

# S I Blinnikov

## List of Publications by Year in descending order

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185  
papers

7,009  
citations

81900

39  
h-index

62596

80  
g-index

191  
all docs

191  
docs citations

191  
times ranked

4693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable thermal energy injection from magnetar spin-down as a possible cause of stripped-envelope supernova light-curve bumps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 6210-6218.	4.4	14
2	Stripping Model for Short Gamma-Ray Bursts in Neutron Star Mergers. <i>Particles</i> , 2022, 5, 198-209.	1.7	8
3	Light Curves of Type Ia Supernovae. <i>Astronomy Letters</i> , 2021, 47, 1-11.	1.0	2
4	Near-infrared and Optical Observations of Type Ic SN 2020oi and Broad-lined Type Ic SN 2020bvc: Carbon Monoxide, Dust, and High-velocity Supernova Ejecta. <i>Astrophysical Journal</i> , 2021, 908, 232.	4.5	29
5	Expansion opacity in laboratory conditions. <i>Physics of Plasmas</i> , 2021, 28, 023301.	1.9	0
6	N-body Self-consistent Stellar-halo Modeling of the Fornax Dwarf Galaxy. <i>Astrophysical Journal</i> , 2021, 909, 147.	4.5	0
7	The Effect of Circumstellar Matter on the Double-peaked Type Ic Supernovae and Implications for LSQ14efd, iPTF15dtg, and SN 2020bvc. <i>Astrophysical Journal</i> , 2021, 910, 68.	4.5	10
8	Observational properties of a general relativistic instability supernova from a primordial supermassive star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1206-1213.	4.4	11
9	Parameters of the type-II-P supernova SN 2012aw. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3544-3549.	4.4	2
10	Opacity of Ejecta in Calculations of Supernova Light Curves. <i>Astronomy Letters</i> , 2021, 47, 204-213.	1.0	2
11	Neutron Star Mergers and Gamma-Ray Bursts: Stripping Model. <i>Astronomy Reports</i> , 2021, 65, 385-391.	0.9	10
12	Type II-P Supernova SN 2018aoq in NGC 4151: Light Curves, Models, and Distance. <i>Astronomy Letters</i> , 2021, 47, 291-306.	1.0	3
13	The Simulation of Superluminous Supernovae Using the M1 Approach for Radiation Transfer. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 8.	7.7	9
14	Properties of Thorne-Żytkow object explosions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 74-78.	4.4	2
15	Optical and spectral observations and hydrodynamic modelling of type IIb supernova 2017gpn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 5797-5810.	4.4	2
16	Strongly Lensed Supernova Refsdal: Refining Time Delays Based on the Supernova Explosion Models. <i>Astrophysical Journal</i> , 2021, 907, 35.	4.5	6
17	Modification of the radiation transfer equations to take into account NLTE effects in the simulations of supernova light curves by the radiation hydrodynamic code STELLA. <i>Keldysh Institute Preprints</i> , 2021, , 1-26.	0.2	1
18	Transient AT2018cow: A Scenario with an Equatorial Disk. <i>Astronomy Letters</i> , 2021, 47, 738-745.	1.0	1

