

# 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  
g-index

170  
all docs

170  
docs citations

170  
times ranked

730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discontinuous plasma flows near reconnecting current layers in solar flares. <i>Astronomy Reports</i> , 2017, 61, 239-255.	0.9	0
2	Electron acceleration in solar-flare magnetic traps: Model properties and their observational confirmations. <i>Astronomy Letters</i> , 2017, 43, 614-623.	1.0	4
3	On an efficient shock wave generation mechanism in the quiet solar transition region. <i>Astronomy Letters</i> , 2017, 43, 567-572.	1.0	0
4	Thermal instability of a reconnecting current layer as a trigger for solar flares. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 125, 347-356.	0.9	2
5	Physical properties of the quiet solar chromosphere–corona transition region. <i>Astronomy Letters</i> , 2016, 42, 825-840.	1.0	4
6	Thermal instability of the reconnecting current layer in solar flares. <i>Astronomy Letters</i> , 2016, 42, 841-849.	1.0	7
7	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
8	On the most typical structure of three-dimensional magnetic reconnection. <i>Astronomy Letters</i> , 2016, 42, 774-781.	1.0	1
9	MHD discontinuities in solar flares: Continuous transitions and plasma heating. <i>Advances in Space Research</i> , 2015, 56, 2779-2792.	2.6	4
10	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
11	Plasma flows in the quiet solar chromosphere-corona transition region. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2015, 70, 153-159.	0.4	1
12	Analytical solution to the problem of interaction between a shock wave and a neutron star's magnetosphere. <i>Doklady Physics</i> , 2014, 59, 355-359.	0.7	2
13	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
14	Plasma heating by discontinuous MHD flows in the vicinity of a magnetic reconnection region. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta)</i> , 2014, 69, 101-104.	0.4	1
15	Magnetic Reconnection. <i>Astrophysics and Space Science Library</i> , 2013, , 1-17.	2.7	22
16	Solar-Type Flares in Laboratory and Space. <i>Astrophysics and Space Science Library</i> , 2013, , 275-291.	2.7	0
17	Structural Instability of Reconnecting Current Layers. <i>Astrophysics and Space Science Library</i> , 2013, , 321-349.	2.7	0
18	Magnetic Reconnection and Turbulence. <i>Astrophysics and Space Science Library</i> , 2013, , 377-396.	2.7	17

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19	Reconnection in Weakly-Ionized Plasma. <i>Astrophysics and Space Science Library</i> , 2013, , 397-414.	2.7	0
20	Generalized Analytical Models of Reconnection. <i>Astrophysics and Space Science Library</i> , 2013, , 47-65.	2.7	0
21	Electric Currents Related to Reconnection. <i>Astrophysics and Space Science Library</i> , 2013, , 143-175.	2.7	0
22	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
23	Particles and Fields: Exact Self-consistent Description. <i>Astrophysics and Space Science Library</i> , 2013, , 1-17.	2.7	0
24	Propagation of Fast Particles in Plasma. <i>Astrophysics and Space Science Library</i> , 2013, , 59-85.	2.7	0
25	Stationary Flows in a Magnetic Field. <i>Astrophysics and Space Science Library</i> , 2013, , 429-453.	2.7	0
26	Plasma Equilibrium in Magnetic Field. <i>Astrophysics and Space Science Library</i> , 2013, , 403-427.	2.7	0
27	Particle Acceleration by Shock Waves. <i>Astrophysics and Space Science Library</i> , 2013, , 387-401.	2.7	0
28	Evolutionarity of MHD Discontinuities. <i>Astrophysics and Space Science Library</i> , 2013, , 363-386.	2.7	0
29	Macroscopic Description of Astrophysical Plasma. <i>Astrophysics and Space Science Library</i> , 2013, , 181-210.	2.7	0
30	Statistical Description of Interacting Particle Systems. <i>Astrophysics and Space Science Library</i> , 2013, , 19-36.	2.7	0
31	Weakly-Coupled Systems with Binary Collisions. <i>Astrophysics and Space Science Library</i> , 2013, , 37-57.	2.7	0
32	Motion of a Charged Particle in Given Fields. <i>Astrophysics and Space Science Library</i> , 2013, , 87-113.	2.7	1
33	Adiabatic Invariants in Astrophysical Plasma. <i>Astrophysics and Space Science Library</i> , 2013, , 115-127.	2.7	1
34	Wave-Particle Interaction in Astrophysical Plasma. <i>Astrophysics and Space Science Library</i> , 2013, , 129-146.	2.7	2
35	Coulomb Collisions in Astrophysical Plasma. <i>Astrophysics and Space Science Library</i> , 2013, , 147-180.	2.7	0
36	Multi-Fluid Models of Astrophysical Plasma. <i>Astrophysics and Space Science Library</i> , 2013, , 211-221.	2.7	1

