Rosetta. Astronomy and Astrophysics, 2014, 569, L2. | 5.1 | 81 |
| 41 | Spectroscopy of Bâ€type asteroids: Subgroups and meteorite analogs. Journal of Geophysical Research, 2010, 115, . | 3.3 | 77 |
| 42 | Aqueous alteration on main belt primitive asteroids: Results from visible spectroscopy. Icarus, 2014, 233, 163-178. | 2.5 | 75 |
| 43 | Photometric properties of comet 67P/Churyumov-Gerasimenko from VIRTIS-M onboard Rosetta. Astronomy and Astrophysics, 2015, 583, A31. | 5.1 | 71 |
| 44 | Fractures on comet 67P/Churyumovâ€Gerasimenko observed by Rosetta/OSIRIS. Geophysical Research Letters, 2015, 42, 5170-5178. | 4.0 | 71 |
| 45 | Scientific assessment of the quality of OSIRIS images. Astronomy and Astrophysics, 2015, 583, A46. | 5.1 | 67 |
| 46 | Detection of exposed H₂O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 595, A102. | 5.1 | 67 |
| 47 | The composition of M-type asteroids: Synthesis of spectroscopic and radar observations. Icarus, 2010, 210, 674-692. | 2.5 | 66 |
| 48 | The F-type asteroids with small inversion angles of polarization. Icarus, 2005, 178, 213-221. | 2.5 | 64 |
| 49 | Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. Science, 2017, 355, 1392-1395. | 12.6 | 63 |
| 50 | Seasonal exposure of carbon dioxide ice on the nucleus of comet 67P/Churyumov-Gerasimenko. Science, 2016, 354, 1563-1566. | 12.6 | 61 |
| 51 | ESO Large Program on physical studies of Trans-Neptunian objects and Centaurs: Final results of the visible spectrophotometric observations. Astronomy and Astrophysics, 2004, 421, 353-363. | 5.1 | 60 |
| 52 | Spectroscopic survey of M-type asteroidsâ†. Icarus, 2010, 210, 655-673. | 2.5 | 60 |
| 53 | â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2010, 518, L148. | 5.1 | 60 |
| 54 | 67P/Churyumov-Gerasimenko: Activity between March and June 2014 as observed from Rosetta/OSIRIS. Astronomy and Astrophysics, 2015, 573, A62. | 5.1 | 60 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Temporal morphological changes in the Imhotep region of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A36. | 5.1 | 60 |
| 56 | 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 |
| 57 | Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A35. | 5.1 | 59 |
| 58 | Exogenic basalt on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2021, 5, 31-38. | 10.1 | 57 |
| 59 | TNOs are Cool: A Survey of the Transneptunian Region. <i>Earth, Moon and Planets</i> , 2009, 105, 209-219. | 0.6 | 55 |
| 60 | Sunset jets observed on comet 67P/Churyumov-Gerasimenko sustained by subsurface thermal lag. <i>Astronomy and Astrophysics</i> , 2016, 586, A7. | 5.1 | 55 |
| 61 | 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 |
| 62 | Comet 67P/Churyumov-Gerasimenko: Constraints on its origin from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A44. | 5.1 | 53 |
| 63 | Aswan site on comet 67P/Churyumov-Gerasimenko: Morphology, boulder evolution, and spectrophotometry. <i>Astronomy and Astrophysics</i> , 2016, 592, A69. | 5.1 | 53 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | “TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2010, 518, L147. | 5.1 | 51 |
| 68 | Refining the asteroid taxonomy by polarimetric observations. <i>Icarus</i> , 2017, 284, 30-42. | 2.5 | 50 |
| 69 | “TNOs are Cool” A survey of the trans-Neptunian region. <i>Astronomy and Astrophysics</i> , 2014, 564, A92. | 5.1 | 50 |
| 70 | Water ice on the surface of the large TNO 2004 DW. <i>Astronomy and Astrophysics</i> , 2004, 422, L43-L46. | 5.1 | 48 |
| 71 | 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 |
| 72 | The surface composition of Jupiter Trojans: Visible and near-infrared survey of dynamical families. <i>Icarus</i> , 2006, 183, 420-434. | 2.5 | 45 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | 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 |
| 74 | The scattering phase function of comet 67P/Churyumov-Gerasimenko coma as seen from the Rosetta/OSIRIS instrument. Monthly Notices of the Royal Astronomical Society, 2017, 469, S404-S415. | 4.4 | 44 |
