Igor E Molotov

List of Publications by Year
in descending order

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54 papers	893 citations	394421 19 h-index	477307 29 g-index
54 all docs	54 docs citations	54 times ranked	1280 citing authors

#	Article	IF	Citations
1	Binary asteroid population. 3. Secondary rotations and elongations. Icarus, 2016, 267, 267-295.	2.5	76
2	Repetitive patterns in rapid optical variations in the nearby black-hole binary V404 Cygni. Nature, 2016, 529, 54-58.	27.8	71
3	A trio of gamma-ray burst supernovae:. Astronomy and Astrophysics, 2014, 568, A19.	5.1	62
4	Asteroid pairs: A complex picture. Icarus, 2019, 333, 429-463.	2.5	47
5	International scientific optical network for space debris research. Advances in Space Research, 2008, 41, 1022-1028.	2.6	46
6	Radar and photometric observations and shape modeling of contact binary near-Earth Asteroid (8567) 1996 HW1. Icarus, 2011, 214, 210-227.	2.5	46
7	New photometric observations of asteroids (1862)ÂApollo and (25143)ÂItokawa â€“ an analysis of YORP effect. Astronomy and Astrophysics, 2008, 488, 345-350.	5.1	45
8	Analysis of the rotation period of asteroids (1865)ÂCerberus, (2100)ÂRa-Shalom, and (3103)ÂEger â€“ search for the YORP effect. Astronomy and Astrophysics, 2012, 547, A10.	5.1	43
9	Asteroid clusters similar to asteroid pairs. Icarus, 2018, 304, 110-126.	2.5	43
10	Physical modeling of triple near-Earth Asteroid (153591) 2001 SN263 from radar and optical light curve observations. Icarus, 2015, 248, 499-515.	2.5	39
11	The binary near-Earth Asteroid (175706) 1996 FG3 â€” An observational constraint on its orbital evolution. Icarus, 2015, 245, 56-63.	2.5	35
12	Binary asteroid population. 2. Anisotropic distribution of orbit poles of small, inner main-belt binaries. Icarus, 2012, 218, 125-143.	2.5	33
13	Opposition effect of Trojan asteroids. Icarus, 2012, 217, 202-208.	2.5	31
14	Datura family: the 2009 update. Astronomy and Astrophysics, 2009, 507, 495-504.	5.1	27
15	YORP and Yarkovsky effects in asteroids (1685) Toro, (2100) Ra-Shalom, (3103) Eger, and (161989) Cacus. Astronomy and Astrophysics, 2018, 609, A86.	5.1	26
16	SPIN VECTOR AND SHAPE OF (6070) RHEINLAND AND THEIR IMPLICATIONS. Astronomical Journal, 2011, 142, 159.	4.7	23
17	A multiwavelength analysis of a collection of short-duration GRBs observed between 2012 and 2015. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5294-5318.	4.4	22
18	Detailed Analysis of the Asteroid Pair (6070) Rheinland and (54827) 2001 NQ8. Astronomical Journal, 2017, 153, 270.	4.7	21