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37	The Generalized Ohm's Law in Plasma. Astrophysics and Space Science Library, 2013, , 223-236.	2.7	1
38	Single-Fluid Models for Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 237-262.	2.7	1
39	Magnetohydrodynamics in Astrophysics. Astrophysics and Space Science Library, 2013, , 263-283.	2.7	0
40	Plasma Flows in a Strong Magnetic Field. Astrophysics and Space Science Library, 2013, , 285-306.	2.7	0
41	MHD Waves in Astrophysical Plasma. Astrophysics and Space Science Library, 2013, , 307-332.	2.7	0
42	Discontinuous Flows in a MHD Medium. Astrophysics and Space Science Library, 2013, , 333-361.	2.7	0
43	The Bastille Day Flare and Similar Solar Flares. Astrophysics and Space Science Library, 2013, , 109-141.	2.7	0
44	Reconnection in a Strong Magnetic Field. Astrophysics and Space Science Library, 2013, , 19-45.	2.7	0
45	Magnetic Reconnection of Electric Currents. Astrophysics and Space Science Library, 2013, , 415-437.	2.7	0
46	Evidence of Reconnection in Solar Flares. Astrophysics and Space Science Library, 2013, , 67-90.	2.7	17
47	Reconnection in Action. Astrophysics and Space Science Library, 2013, , 91-107.	2.7	1
48	Tearing Instability of Reconnecting Current Layers. Astrophysics and Space Science Library, 2013, , 351-376.	2.7	0
49	Particle Acceleration in Current Layers. Astrophysics and Space Science Library, 2013, , 293-320.	2.7	17
50	Fast Particles in Solar Flares. Astrophysics and Space Science Library, 2013, , 439-457.	2.7	0
51	Models of Reconnecting Current Layers. Astrophysics and Space Science Library, 2013, , 177-211.	2.7	0
52	Collapsing Magnetic Traps in Solar Flares. Astrophysics and Space Science Library, 2013, , 213-274.	2.7	0
53	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
54	Analytical Models of Generalized Syrovatskii's Current Layer with MHD ShockWaves. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 133-144.	0.3	2

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55	On the nature of the transition region between the solar corona and chromosphere. <i>Astronomy Letters</i> , 2012, 38, 801-812.	1.0	6
56	On continuous transitions between discontinuous MHD solutions in the magnetic reconnection problem. <i>Astronomy Letters</i> , 2012, 38, 744-753.	1.0	4
57	On the Problem of Heat Transport in the Solar Atmosphere. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 39-46.	0.3	0
58	Evolutionary of Discontinuous Plasma Flows in the Vicinity of Reconnecting Current Layers. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 117-131.	0.3	0
59	Magnetic-topology evolution in NOAA AR 10501 on 2003 November 18. <i>Astronomy and Astrophysics</i> , 2012, 538, A138.	5.1	22
60	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
61	On the magnetic reconnection of electric currents in solar flares. <i>Astronomy Letters</i> , 2012, 38, 128-138.	1.0	22
62	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
63	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
64	Generalized analytical models of Syrovatskii's current sheet. <i>Astronomy Letters</i> , 2011, 37, 113-130.	1.0	50
65	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
66	On the heat conduction in a high-temperature plasma in solar flares. <i>Astronomy Letters</i> , 2011, 37, 726-736.	1.0	12
67	A new scenario for impulsive bursts of hard electromagnetic radiation in space plasma. <i>Astronomy Letters</i> , 2011, 37, 679-691.	1.0	22
68	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
69	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
70	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
71	On the stability of the solar chromosphere-corona transition region. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2011, 66, 462-465.	0.4	1
72	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

