

Irina N Belskaya

List of Publications by Year in descending order

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71
papers

2,185
citations

186265

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233421

45
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74
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74
docs citations

74
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Opposition Effect of Asteroids. <i>Icarus</i> , 2000, 147, 94-105.	2.5	155
2	A three-parameter magnitude phase function for asteroids. <i>Icarus</i> , 2010, 209, 542-555.	2.5	147
3	Reopening the TNOs color controversy: Centaurs bimodality and TNOs unimodality. <i>Astronomy and Astrophysics</i> , 2003, 410, L29-L32.	5.1	86
4	Asteroid target selection for the new Rosetta mission baseline. <i>Astronomy and Astrophysics</i> , 2005, 430, 313-317.	5.1	84
5	New insights on ices in Centaur and Transneptunian populations. <i>Icarus</i> , 2011, 214, 297-307.	2.5	82
6	ESO large program on Centaurs and TNOs: visible colors – final results. <i>Icarus</i> , 2004, 170, 153-166.	2.5	81
7	Taxonomy of Centaurs and Trans-Neptunian Objects. <i>Astronomical Journal</i> , 2005, 130, 1291-1298.	4.7	77
8	The F-type asteroids with small inversion angles of polarization. <i>Icarus</i> , 2005, 178, 213-221.	2.5	64
9	The strange polarimetric behavior of Asteroid (234) Barbara. <i>Icarus</i> , 2006, 180, 565-567.	2.5	61
10	The Near-Earth Objects Follow-up Program IV. CCD Photometry in 1996–1999. <i>Icarus</i> , 2002, 158, 294-304.	2.5	53
11	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
12	Refining the asteroid taxonomy by polarimetric observations. <i>Icarus</i> , 2017, 284, 30-42.	2.5	50
13	Photometry and models of eight near-Earth asteroids. <i>Icarus</i> , 2004, 167, 178-196.	2.5	49
14	Exploration of the Kuiper Belt by High-Precision Photometric Stellar Occultations: First Results. <i>Astronomical Journal</i> , 2006, 132, 819-822.	4.7	49
15	Asteroid observations at low phase angles. IV. Average parameters for the new H, G1, G2 magnitude system. <i>Planetary and Space Science</i> , 2016, 123, 101-116.	1.7	49
16	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
17	On the surface composition of the M-type asteroids. <i>Icarus</i> , 1989, 78, 395-401.	2.5	44
18	Puzzling asteroid 21 Lutetia: our knowledge prior to the Rosetta fly-by. <i>Astronomy and Astrophysics</i> , 2010, 515, A29.	5.1	44

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19	Exploring the surface properties of transneptunian objects and Centaurs with polarimetric FORS1/MLT observations. <i>Astronomy and Astrophysics</i> , 2006, 450, 1239-1248.	5.1	41
20	Opposition polarimetry and photometry of S- and E-type asteroids. <i>Icarus</i> , 2003, 166, 276-284.	2.5	40
21	First albedo determination of 2867 Steins, target of the Rosetta mission. <i>Astronomy and Astrophysics</i> , 2006, 449, L9-L12.	5.1	39
22	Asteroid photometric and polarimetric phase curves: Joint linear-exponential modeling. <i>Meteoritics and Planetary Science</i> , 2009, 44, 1937-1946.	1.6	38
23	Polarimetry of Centaurs (2060) Chiron, (5145) Pholus and (10199) Chariklo. <i>Icarus</i> , 2010, 210, 472-479.	2.5	38
24	Polarimetry of main belt asteroids: Wavelength dependence. <i>Icarus</i> , 2009, 199, 97-105.	2.5	37
25	Polarimetric survey of asteroids with the Asiago telescope. <i>Astronomy and Astrophysics</i> , 2006, 455, 371-377.	5.1	32
26	Asteroid polarimetric observations using the Torino UBVRi photopolarimeter. <i>Icarus</i> , 2005, 179, 304-324.	2.5	31
27	Opposition effect of Trojan asteroids. <i>Icarus</i> , 2012, 217, 202-208.	2.5	31
28	Physical properties of M class asteroids. <i>Planetary and Space Science</i> , 1996, 44, 783-794.	1.7	29
29	Overview of Lutetia's surface composition. <i>Planetary and Space Science</i> , 2012, 66, 23-30.	1.7	29
30	UV to far-IR reflectance spectra of carbonaceous chondrites – I. Implications for remote characterization of dark primitive asteroids targeted by sample-return missions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 227-240.	4.4	26
31	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
32	The phase-polarization curve of asteroid (3200) Phaethon. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 3498-3508.	4.4	25
33	Photometry of particulate surfaces at extremely small phase angles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 106, 455-463.	2.3	24
34	Discovery of two distinct polarimetric behaviours of trans-Neptunian objects. <i>Astronomy and Astrophysics</i> , 2008, 491, L33-L36.	5.1	24
35	Asteroid observations at low phase angles III. Brightness behavior of dark asteroids. <i>Icarus</i> , 2008, 196, 601-611.	2.5	23
36	Unusual polarimetric properties of (101955) Bennu: similarities with F-class asteroids and cometary bodies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 481, L49-L53.	3.3	23

