

Ludmilla Kolokolova

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

362
citations

1163117

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16
docs citations

16
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488
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Detection of circular polarization in light scattered from photosynthetic microbes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7816-7821. | 7.1 | 123 |
| 2 | A distribution of large particles in the coma of Comet 103P/Hartley 2. Icarus, 2013, 222, 634-652. | 2.5 | 112 |
| 3 | Circular polarization in comets: Observations of Comet C/1999 S4 (LINEAR) and tentative interpretation. Icarus, 2007, 186, 317-330. | 2.5 | 38 |
| 4 | Characterization and remote sensing of biological particles using circular polarization. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 131, 59-65. | 2.3 | 20 |
| 5 | Modeling variations in near-infrared spectra caused by the coherent backscattering effect. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 2175-2181. | 2.3 | 13 |
| 6 | Polarimetric technique to study (pre)biological organics in cosmic dust and planetary aerosols. Earth, Planets and Space, 2013, 65, 1167-1173. | 2.5 | 12 |
| 7 | Space-based Coronagraphic Imaging Polarimetry of the TW Hydrae Disk: Shedding New Light on Self-shadowing Effects. Astrophysical Journal, 2018, 860, 115. | 4.5 | 11 |
| 8 | Coherent backscattering effect in spectra of icy satellites and its modeling using multi-sphere T-matrix (MSTM) code for layers of particles. Planetary and Space Science, 2017, 149, 23-31. | 1.7 | 9 |
| 9 | Comparative analysis of polarimetric signatures of aligned and optically active (‘‘homochiral’’) dust particles. Planetary and Space Science, 2014, 100, 57-63. | 1.7 | 6 |
| 10 | VLT spectropolarimetry of comet 67P: dust environment around the end of its intense southern summer. Astronomy and Astrophysics, 2022, 657, A40. | 5.1 | 5 |
| 11 | Spectral Modeling Using Radiative Transfer Theory with Packing Density Correction: Demonstration for Saturnian Icy Satellites. Planetary Science Journal, 2020, 1, 74. | 3.6 | 4 |
| 12 | An update of the correlation between polarimetric and thermal properties of cometary dust. Astronomy and Astrophysics, 2021, 650, L7. | 5.1 | 3 |
| 13 | New Polarimetric Data for the Galilean Satellites: Europa Observations and Modeling. Planetary Science Journal, 2022, 3, 134. | 3.6 | 3 |
| 14 | Dust Evolution in the Coma of Distant, Inbound Comet C/2017 K2 (PANSTARRS). Planetary Science Journal, 2022, 3, 135. | 3.6 | 2 |
| 15 | Cosmic Dust VI. Planetary and Space Science, 2014, 100, 1-5. | 1.7 | 1 |