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73	Method of conformal mappings for calculation of electric currents in magnetospheres of compact stars. Journal of Mathematical Sciences, 2011, 172, 852-858.	0.4	2
74	EVIDENCE OF SOLAR FLARE TRIGGERING DUE TO LOOP-LOOP INTERACTION CAUSED BY FOOTPOINT SHEAR MOTION. Astrophysical Journal, 2010, 723, 1651-1664.	4.5	25
75	Interpretation of the observed motions of hard X-ray sources in solar flares. Astronomy Letters, 2010, 36, 514-519.	1.0	4
76	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
77	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 0.784314rgBT /Overlock 10	0.4	0
78	On the classic heat conduction in the chromosphere-corona transition region of the solar atmosphere. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 53	0.4	0
79	Magnetic reconnection in solar flares. Physics-Uspexhi, 2010, 53, 954-958.	2.2	16
80	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
81	Determination of the gradient magnetic field above a sunspot based on observations of the HeI and FeI infrared lines. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq1 1 0.784314rgBT /Overlock 10	0.4	0
82	Effect of Coulomb collisions on the particle acceleration in collapsing magnetic traps. Astronomy Letters, 2009, 35, 57-69.	1.0	36
83	Analytical description of charged particle motion in a reconnecting current sheet. Astronomy Letters, 2009, 35, 195-206.	1.0	39
84	Evolution of the photospheric magnetic field and coronal null points before solar flares. Astronomy Letters, 2009, 35, 207-213.	1.0	23
85	MAGNETIC RECONNECTION DURING THE TWO-PHASE EVOLUTION OF A SOLAR ERUPTIVE FLARE. Astrophysical Journal, 2009, 706, 1438-1450.	4.5	46
86	An interpretation of rapid changes in the magnetic field associated with solar flares. Astronomische Nachrichten, 2008, 329, 786-789.	1.2	2
87	Magnetic reconnection, electric field, and particle acceleration in the July 14, 2000 solar flare. Astronomy Letters, 2008, 34, 327-336.	1.0	20
88	On the topological trigger of large eruptive solar flares. Astronomy Letters, 2008, 34, 635-645.	1.0	22
89	Instability of entropy waves in cosmic plasma. Cosmic Research, 2008, 46, 392-395.	0.6	1
90	Formation of power-law electron spectra in collapsing magnetic traps. Astronomy Letters, 2007, 33, 54-62.	1.0	30

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91	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
92	Peculiarities of entropy and magnetosonic waves in optically thin cosmic plasma. <i>Astronomy Letters</i> , 2007, 33, 309-318.	1.0	29
93	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
94	On the causes of the observed magnetic field imbalance in solar active regions. <i>Astronomy Letters</i> , 2006, 32, 787-793.	1.0	1
95	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
96	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
97	Large-scale reconnection in a large flare. <i>Advances in Space Research</i> , 2005, 35, 1712-1722.	2.6	27
98	Comparison of the Fermi and betatron acceleration efficiencies in collapsing magnetic traps. <i>Astronomy Letters</i> , 2005, 31, 537-545.	1.0	41
99	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
100	Topological model for the large solar flare of July 14, 2000. <i>Astronomy Reports</i> , 2004, 48, 246-253.	0.9	2
101	A two-dimensional model of the magnetosphere of a compact star with an accretion disc. <i>Prikladnaya Matematika I Mekhanika</i> , 2004, 68, 405-412.	0.4	0
102	Solar flare physics. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 417-424.	0.0	3
103	A Simple Topological Model of the Bastille Day Flare (2000, July 14). <i>AIP Conference Proceedings</i> , 2004, , .	0.4	1
104	The He I 10830 Å... Line as an Indicator of Solar Activity. <i>Solar System Research</i> , 2003, 37, 227-237.	0.7	2
105	Modeling large solar flares. <i>Advances in Space Research</i> , 2003, 32, 2439-2450.	2.6	28
106	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
107	The role of collisions in the particle acceleration in solar-flare magnetic traps. <i>Astronomy Letters</i> , 2003, 29, 409-415.	1.0	26
108	The betatron effect in collapsing magnetic traps. <i>Astronomy Letters</i> , 2003, 29, 621-628.	1.0	45

