

# Boris V Somov

## List of Publications by Year in descending order

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167  
papers

3,378  
citations

126907

33  
h-index

168389

53  
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170  
all docs

170  
docs citations

170  
times ranked

730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Collisionless Reconnection and High-Energy Particle Acceleration in Solar Flares. <i>Astrophysical Journal</i> , 1997, 485, 859-868.	4.5	248
2	Physical Processes in Solar Flares. <i>Astrophysics and Space Science Library</i> , 1992, , .	2.7	214
3	Photospheric vortex flows as a cause for two-ribbon flares: A topological model. <i>Solar Physics</i> , 1988, 117, 77-88.	2.5	118
4	Hydrodynamic response of the solar chromosphere to an elementary flare burst. <i>Solar Physics</i> , 1981, 73, 145.	2.5	107
5	The Motions of the Hard X-Ray Sources in Solar Flares: Images and Statistics. <i>Astrophysical Journal</i> , 2005, 630, 561-572.	4.5	104
6	Particle acceleration in reconnecting current sheets. <i>Solar Physics</i> , 1993, 146, 127-133.	2.5	99
7	Evidence for prolonged acceleration based on a detailed analysis of the long-duration solar gamma-ray flare of June 15, 1991. <i>Solar Physics</i> , 1996, 166, 107-134.	2.5	96
8	Physical processes in the solar atmosphere associated with flares. <i>Uspekhi Fizicheskikh Nauk</i> , 1976, 19, 813-835.	0.3	88
9	Magnetic Reconnection Scenario of the Bastille Day 2000 Flare. <i>Astrophysical Journal</i> , 2002, 579, 863-873.	4.5	80
10	Relativistic acceleration of protons in reconnecting current sheets of solar flares. <i>Solar Physics</i> , 1995, 158, 317-330.	2.5	73
11	Cosmic Plasma Physics. <i>Astrophysics and Space Science Library</i> , 2000, , .	2.7	69
12	The flares of April 1980. <i>Solar Physics</i> , 1983, 85, 157-184.	2.5	57
13	Magnetic reconnection in a high-temperature plasma of solar flares. <i>Solar Physics</i> , 1985, 102, 79-96.	2.5	54
14	Thermal electrons runaway from a hot plasma during a flare in the reverse-current model and their X-ray bremsstrahlung. <i>Solar Physics</i> , 1988, 116, 119.	2.5	52
15	Generalized analytical models of Syrovatskii's current sheet. <i>Astronomy Letters</i> , 2011, 37, 113-130.	1.0	50
16	Interpretation of the Observed Plasma "Turbulent" Velocities as a Result of Magnetic Reconnection in Solar Flares. <i>Astrophysical Journal</i> , 1996, 456, 833.	4.5	50
17	Analytical model of magnetic reconnection in the presence of shock waves attached to a current sheet. <i>Astronomy Letters</i> , 2007, 33, 130-136.	1.0	49
18	Hydrodynamic response of the solar chromosphere to an elementary flare burst. <i>Solar Physics</i> , 1982, 81, 281-292.	2.5	47