| 75 | Puzzling asteroid 21 Lutetia: our knowledge prior to the Rosetta fly-by. Astronomy and Astrophysics, 2010, 515, A29. | 5.1 | 44 |
| 76 | 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 |
| 77 | Dust mass distribution around comet 67P/Churyumov-Gerasimenko determined via parallax measurements using Rosetta's OSIRIS cameras. Monthly Notices of the Royal Astronomical Society, 2017, 469, S276-S284. | 4.4 | 43 |
| 78 | Variation of comet 67P/Churyumov-Gerasimenko in regions showing activity. Astronomy and Astrophysics, 2016, 586, A80. | 5.1 | 43 |
| 79 | Spectroscopic comparison of aqueous altered asteroids with CM2 carbonaceous chondrite meteorites. Astronomy and Astrophysics, 1999, 135, 65-73. | 2.1 | 43 |
| 80 | Visible and near infrared spectroscopic investigation of E-type asteroids, including 2867 Steins, a target of the Rosetta mission. Icarus, 2008, 196, 119-134. | 2.5 | 42 |
| 81 | Aqueous altered silicates at the surface of two Plutinos?. Astronomy and Astrophysics, 2004, 416, 791-798. | 5.1 | 42 |
| 82 | Visible spectroscopic and photometric survey of L5 Trojans: investigation of dynamical families. Icarus, 2004, 172, 221-232. | 2.5 | 41 |
| 83 | Geomorphology and spectrophotometry of Philae's landing site on comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A41. | 5.1 | 41 |
| 84 | Infrared detection of aliphatic organics on a cometary nucleus. Nature Astronomy, 2020, 4, 500-505. | 10.1 | 41 |
| 85 | The pebbles/boulders size distributions on Sais: Rosetta's final landing site on comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S636-S645. | 4.4 | 40 |
| 86 | Tensile strength of 67P/Churyumov-Gerasimenko nucleus material from overhangs. Astronomy and Astrophysics, 2018, 611, A33. | 5.1 | 40 |
| 87 | The Philae lander reveals low-strength primitive ice inside cometary boulders. Nature, 2020, 586, 697-701. | 27.8 | 40 |
| 88 | 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 |
| 89 | 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 |
| 90 | 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 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Spectroscopic survey of X-type asteroids. <i>Icarus</i> , 2011, 214, 131-146. | 2.5 | 37 |
| 92 | 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 |
| 93 | 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 |
| 94 | 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 |
| 95 | 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 |
| 96 | Gas outflow and dust transport of comet 67P/Churyumovâ€™Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S533-S546. | 4.4 | 34 |
| 97 | 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 |
| 98 | 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 |
| 99 | 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 |
| 100 | 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 |
| 101 | Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2018, 301, 173-188. | 2.5 | 33 |
| 102 | Polarimetric survey of asteroids with the Asiago telescope. <i>Astronomy and Astrophysics</i> , 2006, 455, 371-377. | 5.1 | 32 |
| 103 | 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 |
| 104 | The highly active Anhurâ€™Bes regions in the 67P/Churyumovâ€™Gerasimenko comet: results from OSIRIS/ROSETTA observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S93-S107. | 4.4 | 30 |
| 105 | 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 |
| 106 | Disk-resolved photometric modeling and properties of asteroid (101955) Bennu. <i>Icarus</i> , 2021, 357, 113724. | 2.5 | 29 |
| 107 | E-Type Asteroids: Spectroscopic Investigation on the 0.5Î¼m Absorption Band. <i>Icarus</i> , 2001, 152, 127-133. | 2.5 | 28 |
| 108 | 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 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | The composition of M-type asteroids II: Synthesis of spectroscopic and radar observations. <i>Icarus</i> , 2014, 238, 37-50. | 2.5 | 27 |