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109	Flares in accretion disk coronae. <i>Advances in Space Research</i> , 2003, 32, 1087-1096.	2.6	44
110	Magnetic Reconnection Scenario of the Bastille Day 2000 Flare. <i>Astrophysical Journal</i> , 2002, 579, 863-873.	4.5	80
111	Three-dimensional reconnection at the sun: space observations and collisionless models. <i>Advances in Space Research</i> , 2002, 29, 1035-1044.	2.6	18
112	Is it possible to accelerate ions in collapsing magnetic traps?. <i>Advances in Space Research</i> , 2002, 30, 55-60.	2.6	20
113	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
114	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
115	Acceleration of charged particles in collapsing magnetic traps during solar flares. <i>Astronomy Reports</i> , 2001, 45, 157-161.	0.9	5
116	A simple analytic model of reconnection in a high-temperature turbulent sheet. <i>Astronomy Letters</i> , 2000, 26, 750-755.	1.0	9
117	Studying coronal holes through observations of an HeI infrared line and the H $\beta$ line. <i>Astronomy Reports</i> , 2000, 44, 401-406.	0.9	2
118	Basic physics of collisionless three-dimensional reconnection in the solar corona related to Yokkoh observations. <i>Advances in Space Research</i> , 2000, 25, 1821-1824.	2.6	1
119	Cosmic Plasma Physics. <i>Astrophysics and Space Science Library</i> , 2000, , .	2.7	69
120	Collisionless Three-dimensional Reconnection in Impulsive Solar Flares. <i>Astrophysical Journal</i> , 1998, 497, 943-956.	4.5	45
121	Collisionless Reconnection and High-energy Particle Acceleration in Solar Flares. <i>Astrophysical Journal</i> , 1997, 485, 859-868.	4.5	248
122	Theoretical perspectives on the study of coronal dynamic phenomena. <i>Advances in Space Research</i> , 1996, 17, 251-259.	2.6	0
123	Magnetohydrodynamic discontinuities in space plasmas: Interrelation between stability and structure. <i>Space Science Reviews</i> , 1996, 78, 443.	8.1	32
124	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
125	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
126	XUV lines emitted from plasma accelerated during magnetic reconnection. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1995, 17, 1149-1153.	0.4	1



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127	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
128	Relativistic acceleration of protons in reconnecting current sheets of solar flares. Solar Physics, 1995, 158, 317-330.	2.5	73
129	Observational support of reconnection in solar flares. Space Science Reviews, 1994, 68, 129-130.	8.1	1
130	Features of mass supply and flows related with reconnection in the solar corona. Space Science Reviews, 1994, 70, 161-166.	8.1	21
131	Magnetic reconnection in the temperature minimum region and prominence formation. Solar Physics, 1994, 151, 265-270.	2.5	41
132	Electric currents in magnetic flux-tubes. Advances in Space Research, 1993, 13, 23-26.	2.6	0
133	Tearing instability of reconnecting current sheets in space plasmas. Space Science Reviews, 1993, 65, 253-288.	8.1	46
134	Particle acceleration in reconnecting current sheets. Solar Physics, 1993, 146, 127-133.	2.5	99
135	Physical Processes in Solar Flares. Astrophysics and Space Science Library, 1992, , .	2.7	214
136	Magnetically driven coronal transients. Advances in Space Research, 1991, 11, 179-185.	2.6	9
137	Nonthermal electrons in the thick-target reverse-current model for hard X-ray bremsstrahlung. Solar Physics, 1991, 131, 319-336.	2.5	33
138	A Scenario for the Large-Scale Magnetic Field Evolution in CMEs. Journal of Geomagnetism and Geoelectricity, 1991, 43, 31-36.	0.9	20
139	Magnetic reconnection on the separator as a cause of a two-ribbon flare. Advances in Space Research, 1990, 10, 105-108.	2.6	35
140	Electrodynamic conversion of energy: Magnetic field amplification in the solar photosphere. Advances in Space Research, 1990, 10, 179-183.	2.6	0
141	Magnetic reconnection in a high-temperature plasma of solar flares. Solar Physics, 1989, 120, 93-115.	2.5	36
142	Photospheric vortex flows as a cause for two-ribbon flares: A topological model. Solar Physics, 1988, 117, 77-88.	2.5	118
143	Magnetic reconnection in high-temperature plasma of solar flares. Solar Physics, 1988, 117, 89-95.	2.5	14
144	Thermal electrons runaway from a hot plasma during a flare in the reverse-current model and their X-ray bremsstrahlung. Solar Physics, 1988, 116, 119.	2.5	52