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19	Study of the Dependence of the Plateau Shape for Type II Supernovae on Metallicity. <i>Astronomy Letters</i> , 2020, 46, 312-318.	1.0	2
20	Systematic investigation of the effect of $^{56}\text{Ni}$ mixing in the early photospheric velocity evolution of stripped-envelope supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1619-1626.	4.4	10
21	Shock breakouts from red supergiants: analytical and numerical predictions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3927-3936.	4.4	20
22	Discovery of a hot ultramassive rapidly rotating DBA white dwarf. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 499, L21-L25.	3.3	27
23	Pulsational Pair-instability Supernovae. II. Neutrino Signals from Pulsations and Their Detection by Terrestrial Neutrino Detectors. <i>Astrophysical Journal</i> , 2020, 889, 75.	4.5	8
24	A Model for the Fast Blue Optical Transient AT2018cow: Circumstellar Interaction of a Pulsational Pair-instability Supernova. <i>Astrophysical Journal</i> , 2020, 903, 66.	4.5	33
25	Application of the Green Function Method for Calculating the Spatial Distribution of Electrons in the Finite System. <i>Journal of Physics: Conference Series</i> , 2020, 1686, 012027.	0.4	0
26	Multiwavelength Observations of GRB 181201A and Detection of Its Associated Supernova. <i>Astronomy Letters</i> , 2020, 46, 783-811.	1.0	8
27	Luminous supernovae associated with ultra-long gamma-ray bursts from hydrogen-free progenitors extended by pulsational pair-instability. <i>Astronomy and Astrophysics</i> , 2020, 641, L10.	5.1	4
28	Analytical Model of Time-Dependent Ionization in the Envelopes of Type II Supernovae at the Photospheric Phase. <i>Astronomy Letters</i> , 2019, 45, 276-281.	1.0	0
29	Fallback Accretion-powered Supernova Light Curves Based on a Neutrino-driven Explosion Simulation of a $40 M_{\odot}$ Star. <i>Astrophysical Journal</i> , 2019, 880, 21.	4.5	13
30	Light-curve Modeling of Fast-evolving Supernova KSN 2015K: Explosion in Circumstellar Matter of a Super-AGB Progenitor. <i>Astrophysical Journal</i> , 2019, 881, 35.	4.5	15
31	SN 2018hna: 1987A-like Supernova with a Signature of Shock Breakout. <i>Astrophysical Journal Letters</i> , 2019, 882, L15.	8.3	13
32	A Rapidly Declining Transient Discovered with the Subaru/Hyper Suprime-Cam. <i>Astrophysical Journal</i> , 2019, 885, 13.	4.5	4
33	Quantum shell effects in compressed mesoscopic system. <i>Physics of Plasmas</i> , 2019, 26, 022709.	1.9	4
34	SN 2017czd: A Rapidly Evolving Supernova from a Weak Explosion of a Type IIb Supernova Progenitor. <i>Astrophysical Journal</i> , 2019, 875, 76.	4.5	8
35	Evolution of the Progenitors of SNe 1993J and 2011dh Revealed through Late-time Radio and X-Ray Studies. <i>Astrophysical Journal</i> , 2019, 875, 17.	4.5	12
36	Dynamics of supernova bounce in laboratory. <i>Physical Review E</i> , 2019, 99, 033102.	2.1	14

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37	Pulsational Pair-instability Supernovae. I. Pre-collapse Evolution and Pulsational Mass Ejection. <i>Astrophysical Journal</i> , 2019, 887, 72.	4.5	66
38	Low-Mass Neutron Stars with Rotation. <i>Astronomy Letters</i> , 2019, 45, 847-854.	1.0	9
39	Cosmological acceleration. <i>Physics-Uspekhi</i> , 2019, 62, 529-567.	2.2	14
40	Asymmetric nuclear light clusters in supernova matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5426-5433.	4.4	11
41	Optical photometry and preliminary modeling of Type IIb Supernova 2017gpn. , 2019, , .		0
42	Modules for Experiments in Stellar Astrophysics ( $\{M\}\{E\}\{S\}\{A\}$ ): Convective Boundaries, Element Diffusion, and Massive Star Explosions. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 34.	7.7	1,182
43	Distance Estimate of Tycho's SNR. <i>Journal of Physics: Conference Series</i> , 2018, 1038, 012006.	0.4	4
44	Inhomogeneous Spatial Distribution of Electrons in a Compressed Gas Bubble of Submicron Size. <i>Journal of Physics: Conference Series</i> , 2018, 1009, 012013.	0.4	3
45	OGLE-2014-SN-073 as a fallback accretion powered supernova. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 475, L11-L14.	3.3	17
46	Quark deconfinement as a supernova explosion engine for massive blue supergiant stars. <i>Nature Astronomy</i> , 2018, 2, 980-986.	10.1	102
47	The delay of shock breakout due to circumstellar material evident in most type II supernovae. <i>Nature Astronomy</i> , 2018, 2, 808-818.	10.1	86
48	Type IIP supernova light curves affected by the acceleration of red supergiant winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2840-2851.	4.4	53
49	Nucleosynthesis during a Thermonuclear Supernova Explosion. <i>Astronomy Letters</i> , 2018, 44, 309-314.	1.0	3
50	Heating and Nonequilibrium Distributions of Ions in a Reverse Shock Wave of the SN 1987A Remnant. <i>Physics of Atomic Nuclei</i> , 2018, 81, 139-145.	0.4	1
51	Ultraviolet Light Curves of Gaia16apd in Superluminous Supernova Models. <i>Astrophysical Journal Letters</i> , 2017, 845, L2.	8.3	11
52	MASTER OT J004207.99+405501.1/M31LRN 2015 luminous red nova in M31: discovery, light curve, hydrodynamics and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2339-2350.	4.4	28
53	Pulsational Pair-instability Model for Superluminous Supernova PTF12dam: Interaction and Radioactive Decay. <i>Astrophysical Journal</i> , 2017, 835, 266.	4.5	26
54	Multicolour modelling of SN 2013dx associated with GRB 130702A.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 3500-3512.	4.4	29