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19	X-ray heating of a low-temperature region in chromospheric flares. <i>Solar Physics</i> , 1975, 42, 235-246.	2.5	46
20	Tearing instability of reconnecting current sheets in space plasmas. <i>Space Science Reviews</i> , 1993, 65, 253-288.	8.1	46
21	MAGNETIC RECONNECTION DURING THE TWO-PHASE EVOLUTION OF A SOLAR ERUPTIVE FLARE. <i>Astrophysical Journal</i> , 2009, 706, 1438-1450.	4.5	46
22	Collisionless Three-dimensional Reconnection in Impulsive Solar Flares. <i>Astrophysical Journal</i> , 1998, 497, 943-956.	4.5	45
23	The betatron effect in collapsing magnetic traps. <i>Astronomy Letters</i> , 2003, 29, 621-628.	1.0	45
24	Flares in accretion disk coronae. <i>Advances in Space Research</i> , 2003, 32, 1087-1096.	2.6	44
25	Evolution of a flaring loop after injection of energetic electrons. <i>Solar Physics</i> , 1983, 88, 257.	2.5	41
26	Magnetic reconnection in the temperature minimum region and prominence formation. <i>Solar Physics</i> , 1994, 151, 265-270.	2.5	41
27	Comparison of the Fermi and betatron acceleration efficiencies in collapsing magnetic traps. <i>Astronomy Letters</i> , 2005, 31, 537-545.	1.0	41
28	Analytical description of charged particle motion in a reconnecting current sheet. <i>Astronomy Letters</i> , 2009, 35, 195-206.	1.0	39
29	Thermal trigger for solar flares and coronal loops formation. <i>Solar Physics</i> , 1982, 75, 237-244.	2.5	38
30	Magnetic reconnection in a high-temperature plasma of solar flares. <i>Solar Physics</i> , 1989, 120, 93-115.	2.5	36
31	Effect of Coulomb collisions on the particle acceleration in collapsing magnetic traps. <i>Astronomy Letters</i> , 2009, 35, 57-69.	1.0	36
32	Magnetic reconnection on the separator as a cause of a two-ribbon flare. <i>Advances in Space Research</i> , 1990, 10, 105-108.	2.6	35
33	Nonthermal electrons in the thick-target reverse-current model for hard X-ray bremsstrahlung. <i>Solar Physics</i> , 1991, 131, 319-336.	2.5	33
34	Magnetohydrodynamic discontinuities in space plasmas: Interrelation between stability and structure. <i>Space Science Reviews</i> , 1996, 78, 443.	8.1	32
35	Formation of power-law electron spectra in collapsing magnetic traps. <i>Astronomy Letters</i> , 2007, 33, 54-62.	1.0	30
36	Flare loops heated by thermal conduction. <i>Solar Physics</i> , 1984, 93, 95-104.	2.5	30

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37	The magnetic field of a rotating cloud and magneto-rotational explosions. <i>Astrophysics and Space Science</i> , 1971, 11, 264-283.	1.4	29
38	Peculiarities of entropy and magnetosonic waves in optically thin cosmic plasma. <i>Astronomy Letters</i> , 2007, 33, 309-318.	1.0	29
39	Current sheets as the source of heating for solar active regions. <i>Solar Physics</i> , 1977, 55, 393-399.	2.5	28
40	Modeling large solar flares. <i>Advances in Space Research</i> , 2003, 32, 2439-2450.	2.6	28
41	Purely coronal flare-like variations. <i>Solar Physics</i> , 1983, 85, 313-337.	2.5	27
42	Large-scale reconnection in a large flare. <i>Advances in Space Research</i> , 2005, 35, 1712-1722.	2.6	27
43	The role of collisions in the particle acceleration in solar-flare magnetic traps. <i>Astronomy Letters</i> , 2003, 29, 409-415.	1.0	26
44	EVIDENCE OF SOLAR FLARE TRIGGERING DUE TO LOOP-LOOP INTERACTION CAUSED BY FOOTPOINT SHEAR MOTION. <i>Astrophysical Journal</i> , 2010, 723, 1651-1664.	4.5	25
45	On the acceleration of solar-flare charged particles in a collapsing magnetic trap with an electric potential. <i>Astronomy Letters</i> , 2002, 28, 488-493.	1.0	24
46	Motion of the HXR sources in solar flares: Yohkoh images and statistics. <i>Advances in Space Research</i> , 2005, 35, 1700-1706.	2.6	23
47	On upward motions of coronal hard X-ray sources in solar flares. <i>Advances in Space Research</i> , 2005, 35, 1690-1699.	2.6	23
48	Evolution of the photospheric magnetic field and coronal null points before solar flares. <i>Astronomy Letters</i> , 2009, 35, 207-213.	1.0	23
49	On discontinuous plasma flows in the vicinity of reconnecting current sheets in solar flares. <i>Astronomy Letters</i> , 2011, 37, 131-140.	1.0	23
50	On the topological trigger of large eruptive solar flares. <i>Astronomy Letters</i> , 2008, 34, 635-645.	1.0	22
51	A new scenario for impulsive bursts of hard electromagnetic radiation in space plasma. <i>Astronomy Letters</i> , 2011, 37, 679-691.	1.0	22
52	Magnetic-topology evolution in NOAA AR 10501 on 2003 November 18. <i>Astronomy and Astrophysics</i> , 2012, 538, A138.	5.1	22
53	On the magnetic reconnection of electric currents in solar flares. <i>Astronomy Letters</i> , 2012, 38, 128-138.	1.0	22
54	Magnetic Reconnection. <i>Astrophysics and Space Science Library</i> , 2013, , 1-17.	2.7	22