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145	Energy release in flares. <i>Advances in Space Research</i> , 1986, 6, 177-185.	2.6	5
146	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
147	Magnetic reconnection in a high-temperature plasma of solar flares. <i>Solar Physics</i> , 1985, 102, 79-96.	2.5	54
148	Magnetic reconnection in a high-temperature plasma of solar flares. <i>Solar Physics</i> , 1985, 95, 141-153.	2.5	18
149	New theoretical models of solar flares. <i>Uspekhi Fizicheskikh Nauk</i> , 1985, 28, 271-272.	0.3	13
150	Magnetic reconnection in a high-temperature plasma of solar flares. <i>Advances in Space Research</i> , 1984, 4, 183-185.	2.6	2
151	Flare loops heated by thermal conduction. <i>Solar Physics</i> , 1984, 93, 95-104.	2.5	30
152	The flares of April 1980. <i>Solar Physics</i> , 1983, 85, 157-184.	2.5	57
153	Purely coronal flare-like variations. <i>Solar Physics</i> , 1983, 85, 313-337.	2.5	27
154	Evolution of a flaring loop after injection of energetic electrons. <i>Solar Physics</i> , 1983, 88, 257.	2.5	41
155	The flares of April, 1980. <i>Advances in Space Research</i> , 1982, 2, 101-104.	2.6	2
156	Hydrodynamic response of the solar chromosphere to an elementary flare burst. <i>Solar Physics</i> , 1982, 81, 281-292.	2.5	47
157	Thermal trigger for solar flares and coronal loops formation. <i>Solar Physics</i> , 1982, 75, 237-244.	2.5	38
158	Hydrodynamic shock wave formation in the solar chromosphere and corona during flares. <i>Space Science Reviews</i> , 1982, 32, 27.	8.1	8
159	Hydrodynamic response of the solar chromosphere to an elementary flare burst. <i>Solar Physics</i> , 1981, 73, 145.	2.5	107
160	Sergeĭ Ivanovich Syrovatskiĭ (Obituary). <i>Uspekhi Fizicheskikh Nauk</i> , 1980, 23, 274-275.	0.3	2
161	Heat transfer in solar flares. <i>Solar Physics</i> , 1978, 60, 315-321.	2.5	5
162	Current sheets as the source of heating for solar active regions. <i>Solar Physics</i> , 1977, 55, 393-399.	2.5	28

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163	Physical processes in the solar atmosphere associated with flares. Uspekhi Fizicheskikh Nauk, 1976, 19, 813-835.	0.3	88
164	X-ray heating of a low-temperature region in chromospheric flares. Solar Physics, 1975, 42, 235-246.	2.5	46
165	On the low-temperature region of chromospheric flares. Solar Physics, 1974, 39, 415-430.	2.5	11
166	Possible mechanism of surge formation in the solar atmosphere. Solar Physics, 1973, 30, 139-147.	2.5	11
167	The magnetic field of a rotating cloud and magneto-rotational explosions. Astrophysics and Space Science, 1971, 11, 264-283.	1.4	29