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55	Time-dependent ionization in the envelopes of type II supernovae at the photospheric phase. <i>Astronomy Letters</i> , 2017, 43, 36-49.	1.0	4
56	Light-curve and spectral properties of ultrastripped core-collapse supernovae leading to binary neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2085-2098.	4.4	67
57	Interacting Supernovae: Spectra and Light Curves. , 2017, , 843-873.		6
58	Early light curves for Type Ia supernova explosion models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2787-2799.	4.4	60
59	Fast and Luminous Transients from the Explosions of Long-lived Massive White Dwarf Merger Remnants. <i>Astrophysical Journal</i> , 2017, 850, 127.	4.5	13
60	Immediate dense circumstellar environment of supernova progenitors caused by wind acceleration: its effect on supernova light curves. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 469, L108-L112.	3.3	58
61	Fast evolving pair-instability supernova models: evolution, explosion, light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2854-2865.	4.4	63
62	Interacting Supernovae: Spectra and Light Curves. , 2017, , 1-31.		2
63	Radiation Hydrodynamical Models for Type I Superluminous Supernovae. , 2017, , .		0
64	Achievements of ITEP astrophysicists. <i>Physics-Uspexhi</i> , 2016, 59, 796-806.	2.2	2
65	On the nature of rapidly fading Type II supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 423-430.	4.4	27
66	Type Ia supernovae within dense carbon- and oxygen-rich envelopes: a model for "Super-Chandrasekhar" explosions?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2972-2985.	4.4	24
67	TYPE I SUPERLUMINOUS SUPERNOVAE AS EXPLOSIONS INSIDE NON-HYDROGEN CIRCUMSTELLAR ENVELOPES. <i>Astrophysical Journal</i> , 2016, 829, 17.	4.5	79
68	MULTICOLOR LIGHT CURVE SIMULATIONS OF POPULATION III CORE-COLLAPSE SUPERNOVAE: FROM SHOCK BREAKOUT TO $^{56}\text{CO}$ DECAY. <i>Astrophysical Journal</i> , 2016, 821, 124.	4.5	6
69	Solving puzzles of GW150914 by primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 036-036.	5.4	105
70	RAPIDLY RISING TRANSIENTS FROM THE SUBARU HYPER SUPRIME-CAM TRANSIENT SURVEY*. <i>Astrophysical Journal</i> , 2016, 819, 5.	4.5	81
71	Radiation Hydrodynamical Models for Type I Superluminous Supernovae: Constraints on Progenitors and Explosion Mechanisms. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 39-43.	0.0	0
72	Core-Collapse Supernovae in the Early Universe: Radiation Hydrodynamics Simulations of Multicolor Light Curves. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 451-451.	0.0	0