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55	Features of mass supply and flows related with reconnection in the solar corona. <i>Space Science Reviews</i> , 1994, 70, 161-166.	8.1	21
56	Heat-transfer mechanisms in solar flares. 1: Classical and anomalous heat conduction. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2011, 66, 286-291.	0.4	21
57	Is it possible to accelerate ions in collapsing magnetic traps?. <i>Advances in Space Research</i> , 2002, 30, 55-60.	2.6	20
58	Magnetic reconnection, electric field, and particle acceleration in the July 14, 2000 solar flare. <i>Astronomy Letters</i> , 2008, 34, 327-336.	1.0	20
59	Heat-transfer mechanisms in solar flares. 2: Consideration of heat-flux relaxation. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2011, 66, 292-297.	0.4	20
60	A Scenario for the Large-Scale Magnetic Field Evolution in CMEs. <i>Journal of Geomagnetism and Geoelectricity</i> , 1991, 43, 31-36.	0.9	20
61	Aspects of the Global MHD Equilibria and Filament Eruptions in the Solar Corona. <i>Space Science Reviews</i> , 2001, 95, 67-77.	8.1	19
62	Magnetic reconnection in a high-temperature plasma of solar flares. <i>Solar Physics</i> , 1985, 95, 141-153.	2.5	18
63	Three-dimensional reconnection at the sun: space observations and collisionless models. <i>Advances in Space Research</i> , 2002, 29, 1035-1044.	2.6	18
64	Hard X-ray bremsstrahlung produced by electrons escaping a high-temperature thermal source in a solar flare. <i>Solar Physics</i> , 1985, 97, 81-105.	2.5	17
65	Magnetic Reconnection and Turbulence. <i>Astrophysics and Space Science Library</i> , 2013, , 377-396.	2.7	17
66	Evidence of Reconnection in Solar Flares. <i>Astrophysics and Space Science Library</i> , 2013, , 67-90.	2.7	17
67	Particle Acceleration in Current Layers. <i>Astrophysics and Space Science Library</i> , 2013, , 293-320.	2.7	17
68	Magnetic reconnection in solar flares. <i>Physics-Uspexhi</i> , 2010, 53, 954-958.	2.2	16
69	Magnetic reconnection in high-temperature plasma of solar flares. <i>Solar Physics</i> , 1988, 117, 89-95.	2.5	14
70	Signatures of Magnetic Reconnection in Solar Eruptive Flares: A Multi-wavelength Perspective. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 29-41.	0.3	14
71	New theoretical models of solar flares. <i>Uspekhi Fizicheskikh Nauk</i> , 1985, 28, 271-272.	0.3	13
72	On the heat conduction in a high-temperature plasma in solar flares. <i>Astronomy Letters</i> , 2011, 37, 726-736.	1.0	12