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19	Imaging polarimetry and photometry of comet 21P/Giacobini-Zinner. Icarus, 2020, 337, 113471.	2.5	21
20	A satellite orbit drift in binary near-Earth asteroids (66391) 1999 KW4 and (88710) 2001 SL9 â€" Indication of the BYORP effect. Icarus, 2021, 360, 114321.	2.5	21
21	A concept of a space hazard counteraction system: Astronomical aspects. Solar System Research, 2013, 47, 302-314.	0.7	15
22	Monitoring polarization in comet 46P/Wirtanen. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1814-1825.	4.4	12
23	The astrometricGaia-FUN-SSO observation campaign of 99942 Apophis. Astronomy and Astrophysics, 2015, 583, A59.	5.1	11
24	THE SCHULHOF FAMILY: SOLVING THE AGE PUZZLE. Astronomical Journal, 2016, 151, 56.	4.7	10
25	Long-term photometric monitoring of the dwarf planet (136472) Makemake. Astronomy and Astrophysics, 2019, 625, A46.	5.1	9
26	VLBI observations of OH masers with the S-2 recording system. Monthly Notices of the Royal Astronomical Society, 1996, 283, L9-L13.	4.4	8
27	Radar interferometer measurements of space debris using the Evpatoria RT-70 transmitter. Advances in Space Research, 2004, 34, 884-891.	2.6	7
28	First Optical Satellite Tracking Station (OSTS) at NRIAG-Egypt. New Astronomy, 2020, 77, 101361.	1.8	5
29	On the orbital evolution of explosion fragments. Advances in Space Research, 2004, 34, 1198-1202.	2.6	4
30	Results of theoretical and experimental studies of solar wind and active galactic nuclei on LFVN VLBI network using S2 recording system. Radiophysics and Quantum Electronics, 2007, 50, 253-273.	0.5	4
31	Results of GEO space debris studies in 2004-2005. , 2006, , .		4
32	Search and study of the space debris and asteroids within ISON project. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20200145.	0.8	3
33	Radiointerferometric studies of the fine structure of supercompact extragalactic sources and space media in the decimeter wavelength range. Radiophysics and Quantum Electronics, 1999, 42, 991-998.	0.5	2
34	INTERNATIONAL LOW-FREQUENCY VERY-LONG-BASELINE INTERFEROMETRY NETWORK PROJECT MILESTONES. Astronomical and Astrophysical Transactions, 2003, 22, 743-752.	0.2	2
35	Quasi-simultaneous VLBI and RATAN-600 observations of active galactic nuclei. Astronomy Reports, 2004, 48, 900-908.	0.9	2
36	Gamma-ray burst observations with ISON network. EAS Publications Series, 2013, 61, 259-261.	0.3	2

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37	Implementing of the ISON project in Northern Mexico. Open Astronomy, 2018, 27, 167-174.	0.6	2
38	Analytical study of Egyptian TIBA-1 satellite orbit from Optical Satellite Tracking Station (OSTS), NRIAG-Egypt. Astrophysics and Space Science, 2021, 366, 1.	1.4	2
39	Photometry of selected outer main belt asteroids. Planetary and Space Science, 2021, 202, 105248.	1.7	2
40	MODERNIZATION OF AZT-22 TELESCOPE OF MAIDANAK HIGH-ALTITUDE OBSERVATORY: TESTING RESULTS. Radio Physics and Radio Astronomy, 2014, 19, 20-25.	0.3	2
41	Problems of optical monitoring of space debris. Keldysh Institute Preprints, 2020, , 1-17.	0.2	2
42	Kharkiv study of near-Earth asteroids. Proceedings of the International Astronomical Union, 2006, 2, 385-390.	0.0	1
43	Effective planning of observations of space objects on different types of orbits. Keldysh Institute Preprints, 2018, , 1-18.	0.2	1
44	Russian-Chinese Observations of Fra gments of the Destruction of the Centaur Rocket Stage are the First Step to the Network of BRICS Observatories. , 2019, , .		1
45	Identification of potentially dangerous space objects and conjunctions. Keldysh Institute Preprints, 2019, , 1-30.	0.2	1
46	ISON NETWORK TRACKING OF SPACE DEBRIS: CURRENT STATUS AND ACHIEVEMENTS. Revista Mexicana De AstronomÃa Y AstrofÃsica Serie De Conferencias, 2019, 51, 144-149.	0.2	1
47	Prospect for VLBI Network Extension: the First Results of an Ad-hoc S2 Array Experiments. Symposium - International Astronomical Union, 2001, 205, 420-421.	0.1	0
48	The near real time terminal for VLBI radar method. , 2005, , .		0
49	Plans for development of Pulkovo cooperation of optical observers. , 2007, , .		0
50	Astronomical Hosting in Central Asia. EAS Publications Series, 2013, 61, 495-497.	0.3	0
51	Optical observations of the BepiColombo spacecraft as a proxy for a potential threatening asteroid. Acta Astronautica, 2021, 184, 251-258.	3.2	0
52	IKI GRB-FuN: observations of GRBs with small-aperture telescopes. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20200883.	0.8	0
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54	Analysis of the contribution of the ISON network in solving problems of monitoring space debris on geosynchronous orbits. Keldysh Institute Preprints, 2018, , 1-14.	0.2	0