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73	SUPERNOVAE POWERED BY MAGNETARS THAT TRANSFORM INTO BLACK HOLES. <i>Astrophysical Journal</i> , 2016, 833, 64.	4.5	14
74	On physical and numerical instabilities arising in simulations of non-stationary radiatively cooling shocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2188-2211.	4.4	26
75	How much radioactive nickel does ASASSN-15lh require?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 459, L21-L25.	3.3	14
76	An effective selection method for low-mass active black holes and first spectroscopic identification. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	2.5	10
77	Neutron excess number and nucleosynthesis of heavy elements in a type Ia supernova explosion. <i>JETP Letters</i> , 2016, 103, 431-434.	1.4	2
78	Antimatter and antistars in the Universe and in the Galaxy. <i>Physical Review D</i> , 2015, 92, .	4.7	45
79	Oxygen emission in remnants of thermonuclear supernovae as a probe for their progenitor system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1441-1448.	4.4	4
80	Can pair-instability supernova models match the observations of superluminous supernovae?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4357-4365.	4.4	33
81	The rise-time of Type II supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2212-2229.	4.4	102
82	Hydrogenless superluminous supernova PTF12dam in the model of an explosion inside an extended envelope. <i>Astronomy Letters</i> , 2015, 41, 95-103.	1.0	20
83	TIME-DEPENDENT MULTI-GROUP MULTI-DIMENSIONAL RELATIVISTIC RADIATIVE TRANSFER CODE BASED ON SPHERICAL HARMONIC DISCRETE ORDINATE METHOD. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 38.	7.7	7
84	SHOCK WAVE STRUCTURE IN ASTROPHYSICAL FLOWS WITH AN ACCOUNT OF PHOTON TRANSFER. <i>Astrophysical Journal</i> , 2015, 811, 47.	4.5	22
85	Electron-capture supernovae exploding within their progenitor wind. <i>Astronomy and Astrophysics</i> , 2014, 569, A57.	5.1	54
86	Mirror matter and other dark matter models. <i>Physics-Uspekhi</i> , 2014, 57, 183-188.	2.2	12
87	Mass-loss histories of Type II <sub>n</sub> supernova progenitors within decades before their explosion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2917-2926.	4.4	88
88	Electron-capture supernovae of super-asymptotic giant branch stars and the Crab supernova 1054. , 2014, , .		1
89	Stars and black holes from the very early universe. <i>Physical Review D</i> , 2014, 89, .	4.7	30
90	Observational properties of low-redshift pair instability supernovae. <i>Astronomy and Astrophysics</i> , 2014, 565, A70.	5.1	63

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91	Comparison of theoretical models of the dark matter distribution in low-surface-brightness galaxies with observations. <i>Astronomy Letters</i> , 2013, 39, 665-675.	1.0	4
92	Study of supernovae important for cosmology. <i>JETP Letters</i> , 2013, 98, 432-439.	1.4	22
93	Radiation hydrodynamics of supernova shock breakouts. <i>High Energy Density Physics</i> , 2013, 9, 17-21.	1.5	2
94	SUPERNOVA EXPLOSIONS OF SUPER-ASYMPTOTIC GIANT BRANCH STARS: MULTICOLOR LIGHT CURVES OF ELECTRON-CAPTURE SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2013, 771, L12.	8.3	49
95	Light-curve modelling of superluminous supernova 2006gy: collision between supernova ejecta and a dense circumstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1020-1035.	4.4	140
96	An analytic bolometric light curve model of interaction-powered supernovae and its application to Type IIn supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1520-1535.	4.4	97
97	Flame fronts in Type Ia supernovae and their pulsational stability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 2840-2849.	4.4	13
98	Synthetic light curves of shocked dense circumstellar shells. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 1402-1407.	4.4	28
99	Coupling of matter and radiation at supernova shock breakout. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3181-3199.	4.4	29
100	Thermal emission in gamma-ray burst afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 2454-2462.	4.4	3
101	Direct distance measurements to SN 2009ip. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 431, L98-L101.	3.3	21
102	ULTRA-STRIPPED TYPE Ic SUPERNOVAE FROM CLOSE BINARY EVOLUTION. <i>Astrophysical Journal Letters</i> , 2013, 778, L23.	8.3	167
103	Light Curve Modeling of Superluminous Supernovae. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 86-89.	0.0	0
104	Type IIn superluminous supernovae from collision of supernova ejecta and dense circumstellar medium. , 2012, , .		0
105	High-z core-collapse supernova survey with shock breakout. , 2012, , .		0
106	SUPER-CHANDRASEKHAR-MASS LIGHT CURVE MODELS FOR THE HIGHLY LUMINOUS TYPE Ia SUPERNOVA 2009dc. <i>Astrophysical Journal</i> , 2012, 756, 191.	4.5	21
107	Direct determination of the hubble parameter using type IIn supernovae. <i>JETP Letters</i> , 2012, 96, 153-157.	1.4	16
108	Supernova bangs as a tool to study big bang. <i>Physics of Atomic Nuclei</i> , 2012, 75, 1091-1110.	0.4	0

