

Spiro K Antiochos

List of Publications by Year in descending order

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179
papers

11,084
citations

28190

55
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186
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186
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186
times ranked

2411
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#	ARTICLE	IF	CITATIONS
1	A Model for Solar Coronal Mass Ejections. <i>Astrophysical Journal</i> , 1999, 510, 485-493.	1.6	1,180
2	CME Theory and Models. <i>Space Science Reviews</i> , 2006, 123, 251-302.	3.7	336
3	A MODEL FOR SOLAR POLAR JETS. <i>Astrophysical Journal</i> , 2009, 691, 61-74.	1.6	307
4	The Magnetic Topology of Solar Eruptions. <i>Astrophysical Journal</i> , 1998, 502, L181-L184.	1.6	296
5	The Topology and Evolution of the Bastille Day Flare. <i>Astrophysical Journal</i> , 2000, 540, 1126-1142.	1.6	246
6	A MODEL FOR THE SOURCES OF THE SLOW SOLAR WIND. <i>Astrophysical Journal</i> , 2011, 731, 112.	1.6	228
7	Force-free magnetic fields - The magneto-frictional method. <i>Astrophysical Journal</i> , 1986, 309, 383.	1.6	221
8	THE MECHANISMS FOR THE ONSET AND EXPLOSIVE ERUPTION OF CORONAL MASS EJECTIONS AND ERUPTIVE FLARES. <i>Astrophysical Journal</i> , 2012, 760, 81.	1.6	214
9	The magnetic field of solar prominences. <i>Astrophysical Journal</i> , 1994, 420, L41.	1.6	208
10	Topological Evolution of a Fast Magnetic Breakout CME in Three Dimensions. <i>Astrophysical Journal</i> , 2008, 683, 1192-1206.	1.6	204
11	The Dynamic Formation of Prominence Condensations. <i>Astrophysical Journal</i> , 1999, 512, 985-991.	1.6	185
12	Dynamical Formation and Stability of Helical Prominence Magnetic Fields. <i>Astrophysical Journal</i> , 2000, 539, 954-963.	1.6	182
13	Evaporative cooling of flare plasma. <i>Astrophysical Journal</i> , 1978, 220, 1137.	1.6	180
14	Numerical modeling of quasi-static coronal loops. I - Uniform energy input. <i>Astrophysical Journal</i> , 1979, 233, 987.	1.6	179
15	Cooling of solar flares plasmas. 1: Theoretical considerations. <i>Astrophysical Journal</i> , 1995, 439, 1034.	1.6	176
16	A universal model for solar eruptions. <i>Nature</i> , 2017, 544, 452-455.	13.7	173
17	Homologous Confined Filament Eruptions via Magnetic Breakout. <i>Astrophysical Journal</i> , 2008, 680, 740-756.	1.6	168
18	THREE-DIMENSIONAL MODELING OF QUASI-HOMOLOGOUS SOLAR JETS. <i>Astrophysical Journal</i> , 2010, 714, 1762-1778.	1.6	164

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19	Are Magnetic Dips Necessary for Prominence Formation?. <i>Astrophysical Journal</i> , 2001, 553, L85-L88.	1.6	161
20	Slow Solar Wind: Observations and Modeling. <i>Space Science Reviews</i> , 2016, 201, 55-108.	3.7	147
21	Reconnection of Twisted Flux Tubes as a Function of Contact Angle. <i>Astrophysical Journal</i> , 2001, 553, 905-921.	1.6	137
22	<i>STEREO</i> SECCHI Stereoscopic Observations Constraining the Initiation of Polar Coronal Jets. <i>Astrophysical Journal</i> , 2008, 680, L73-L76.	1.6	137
23	A model for the formation of solar prominences. <i>Astrophysical Journal</i> , 1991, 378, 372.	1.6	134
24	The structure of the static corona and transition region. <i>Astrophysical Journal</i> , 1986, 301, 440.	1.6	130
25	A Numerical Study of the Breakout Model for Coronal Mass Ejection Initiation. <i>Astrophysical Journal</i> , 2004, 614, 1028-1041.	1.6	128
26	Observable Properties of the Breakout Model for Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2004, 617, 589-599.	1.6	122
27	Effect of coronal elemental abundances on the radiative loss function. <i>Astrophysical Journal</i> , 1989, 338, 1176.	1.6	121
28	ROTATION OF CORONAL MASS EJECTIONS DURING ERUPTION. <i>Astrophysical Journal</i> , 2009, 697, 1918-1927.	1.6	113
29	MAGNETIC TOPOLOGY OF CORONAL HOLE LINKAGES. <i>Astrophysical Journal</i> , 2011, 731, 111.	1.6	112
30	Internal structure of magnetic clouds: Plasma and composition. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	110
31	Model for straight and helical solar jets. <i>Astronomy and Astrophysics</i> , 2015, 573, A130.	2.1	108
32	Solar cycle-dependent helicity transport by magnetic clouds. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	104
33	A Breakout Model for Solar Coronal Jets with Filaments. <i>Astrophysical Journal</i> , 2018, 852, 98.	1.6	98
34	Coordinated Einstein and IUE observations of a disaritions brusques type flare event and quiescent emission from Proxima Centauri. <i>Astrophysical Journal</i> , 1983, 267, 280.	1.6	98
35	The Origin of High-Speed Motions and Threads in Prominences. <i>Astrophysical Journal</i> , 2006, 637, 531-540.	1.6	91
36	A MODEL FOR THE ESCAPE OF SOLAR-FLARE-ACCELERATED PARTICLES. <i>Astrophysical Journal</i> , 2013, 771, 82.	1.6	87