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73	Reverse-current effect in present-day models of solar flares: Theory and high-accuracy observations. <i>Astronomy Letters</i> , 2014, 40, 499-509.	1.0	12
74	Possible mechanism of surge formation in the solar atmosphere. <i>Solar Physics</i> , 1973, 30, 139-147.	2.5	11
75	On the low-temperature region of chromospheric flares. <i>Solar Physics</i> , 1974, 39, 415-430.	2.5	11
76	Magnetically driven coronal transients. <i>Advances in Space Research</i> , 1991, 11, 179-185.	2.6	9
77	A simple analytic model of reconnection in a high-temperature turbulent sheet. <i>Astronomy Letters</i> , 2000, 26, 750-755.	1.0	9
78	Hydrodynamic shock wave formation in the solar chromosphere and corona during flares. <i>Space Science Reviews</i> , 1982, 32, 27.	8.1	8
79	An analysis of magnetic field and magnetosphere of neutron star under effect of a shock wave. <i>Advances in Space Research</i> , 2015, 56, 964-969.	2.6	8
80	The kinetic description of the accelerated-electron flux in solar flares. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2011, 66, 466-472.	0.4	7
81	Thermal instability of the reconnecting current layer in solar flares. <i>Astronomy Letters</i> , 2016, 42, 841-849.	1.0	7
82	X-ray and microwave emissions from the July 19, 2012 solar flare: Highly accurate observations and kinetic models. <i>Astronomy Letters</i> , 2016, 42, 531-543.	1.0	7
83	Magnetic reconnection and acceleration of particles on the sun. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 735-737.	0.6	6
84	On the nature of the transition region between the solar corona and chromosphere. <i>Astronomy Letters</i> , 2012, 38, 801-812.	1.0	6
85	Heat transfer in solar flares. <i>Solar Physics</i> , 1978, 60, 315-321.	2.5	5
86	Energy release in flares. <i>Advances in Space Research</i> , 1986, 6, 177-185.	2.6	5
87	Acceleration of charged particles in collapsing magnetic traps during solar flares. <i>Astronomy Reports</i> , 2001, 45, 157-161.	0.9	5
88	Fast magnetic reconnection and particle acceleration in the non-equilibrium magnetosphere of a relativistic star. <i>Astronomy Reports</i> , 2011, 55, 962-977.	0.9	5
89	Interpretation of the observed motions of hard X-ray sources in solar flares. <i>Astronomy Letters</i> , 2010, 36, 514-519.	1.0	4
90	On continuous transitions between discontinuous MHD solutions in the magnetic reconnection problem. <i>Astronomy Letters</i> , 2012, 38, 744-753.	1.0	4

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91	Continuous transitions between discontinuous magnetohydrodynamic flows of plasma and its heating. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 1164-1172.	0.9	4
92	MHD discontinuities in solar flares: Continuous transitions and plasma heating. <i>Advances in Space Research</i> , 2015, 56, 2779-2792.	2.6	4
93	Physical properties of the quiet solar chromosphereâ€œcorona transition region. <i>Astronomy Letters</i> , 2016, 42, 825-840.	1.0	4
94	Electron acceleration in solar-flare magnetic traps: Model properties and their observational confirmations. <i>Astronomy Letters</i> , 2017, 43, 614-623.	1.0	4
95	Solar flare physics. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 417-424.	0.0	3
96	Current state of the problem of solar flares: New observations and new models. <i>Solar System Research</i> , 2006, 40, 85-92.	0.7	3
97	On the classic heat conduction in the chromosphere-corona transition region of the solar atmosphere. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq1 1 0.7843144gBT /O3erlock 10</i>	0.7	3
98	SergeĀIvanovich SyrovatskiĀ-(Obituary). <i>Uspekhi Fizicheskikh Nauk</i> , 1980, 23, 274-275.	0.3	2
99	The flares of April, 1980. <i>Advances in Space Research</i> , 1982, 2, 101-104.	2.6	2
100	Magnetic reconnection in a high-temperature plasma of solar flares. <i>Advances in Space Research</i> , 1984, 4, 183-185.	2.6	2
101	Studying coronal holes through observations of an HeI infrared line and the HĀ± line. <i>Astronomy Reports</i> , 2000, 44, 401-406.	0.9	2
102	The He I 10830 Å... Line as an Indicator of Solar Activity. <i>Solar System Research</i> , 2003, 37, 227-237.	0.7	2
103	Role of anisotropy of the initial particle distribution in the acceleration in collapsing solar-flare traps. <i>Astronomy Letters</i> , 2003, 29, 111-115.	1.0	2
104	Topological model for the large solar flare of July 14, 2000. <i>Astronomy Reports</i> , 2004, 48, 246-253.	0.9	2
105	An interpretation of rapid changes in the magnetic field associated with solar flares. <i>Astronomische Nachrichten</i> , 2008, 329, 786-789.	1.2	2
106	Method of conformal mappings for calculation of electric currents in magnetospheres of compact stars. <i>Journal of Mathematical Sciences</i> , 2011, 172, 852-858.	0.4	2
107	Analytical Models of Generalized SyrovatskiĀâ€™s Current Layer with MHD ShockWaves. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 133-144.	0.3	2
108	On bremsstrahlung radiation of accelerated electrons in solar flares. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2012, 67, 102-108.	0.4	2

