Mikhail E Prokhorov

List of Publications by Year
in descending order

55	1,120	394421	395702
papers	citations	19 h-index	33 g-index

56	56	56	925
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On Increasing the Accuracy of Star Trackers to Subsecond Levels. Solar System Research, 2018, 52, 636-643.	0.7	5
2	Mechanical means for controlling the geometry of optical spacecraft attitude control systems and the necessary accuracy of these means. Doklady Physics, 2017, 62, 51-54.	0.7	0
3	Mathematical Problems in Creating Large Astronomical Catalogs. Open Astronomy, 2016, 25, .	0.6	0
4	The necessity of introducing a geometric control subsystem into the composite attitude control systems of spacecraft and aircraft with modern precision. Doklady Physics, 2016, 61, 5-7.	0.7	0
5	Detection of Unresolved Binaries with Multicolor Photometry. Open Astronomy, 2015, 24, .	0.6	2
6	The Possibility of a Deep Scanning Survey of Part of the Sky from a Low-Orbit Spacecraft with Fixed Orbital Orientation. Open Astronomy, 2015, 24, .	0.6	0
7	Astronomical aspects of cosmic threats: new problems and approaches to asteroidâ€”comet hazard following the chelyabinsk event of February 15, 2013. Astronomy Reports, 2015, 59, 983-996.	0.9	8
8	The LYRA-B space experiment: Goals and principles for its realization. Astronomy Reports, 2013, 57, 195-211.	0.9	3
9	Minimum star tracker specifications required to achieve a given attitude accuracy. Astrophysical Bulletin, 2013, 68, 481-493.	1.3	14
10	The LYRA photometric system and the catalog of photometric reference standard stars. Astronomische Nachrichten, 2013, 334, 823-827.	1.2	1
11	Expected characteristics of data from the LYRA mission. Astronomische Nachrichten, 2013, 334, 828-831.	1.2	2
12	Benchmarking Process Performance Through Overall Mass Targeting. , 2012, , 63-88.		4
13	Description of the â€œScenario Machineâ€• Astronomy Reports, 2009, 53, 915-940.	0.9	36
14	Population synthesis in astrophysics. Physics-Uspekhi, 2007, 50, 1123-1146.	2.2	40
15	Estimation of the recognition quality in the presence of a single learning sample of a limited size. Journal of Communications Technology and Electronics, 2007, 52, 24-27.	0.5	1
16	Neutron star masses: dwarfs, giants and neighbors. Astrophysics and Space Science, 2007, 308, 381-385.	1.4	9
17	Progenitors with enhanced rotation and the origin of magnetars. Monthly Notices of the Royal Astronomical Society, 2006, 367, 732-736.	4.4	29
18	Young Close-By Neutron Stars: The Gould Belt Vs. The Galactic Disc. Astrophysics and Space Science, 2005, 299, 117-127.	1.4	23