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37	Prominence Magnetic Dips in Three-dimensional Sheared Arcades. <i>Astrophysical Journal</i> , 2002, 567, L97-L101.	1.6	87
38	Stellar coronae in the Hyades - A soft X-ray survey with the Einstein Observatory. <i>Astrophysical Journal</i> , 1981, 249, 647.	1.6	86
39	Structure and Dynamics of the Sun's Open Magnetic Field. <i>Astrophysical Journal</i> , 2007, 671, 936-946.	1.6	80
40	The topology of force-free magnetic fields and its implications for coronal activity. <i>Astrophysical Journal</i> , 1987, 312, 886.	1.6	80
41	Dynamic Responses to Magnetic Reconnection in Solar Arcades. <i>Astrophysical Journal</i> , 1998, 495, 491-501.	1.6	80
42	An Explanation for the "Switch-On" Nature of Magnetic Energy Release and Its Application to Coronal Heating. <i>Astrophysical Journal</i> , 2005, 622, 1191-1201.	1.6	79
43	CAN THERMAL NONEQUILIBRIUM EXPLAIN CORONAL LOOPS?. <i>Astrophysical Journal</i> , 2010, 714, 1239-1248.	1.6	76
44	Solar Prominence Interactions. <i>Astrophysical Journal</i> , 2005, 629, 1122-1134.	1.6	75
45	Constraints on Active Region Coronal Heating. <i>Astrophysical Journal</i> , 2003, 590, 547-553.	1.6	73
46	The Thermal Nonequilibrium of Prominences. <i>Astrophysical Journal</i> , 2000, 536, 494-499.	1.6	73
47	CONSTRAINTS ON CORONAL MASS EJECTION EVOLUTION FROM IN SITU OBSERVATIONS OF IONIC CHARGE STATES. <i>Astrophysical Journal</i> , 2011, 730, 103.	1.6	69
48	SIMULATIONS OF EMERGING MAGNETIC FLUX. II. THE FORMATION OF UNSTABLE CORONAL FLUX ROPES AND THE INITIATION OF CORONAL MASS EJECTIONS. <i>Astrophysical Journal</i> , 2014, 787, 46.	1.6	67
49	Influence of magnetic field structure on the conduction cooling of flare loops. <i>Solar Physics</i> , 1976, 49, 359-367.	1.0	65
50	Condensation Formation by Impulsive Heating in Prominences. <i>Astrophysical Journal</i> , 2008, 676, 658-671.	1.6	64
51	Secondary instability in three-dimensional magnetic reconnection. <i>Physics of Fluids B</i> , 1992, 4, 3902-3914.	1.7	63
52	HELICITY CONDENSATION AS THE ORIGIN OF CORONAL AND SOLAR WIND STRUCTURE. <i>Astrophysical Journal</i> , 2013, 772, 72.	1.6	62
53	Prominence Formation by Thermal Nonequilibrium in the Sheared-Arcade Model. <i>Astrophysical Journal</i> , 2005, 635, 1319-1328.	1.6	60
54	Implications of L1 observations for slow solar wind formation by solar reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 4089-4097.	1.5	60