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109	Wave-Particle Interaction in Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 129-146.	2.7	2
110	Analytical solution to the problem of interaction between a shock wave and a neutron star's magnetosphere. Doklady Physics, 2014, 59, 355-359.	0.7	2
111	Thermal instability of a reconnecting current layer as a trigger for solar flares. Journal of Experimental and Theoretical Physics, 2017, 125, 347-356.	0.9	2
112	Observational support of reconnection in solar flares. Space Science Reviews, 1994, 68, 129-130.	8.1	1
113	XUV lines emitted from plasma accelerated during magnetic reconnection. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1149-1153.	0.4	1
114	Basic physics of collisionless three-dimensional reconnection in the solar corona related to Yohkoh observations. Advances in Space Research, 2000, 25, 1821-1824.	2.6	1
115	A Simple Topological Model of the Bastille Day Flare (2000, July 14). AIP Conference Proceedings, 2004, , .	0.4	1
116	On the causes of the observed magnetic field imbalance in solar active regions. Astronomy Letters, 2006, 32, 787-793.	1.0	1
117	Instability of entropy waves in cosmic plasma. Cosmic Research, 2008, 46, 392-395.	0.6	1
118	Determination of the gradient magnetic field above a sunspot based on observations of the Hel and Fel infrared lines. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 37	0.4	1
119	Methods of complex analysis in model calculations of the magnetospheres of relativistic stars. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta,) Tj ETQq1 1 0.7843 144rgBT /Overlock 10	0.4	1
120	On the stability of the solar chromosphere-corona transition region. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2011, 66, 462-465.	0.4	1
121	Predicting the main parameters of solar cycle 24 by the number of spotless days in the previous minimum. Izvestiya - Atmospheric and Oceanic Physics, 2012, 48, 717-723.	0.9	1
122	Motion of a Charged Particle in Given Fields. Astrophysics and Space Science Library, 2013, , 87-113.	2.7	1
123	Adiabatic Invariants in Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 115-127.	2.7	1
124	Multi-Fluid Models of Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 211-221.	2.7	1
125	The Generalized Ohm's Law in Plasma. Astrophysics and Space Science Library, 2013, , 223-236.	2.7	1
126	Single-Fluid Models for Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 237-262.	2.7	1



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127	Plasma flows in the quiet solar chromosphere-corona transition region. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2015, 70, 153-159.	0.4	1
128	On the most typical structure of three-dimensional magnetic reconnection. Astronomy Letters, 2016, 42, 774-781.	1.0	1
129	Reconnection in Action. Astrophysics and Space Science Library, 2013, , 91-107.	2.7	1
130	Electrodynamic conversion of energy: Magnetic field amplification in the solar photosphere. Advances in Space Research, 1990, 10, 179-183.	2.6	0
131	Electric currents in magnetic flux-tubes. Advances in Space Research, 1993, 13, 23-26.	2.6	0
132	Non-evolutionarity of a reconnecting current sheet as a cause of its splitting into MHD shocks. Solar Physics, 1995, 158, 43-69.	2.5	0
133	Theoretical perspectives on the study of coronal dynamic phenomena. Advances in Space Research, 1996, 17, 251-259.	2.6	0
134	A two-dimensional model of the magnetosphere of a compact star with an accretion disc. Prikladnaya Matematika I Mekhanika, 2004, 68, 405-412.	0.4	0
135	On ejection of solar plasma enriched with $^3\text{He}$ and Fe I at boundaries of coronal holes. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2009, 64, 334-338.	0.4	0
136	Some properties of discontinuous flows near magnetic reconnection regions. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2010, 65, 126-131.	0.4	0
137	On the Problem of Heat Transport in the Solar Atmosphere. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 39-46.	0.3	0
138	Evolutionary of Discontinuous Plasma Flows in the Vicinity of Reconnecting Current Layers. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 117-131.	0.3	0
139	Plasma heating by discontinuous MHD flows in the vicinity of a magnetic reconnection region. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Tj ETQq1 1 0.784314gBT /Overlock I	0.4	0
140	Solar-Type Flares in Laboratory and Space. Astrophysics and Space Science Library, 2013, , 275-291.	2.7	0
141	Structural Instability of Reconnecting Current Layers. Astrophysics and Space Science Library, 2013, , 321-349.	2.7	0
142	Reconnection in Weakly-Ionized Plasma. Astrophysics and Space Science Library, 2013, , 397-414.	2.7	0
143	Generalized Analytical Models of Reconnection. Astrophysics and Space Science Library, 2013, , 47-65.	2.7	0
144	Electric Currents Related to Reconnection. Astrophysics and Space Science Library, 2013, , 143-175.	2.7	0