| 110 | 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 |
| 111 | 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 |
| 112 | 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 |
| 113 | Rotating dust particles in the coma of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A14. | 5.1 | 26 |
| 114 | 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 |
| 115 | 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 |
| 116 | Photometry of asteroid (101955) Bennu with OVIRS on OSIRIS-REx. <i>Icarus</i> , 2021, 358, 114183. | 2.5 | 25 |
| 117 | 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 |
| 118 | A peculiar family of Jupiter Trojans: The Eurybates. <i>Icarus</i> , 2010, 209, 586-590. | 2.5 | 23 |
| 119 | Orbital elements of the material surrounding comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A16. | 5.1 | 23 |
| 120 | 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 |
| 121 | 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 |
| 122 | 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 |
| 123 | OSIRIS-REx spectral analysis of (101955) Bennu by multivariate statistics. <i>Astronomy and Astrophysics</i> , 2020, 637, L4. | 5.1 | 23 |
| 124 | Physical investigation of the potentially hazardous Asteroid (144898) 2004 VD17. <i>Icarus</i> , 2007, 191, 628-635. | 2.5 | 22 |
| 125 | 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 |
| 126 | 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 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 127 | 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 |
| 128 | Bilobate comet morphology and internal structure controlled by shear deformation. Nature Geoscience, 2019, 12, 157-162. | 12.9 | 22 |
| 129 | Phase reddening on asteroid Bennu from visible and near-infrared spectroscopy. Astronomy and Astrophysics, 2020, 644, A142. | 5.1 | 22 |
| 130 | Weak spectral features on (101995) Bennu from the OSIRIS-REx Visible and InfraRed Spectrometer. Astronomy and Astrophysics, 2020, 644, A148. | 5.1 | 22 |
| 131 | The long-wavelength thermal emission of the Pluto-Charon system from <i>Herschel</i> observations. Evidence for emissivity effects. Astronomy and Astrophysics, 2016, 588, A2. | 5.1 | 21 |
| 132 | GRASPING THE NATURE OF POTENTIALLY HAZARDOUS ASTEROIDS. Astronomical Journal, 2016, 151, 11. | 4.7 | 21 |
| 133 | On deviations from free-radial outflow in the inner coma of comet 67P/Churyumov-Gerasimenko. Icarus, 2018, 311, 1-22. | 2.5 | 21 |
| 134 | “TNOs are Cool” A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2018, 618, A136. | 5.1 | 21 |
| 135 | Spectrophotometry of the Khonsu region on the comet 67P/Churyumov-Gerasimenko using OSIRIS instrument images. Monthly Notices of the Royal Astronomical Society, 2016, 462, S274-S286. | 4.4 | 20 |
| 136 | The phase function and density of the dust observed at comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2835-2839. | 4.4 | 20 |
| 137 | Models of Rosetta/OSIRIS 67P Dust Coma Phase Function. Astronomical Journal, 2018, 156, 237. | 4.7 | 20 |
| 138 | Macro and micro structures of pebble-made cometary nuclei reconciled by seasonal evolution. Nature Astronomy, 2022, 6, 546-553. | 10.1 | 20 |
| 139 | Coma morphology of comet 67P controlled by insolation over irregular nucleus. Nature Astronomy, 2018, 2, 562-567. | 10.1 | 19 |
| 140 | Hydrogen abundance estimation and distribution on (101955) Bennu. Icarus, 2021, 363, 114427. | 2.5 | 19 |
| 141 | Search for Steins™ surface inhomogeneities from OSIRIS Rosetta images. Planetary and Space Science, 2010, 58, 1097-1106. | 1.7 | 18 |
| 142 | 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 |
| 143 | Small D-type asteroids in the NEO population: new targets for space missions. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4481-4487. | 4.4 | 18 |
| 144 | Linking surface morphology, composition, and activity on the nucleus of 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A7. | 5.1 | 18 |

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