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55	A Transient Heating Model for Coronal Structure and Dynamics. <i>Astrophysical Journal</i> , 2003, 582, 486-494.	1.6	59
56	INTERCHANGE RECONNECTION AND CORONAL HOLE DYNAMICS. <i>Astrophysical Journal</i> , 2010, 714, 517-531.	1.6	56
57	Constraints on the Magnetic Field Geometry in Prominences. <i>Astrophysical Journal</i> , 2003, 593, 1187-1194.	1.6	54
58	THE EVOLUTION OF OPEN MAGNETIC FLUX DRIVEN BY PHOTOSPHERIC DYNAMICS. <i>Astrophysical Journal</i> , 2011, 731, 110.	1.6	54
59	Global network of slow solar wind. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	54
60	The Role of Magnetic Reconnection in Chromospheric Eruptions. <i>Astrophysical Journal</i> , 1995, 450, 422.	1.6	53
61	Twisted Coronal Magnetic Loops. <i>Astrophysical Journal</i> , 2000, 542, 504-512.	1.6	52
62	Magnetic Reconnection Models of Prominence Formation. <i>Astrophysical Journal</i> , 2005, 634, 1395-1404.	1.6	51
63	The Structure and Dynamics of the Corona–Heliosphere Connection. <i>Space Science Reviews</i> , 2012, 172, 169-185.	3.7	51
64	A numerical study of the nonlinear thermal stability of solar loops. <i>Astrophysical Journal</i> , 1987, 320, 409.	1.6	49
65	RECONNECTION-DRIVEN CORONAL-HOLE JETS WITH GRAVITY AND SOLAR WIND. <i>Astrophysical Journal</i> , 2017, 834, 62.	1.6	48
66	Solar Prominence Merging. <i>Astrophysical Journal</i> , 2006, 646, 1349-1357.	1.6	46
67	COMPOSITION OF CORONAL MASS EJECTIONS. <i>Astrophysical Journal</i> , 2016, 826, 10.	1.6	46
68	Coronal current-sheet formation - The effect of asymmetric and symmetric shears. <i>Astrophysical Journal</i> , 1991, 382, 327.	1.6	46
69	Comparison between cool and hot plasma behaviors of surges. <i>Astrophysical Journal</i> , 1994, 425, 326.	1.6	45
70	Assessing the Quality of Models of the Ambient Solar Wind. <i>Space Weather</i> , 2018, 16, 1644-1667.	1.3	44
71	RECONNECTION-DRIVEN DYNAMICS OF CORONAL-HOLE BOUNDARIES. <i>Astrophysical Journal</i> , 2009, 707, 1427-1437.	1.6	44
72	The Role of Magnetic Helicity in Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2005, 624, L129-L132.	1.6	43

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73	Evidence for the Magnetic Breakout Model in an Equatorial Coronal-hole Jet. <i>Astrophysical Journal</i> , 2018, 854, 155.	1.6	43
74	Prominence Formation by Localized Heating. <i>Astrophysical Journal</i> , 1998, 495, 485-490.	1.6	42
75	Observations of Solar Coronal Rain in Null Point Topologies. <i>Astrophysical Journal Letters</i> , 2019, 874, L33.	3.0	42
76	Radiative-dominated cooling of the flare corona and transition region. <i>Astrophysical Journal</i> , 1980, 241, 385.	1.6	42
77	A Numerical Study of the Sudden Eruption of Sheared Magnetic Fields. <i>Astrophysical Journal</i> , 1994, 423, 847.	1.6	42
78	FORMATION AND RECONNECTION OF THREE-DIMENSIONAL CURRENT SHEETS IN THE SOLAR CORONA. <i>Astrophysical Journal</i> , 2010, 718, 72-85.	1.6	41
79	Dynamics of Coronal Hole Boundaries. <i>Astrophysical Journal</i> , 2017, 837, 113.	1.6	41
80	Episodic coronal heating. <i>Astrophysical Journal</i> , 1990, 356, L31.	1.6	40
81	SYMMETRIC CORONAL JETS: A RECONNECTION-CONTROLLED STUDY. <i>Astrophysical Journal</i> , 2010, 715, 1556-1565.	1.6	38
82	Multiwavelength Study of Equatorial Coronal-hole Jets. <i>Astrophysical Journal</i> , 2019, 873, 93.	1.6	38
83	The stability of solar coronal loops. <i>Astrophysical Journal</i> , 1979, 232, L125.	1.6	38
84	Coronal Magnetic Field Relaxation by Null Point Reconnection. <i>Astrophysical Journal</i> , 2002, 575, 578-584.	1.6	37
85	FILAMENT CHANNEL FORMATION VIA MAGNETIC HELICITY CONDENSATION. <i>Astrophysical Journal</i> , 2015, 809, 137.	1.6	36
86	Formation of Heliospheric Arcs of Slow Solar Wind. <i>Astrophysical Journal Letters</i> , 2017, 840, L10.	3.0	36
87	First Detection of Plasmoids from Breakout Reconnection on the Sun. <i>Astrophysical Journal Letters</i> , 2019, 885, L15.	3.0	36
88	The Kelvin-Helmholtz instability in photospheric flows - Effects of coronal heating and structure. <i>Astrophysical Journal</i> , 1993, 403, 769.	1.6	35
89	Magnetic Free Energies of Breakout Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2005, 628, 1031-1045.	1.6	34
90	GLOBAL-SCALE CONSEQUENCES OF MAGNETIC-HELICITY INJECTION AND CONDENSATION ON THE SUN. <i>Astrophysical Journal</i> , 2014, 784, 164.	1.6	33