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145	Particles and Fields: Exact Self-consistent Description. Astrophysics and Space Science Library, 2013, , 1-17.	2.7	0
146	Propagation of Fast Particles in Plasma. Astrophysics and Space Science Library, 2013, , 59-85.	2.7	0
147	Stationary Flows in a Magnetic Field. Astrophysics and Space Science Library, 2013, , 429-453.	2.7	0
148	Plasma Equilibrium in Magnetic Field. Astrophysics and Space Science Library, 2013, , 403-427.	2.7	0
149	Particle Acceleration by Shock Waves. Astrophysics and Space Science Library, 2013, , 387-401.	2.7	0
150	Evolutionarity of MHD Discontinuities. Astrophysics and Space Science Library, 2013, , 363-386.	2.7	0
151	Macroscopic Description of Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 181-210.	2.7	0
152	Statistical Description of Interacting Particle Systems. Astrophysics and Space Science Library, 2013, , 19-36.	2.7	0
153	Weakly-Coupled Systems with Binary Collisions. Astrophysics and Space Science Library, 2013, , 37-57.	2.7	0
154	Coulomb Collisions in Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 147-180.	2.7	0
155	Magnetohydrodynamics in Astrophysics. Astrophysics and Space Science Library, 2013, , 263-283.	2.7	0
156	Plasma Flows in a Strong Magnetic Field. Astrophysics and Space Science Library, 2013, , 285-306.	2.7	0
157	MHD Waves in Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 307-332.	2.7	0
158	Discontinuous Flows in a MHD Medium. Astrophysics and Space Science Library, 2013, , 333-361.	2.7	0
159	Discontinuous plasma flows near reconnecting current layers in solar flares. Astronomy Reports, 2017, 61, 239-255.	0.9	0
160	On an efficient shock wave generation mechanism in the quiet solar transition region. Astronomy Letters, 2017, 43, 567-572.	1.0	0
161	The Bastille Day Flare and Similar Solar Flares. Astrophysics and Space Science Library, 2013, , 109-141.	2.7	0
162	Reconnection in a Strong Magnetic Field. Astrophysics and Space Science Library, 2013, , 19-45.	2.7	0

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163	Magnetic Reconnection of Electric Currents. <i>Astrophysics and Space Science Library</i> , 2013, , 415-437.	2.7	0
164	Tearing Instability of Reconnecting Current Layers. <i>Astrophysics and Space Science Library</i> , 2013, , 351-376.	2.7	0
165	Fast Particles in Solar Flares. <i>Astrophysics and Space Science Library</i> , 2013, , 439-457.	2.7	0
166	Models of Reconnecting Current Layers. <i>Astrophysics and Space Science Library</i> , 2013, , 177-211.	2.7	0
167	Collapsing Magnetic Traps in Solar Flares. <i>Astrophysics and Space Science Library</i> , 2013, , 213-274.	2.7	0