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109	Modeling supernova remnants: effects of diffusive cosmic-ray acceleration on the evolution and application to observations. <i>Astronomy and Astrophysics</i> , 2011, 532, A114.	5.1	25
110	The equation of state and composition of hot, dense matter in core-collapse supernovae. <i>Astronomy and Astrophysics</i> , 2011, 535, A37.	5.1	38
111	Ultraviolet-Bright Type IIP Supernovae from Massive Red Supergiants. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 54-57.	0.0	1
112	Shock Breakout of Type II Plateau Supernova. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 413-414.	0.0	0
113	Supernovae from red supergiants with extensive mass loss. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 199-213.	4.4	119
114	Multigroup radiative transfer in supernova shock breakout models. <i>Astronomy Letters</i> , 2011, 37, 194-209.	1.0	20
115	SHOCK BREAKOUT IN TYPE II PLATEAU SUPERNOVAE: PROSPECTS FOR HIGH-REDSHIFT SUPERNOVA SURVEYS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 193, 20.	7.7	66
116	Population synthesis of DA white dwarfs: constraints on soft X-ray spectra evolution. , 2010, , .		0
117	Interaction-Powered Supernovae as Probes of the High-Redshift Universe. , 2010, , .		3
118	Heating of the circumstellar medium by gamma-ray burst prompt emission. <i>Astronomy Letters</i> , 2010, 36, 687-706.	1.0	2
119	Notes on hidden mirror world. <i>Physics of Atomic Nuclei</i> , 2010, 73, 593-603.	0.4	13
120	Most luminous supernovae produced by shocks. <i>Physics of Atomic Nuclei</i> , 2010, 73, 604-608.	0.4	3
121	Spin flip of neutrinos with magnetic moment in core-collapse supernova. <i>Physics of Atomic Nuclei</i> , 2010, 73, 614-624.	0.4	9
122	TeV-scale bileptons, see-saw type II and lepton flavor violation in core-collapse supernova. <i>European Physical Journal C</i> , 2010, 67, 213-227.	3.9	3
123	Coulomb corrections and thermo-conductivity of a dense plasma. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 075501.	2.1	4
124	PROPERTIES OF TYPE II PLATEAU SUPERNOVA SNLS-04D2dc: MULTICOLOR LIGHT CURVES OF SHOCK BREAKOUT AND PLATEAU. <i>Astrophysical Journal</i> , 2009, 705, L10-L14.	4.5	37
125	Vladimir Sergeevich Imshennik (in honor of his 80th birthday). <i>Plasma Physics Reports</i> , 2008, 34, 885-886.	0.9	0
126	Vladimir Sergeevich Imshennik (on his 80th birthday). <i>Physics-Usppekhi</i> , 2008, 51, 975-976.	2.2	0