#	Article	IF	Citations
19	Formation of massive skyrmion stars. Astronomy and Astrophysics, 2005, 434, 649-655.	5.1	11
20	YOUNG COMPACT OBJECTS IN THE SOLAR VICINITY. , 2004, , .		1
21	Young isolated neutron stars from the Gould Belt. Astronomy and Astrophysics, 2003, 406, 111-117.	5.1	48
22	Broadband gravitational-wave pulses from binary neutron stars in eccentric orbits. Astronomy Letters, 2002, 28, 143-149.	1.0	2
23	Nearby young single black holes. Astronomy Letters, 2002, 28, 536-542.	1.0	4
24	The period distribution of old accreting isolated neutron stars. Astronomy and Astrophysics, 2002, 381, 1000-1006.	5.1	10
25	Gravitational wave background from coalescing compact stars in eccentric orbits. Monthly Notices of the Royal Astronomical Society, 2001, 327, 531-537.	4.4	15
26	Gamma-ray bursts as standard-energy explosions. Astronomy Reports, 2001, 45, 236-240.	0.9	64
27	Formation of low-mass X-ray novae with black holes from triple systems. Astronomy Reports, 2001, 45, 620-630.	0.9	6
28	The relation between the observed mass distribution for compact stars and the mechanism for supernova explosions. Astronomy Reports, 2001, 45, 899-907.	0.9	9
29	Gravitational wave astronomy: in anticipation of first sources to be detected. Physics-Uspekhi, 2001, 44, 1-51.	2.2	134
30	Constraining parameters of magnetic field decay for accreting isolated neutron stars. Surveys in High Energy Physics, 2001, 15, 381-397.	0.6	3
31	Phenomenology of the 35-Day Cycle of Hercules X-1. , 2001, , 331-336.		0
32	The [CLC]log[/CLC] [ITAL]N[/ITAL]â€“[CLC]log[/CLC] [ITAL]S[/ITAL] Distributions of Accreting and Cooling Isolated Neutron Stars. Astrophysical Journal, 2000, 544, L53-L56.	4.5	32
33	Population synthesis of old neutron stars in the galaxy. Astronomical and Astrophysical Transactions, 2000, 19, 471-478.	0.2	1
34	Rosat X-ray sources and exponential field decay in isolated neutron stars. Astronomical and Astrophysical Transactions, 2000, 19, 479-484.	0.2	0
35	The Neutron Star Census. Astrophysical Journal, 2000, 530, 896-903.	4.5	53
36	Stellar Evolution and the Cosmologial Supernovae Rates. Astrophysics and Space Science, 1999, 265, 51-54.	1.4	1

#	Article	IF	Citations
37	Stellar evolution, GRB and their hosts. Astronomy and Astrophysics, 1999, 138, 517-518.	2.1	7
38	RXTE highlights of the 34.85-day cycle of Her X-1. Monthly Notices of the Royal Astronomical Society, 1998, 300, 992-998.	4.4	28
39	Galactic Binary Gravitational Wave Noise within the LISA Frequency Band. Astrophysical Journal, 1998, 494, 674-679.	4.5	27
40	Galactic Binary Gravitational Wave Noise within the LISA Frequency Band. Astrophysical Journal, 1998, 502, 498-498.	4.5	1
41	Formation and coalescence of relativistic binary stars: the effect of kick velocity. Monthly Notices of the Royal Astronomical Society, 1997, 288, 245-259.	4.4	135
42	Evolution of Supernova Explosion Rates in the Universe. Astrophysical Journal, 1997, 486, 110-116.	4.5	31
43	First LIGO events: binary black holes mergings. New Astronomy, 1997, 2, 43-52.	1.8	64
44	The Death of Compact Binary Stars. Astrophysics and Space Science, 1997, 252, 401-413.	1.4	4
45	Spatial Distribution of Accreting Isolated Neutron Stars in the Galaxy. Astrophysics and Space Science, 1997, 252, 351-352.	1.4	2
46	Population Synthesis of X-Ray Sources at the Galactic Center. Astrophysical Journal, 1996, 466, 234.	4.5	12
47	Tests for coalescing binary neutron stars as cosmological origin of gamma-ray bursts. Space Science Reviews, 1995, 74, 369-372.	8.1	1
48	Cosmological rates of coalescing neutron stars and GRB. Astrophysics and Space Science, 1995, 231, 389-392.	1.4	5
49	On the nature of the binary radio pulsar PSR B0042-73 in the small magellanic cloud. Astrophysical Journal, 1995, 441, 776.	4.5	2
50	Evolution of the Double Neutron Star Merging Rate and the Cosmological Origin of Gamma-Ray Burst Sources. Astrophysical Journal, 1995, 454, 593.	4.5	56
51	Eccentric accretion discs. Monthly Notices of the Royal Astronomical Society, 1994, 266, 583-596.	4.4	40
52	Binary Radiopulsars with Black Holes. Astrophysical Journal, 1994, 423, L121.	4.5	41
53	Fractal analysis of the GRB light curves. , 1993, , .		0
54	Outflowing discs around neutron stars at the â€œpropellerâ€•stage. Advances in Space Research, 1988, 8, 179-181.	2.6	36

#	Article	IF	Citations
55	Ejection from pulsars in binary systems. Astrophysics and Space Science, 1984, 98, 221-236.	1.4	6