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37	Physical investigation of the potentially hazardous Asteroid (144898) 2004 VD17. <i>Icarus</i> , 2007, 191, 628-635.	2.5	22
38	Polarimetry of small bodies of the solar system with large telescopes. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 2059-2067.	2.3	22
39	Rotational variation of the linear polarization of the asteroid (3200) Phaethon as evidence for inhomogeneity in its surface properties. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 480, L131-L135.	3.3	21
40	Dust Phenomena Relating to Airless Bodies. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	21
41	Low phase angle effects in photometry of trans-neptunian objects: 20000 Varuna and 19308 (1996 TO66). <i>Icarus</i> , 2006, 184, 277-284.	2.5	19
42	Search for Steinsâ€™ surface inhomogeneities from OSIRIS Rosetta images. <i>Planetary and Space Science</i> , 2010, 58, 1097-1106.	1.7	18
43	Asteroids. , 2015, , 360-378.		18
44	Asteroid Observations at Low Phase Angles II. 5 Astraea, 75 Eurydike, 77 Frigga, 105 Artemis, 119 Althaea, 124 Alkeste, and 201 Penelope. <i>Icarus</i> , 2002, 155, 365-374.	2.5	16
45	Opposition Effect of Kuiper Belt Objects: preliminary estimations. <i>Earth, Moon and Planets</i> , 2003, 92, 201-206.	0.6	16
46	The Dawn exploration of (4) Vesta as the "ground truth" to interpret asteroid polarimetry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 248-262.	4.4	15
47	The potentially hazardous Asteroid (214869) 2007 PA8: An unweathered L chondrite analog surface. <i>Icarus</i> , 2015, 250, 280-286.	2.5	14
48	Polarimetry of the dwarf planet (136199) Eris. <i>Astronomy and Astrophysics</i> , 2008, 479, 265-269.	5.1	14
49	Photometric and spectroscopic investigation of 2867 Steins, target of the Rosetta mission. <i>Astronomy and Astrophysics</i> , 2009, 494, L29-L32.	5.1	14
50	Polarimetry and BVRI photometry of the potentially hazardous near-Earth Asteroid (23187) 2000 PN9. <i>Icarus</i> , 2009, 201, 167-171.	2.5	13
51	Polarimetry of trans-Neptunian objects (136472) Makemake and (90482) Orcus. <i>Astronomy and Astrophysics</i> , 2012, 547, A101.	5.1	13
52	A photometric function of planetary surfaces for gourmets. <i>Icarus</i> , 2018, 302, 213-236.	2.5	13
53	Jupiterâ€™s Trojans: Physical properties and origin. <i>Solar System Research</i> , 2014, 48, 139-157.	0.7	12
54	Olivine-rich asteroids in the near-Earth space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2786-2795.	4.4	10

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55	Rotation and photometric properties of E-type asteroids. <i>Planetary and Space Science</i> , 2003, 51, 525-532.	1.7	9
56	Phase integral of asteroids. <i>Astronomy and Astrophysics</i> , 2019, 626, A87.	5.1	9
57	Long-term photometric monitoring of the dwarf planet (136472) Makemake. <i>Astronomy and Astrophysics</i> , 2019, 625, A46.	5.1	9
58	Broadband linear polarization of Jupiter Trojans. <i>Astronomy and Astrophysics</i> , 2016, 585, A122.	5.1	8
59	The very homogeneous surface of the dwarf planet Makemake. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3594-3599.	4.4	8
60	Updated taxonomy of trans-neptunian objects and centaurs: Influence of albedo. <i>Icarus</i> , 2015, 250, 482-491.	2.5	7
61	Revised albedos of Trojan asteroids (911) Agamemnon and (4709) Ennomos. <i>Meteoritics and Planetary Science</i> , 2014, 49, 103-108.	1.6	4
62	Polarimetry of small bodies and satellites of our Solar System. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	4
63	Kharkiv study of near-Earth asteroids. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 385-390.	0.0	1
64	Surface properties of icy transneptunian objects from the second ESO large program. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 186-191.	0.0	1
65	DIVISION F COMMISSION 15: PHYSICAL STUDY OF COMETS AND MINOR PLANETS. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 316-339.	0.0	1
66	Transneptunian objects and Centaurs. , 0, , 405-418.		1
67	Optical Polarimetry of Small Solar System Bodies: From Asteroids to Debris Disks. <i>Astrophysics and Space Science Library</i> , 2019, , 223-246.	2.7	1
68	The EUNEASO Project: A European NEO Search, Follow-up, and Physical Observation Programme. <i>Annals of the New York Academy of Sciences</i> , 1997, 822, 27-28.	3.8	0
69	DIVISION III: COMMISSION 15: PHYSICAL STUDIES OF COMETS AND MINOR PLANETS. <i>Proceedings of the International Astronomical Union</i> , 2013, 10, 115-119.	0.0	0
70	Photometric observations of 9 Transneptunian objects and Centaurs. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	0
71	Evidences of asymmetry in properties of L4 & L5 Jupiter Trojans. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 345-346.	0.0	0