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127	Explosions inside Ejecta and Most Luminous Supernovae. AIP Conference Proceedings, 2008, , .	0.4	4
128	XMM-Newton X-ray spectra of the SNR 0509-67.5: data and models. Astronomy and Astrophysics, 2008, 490, 223-230.	5.1	28
129	Exploration of SN Ia remnants in LMC. AIP Conference Proceedings, 2007, , .	0.4	0
130	Type Ia Supernova Light Curves. Astrophysical Journal, 2007, 662, 487-503.	4.5	119
131	A Three-Dimensional Deflagration Model for Type Ia Supernovae Compared with Observations. Astrophysical Journal, 2007, 668, 1132-1139.	4.5	143
132	The Peculiar SN 2005hk: Do Some Type Ia Supernovae Explode as Deflagrations?. Publications of the Astronomical Society of the Pacific, 2007, 119, 360-387.	3.1	192
133	Production of intermediate-mass and heavy nuclei. Progress in Particle and Nuclear Physics, 2007, 59, 74-93.	14.4	16
134	Pulsational pair instability as an explanation for the most luminous supernovae. Nature, 2007, 450, 390-392.	27.8	495
135	SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gamma-Ray Bursts. Astrophysical Journal, 2006, 641, 1039-1050.	4.5	106
136	Theoretical light curves for deflagration models of type Ia supernova. Astronomy and Astrophysics, 2006, 453, 229-240.	5.1	196
137	Supernovae and gamma-ray bursts. Surveys in High Energy Physics, 2006, 20, 89-124.	0.6	2
138	New observations of the pulsar wind nebula in the supernova remnant CTB 80. Astronomy Letters, 2005, 31, 245-257.	1.0	5
139	Supernovae and properties of matter in the densest and most rarefied states. Physics of Atomic Nuclei, 2005, 68, 814-827.	0.4	1
140	Analysis of the spatial distribution of gamma-ray bursts in their host galaxies. Astronomy Letters, 2005, 31, 365-374.	1.0	3
141	Parameters of the classical type-IIp supernova SN 1999em. Astronomy Letters, 2005, 31, 429-441.	1.0	68
142	Radial Distribution of GRBs in Host Galaxies. , 2005, , 143-147.		0
143	The Type II <sub>n</sub> supernova 1994W: evidence for the explosive ejection of a circumstellar envelope. Monthly Notices of the Royal Astronomical Society, 2004, 352, 1213-1231.	4.4	178
144	Photometric observations of the Type Ia SN 2002er in UGC 10743. Monthly Notices of the Royal Astronomical Society, 2004, 355, 178-190.	4.4	63

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145	Dynamics and radiation of young type-Ia supernova remnants: Important physical processes. <i>Astronomy Letters</i> , 2004, 30, 737-750.	1.0	24
146	Type Ia Supernova models: Latest developments. <i>Astrophysics and Space Science</i> , 2004, 290, 13-28.	1.4	36
147	Time-dependent thermal effects in GRB afterglows. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 132, 327-330.	0.4	5
148	X-ray emission of young SN Ia remnants as a probe for an explosion model. <i>Advances in Space Research</i> , 2004, 33, 392-397.	2.6	2
149	Time-dependent thermal X-ray afterglows from GRBS. <i>Advances in Space Research</i> , 2004, 34, 2705-2710.	2.6	0
150	Type Ia Supernova Models: Latest Developments. , 2004, , 13-28.		0
151	X-ray emission lines in the early afterglows of gamma-ray bursts. <i>Astronomy Letters</i> , 2003, 29, 205-213.	1.0	6
152	Spectra and light curves of GRB afterglows. <i>Astronomy Letters</i> , 2003, 29, 353-360.	1.0	7
153	Critical velocities $c/\sqrt{3}$ and $c/\sqrt{2}$ in the general theory of relativity. <i>Physics-Uspexhi</i> , 2003, 46, 1099-1103.	2.2	11
154	CURRENT STATUS OF TYPE IA SUPERNOVAE THEORY AND THEIR ROLE IN COSMOLOGY. , 2003, , .		0
155	Detailed Spectroscopic Analysis of SN 1987A: The Distance to the Large Magellanic Cloud Using the Spectral Fitting Expanding Atmosphere Method. <i>Astrophysical Journal</i> , 2002, 574, 293-305.	4.5	47
156	The origin of the high-velocity circumstellar gas around SN 1998S. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 330, 473-480.	4.4	25
157	Nucleosynthesis of heavy elements: Computational experiment. <i>Astronomy Letters</i> , 2001, 27, 239-248.	1.0	10
158	Type Ia supernovae: An explosion in the regime of a convergent delayed detonation wave. <i>Astronomy Letters</i> , 2001, 27, 353-362.	1.0	7
159	Radial distributions of gamma-ray bursts and type Ib/c supernovae in galaxies. <i>Astronomy Letters</i> , 2001, 27, 411-415.	1.0	14
160	Models for highly flattened, rapidly rotating cool stars in a Newtonian approximation. <i>Astronomy Reports</i> , 2001, 45, 692-699.	0.9	0
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