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91	Mass flows and the ionization states of coronal loops. <i>Astrophysical Journal</i> , 1989, 338, 1131.	1.6	33
92	Thermal and Nonthermal Emission in Solar Flares. <i>Astrophysical Journal</i> , 2004, 611, L49-L52.	1.6	32
93	Dynamics of solar coronal magnetic fields. <i>Astrophysical Journal</i> , 1991, 383, 420.	1.6	32
94	Escape of Flare-accelerated Particles in Solar Eruptive Events. <i>Astrophysical Journal</i> , 2019, 884, 143.	1.6	31
95	On the formation of current sheets in the solar corona. <i>Astrophysical Journal</i> , 1990, 356, L67.	1.6	31
96	A dynamic model for the solar transition region. <i>Astrophysical Journal</i> , 1984, 280, 416.	1.6	30
97	On the dividing line for stellar coronae. <i>Astrophysical Journal</i> , 1986, 307, L55.	1.6	30
98	A Transient Heating Model for the Structure and Dynamics of the Solar Transition Region. <i>Astrophysical Journal</i> , 2006, 642, 579-583.	1.6	30
99	Reconnection-driven Current Filamentation in Solar Arcades. <i>Astrophysical Journal</i> , 1996, 460, .	1.6	29
100	THE ROLE OF MAGNETIC HELICITY IN STRUCTURING THE SOLAR CORONA. <i>Astrophysical Journal</i> , 2017, 835, 85.	1.6	28
101	A Model for Energy Buildup and Eruption Onset in Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2019, 879, 96.	1.6	27
102	Magnetic flux tube tunneling. <i>Physical Review E</i> , 1997, 56, 2094-2103.	0.8	25
103	The Mechanism for the Energy Buildup Driving Solar Eruptive Events. <i>Astrophysical Journal Letters</i> , 2017, 851, L17.	3.0	25
104	Nonequilibrium ionization effects in asymmetrically heated loops. <i>Astrophysical Journal</i> , 1991, 382, 338.	1.6	25
105	ACHIEVING CONSISTENT DOPPLER MEASUREMENTS FROM SDO/HMI VECTOR FIELD INVERSIONS. <i>Astrophysical Journal</i> , 2016, 823, 101.	1.6	24
106	Modeling of coronal X-ray emission from active cool stars. I Hyades cluster. <i>Astrophysical Journal</i> , 1986, 305, 417.	1.6	24
107	The cooling and condensation of flare coronal plasma. <i>Astrophysical Journal</i> , 1982, 254, 343.	1.6	23
108	The effects of nonequilibrium ionization on the radiative losses of the solar corona. <i>Astrophysical Journal</i> , 1990, 362, 370.	1.6	23

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109	Magnetic Flux Tube Reconnection: Tunneling Versus Slingshot. <i>Astrophysical Journal</i> , 2005, 625, 506-521.	1.6	22
110	A Model for Coronal Hole Bright Points and Jets Due to Moving Magnetic Elements. <i>Astrophysical Journal</i> , 2018, 864, 165.	1.6	22
111	From Pseudostreamer Jets to Coronal Mass Ejections: Observations of the Breakout Continuum. <i>Astrophysical Journal</i> , 2021, 907, 41.	1.6	22
112	NUMERICAL SIMULATIONS OF HELICITY CONDENSATION IN THE SOLAR CORONA. <i>Astrophysical Journal</i> , 2015, 805, 61.	1.6	21
113	Thermal stability of static coronal loops. I - Effects of boundary conditions. <i>Astrophysical Journal</i> , 1985, 298, 876.	1.6	20
114	The effect of nonequilibrium ionization on ultraviolet line shifts in the solar transition region. <i>Astrophysical Journal</i> , 1990, 355, 342.	1.6	20
115	The Role of Magnetic Helicity in Coronal Heating. <i>Astrophysical Journal</i> , 2019, 883, 26.	1.6	19
116	The evolution of soft X-ray-emitting flare loops. <i>Astrophysical Journal</i> , 1979, 229, 788.	1.6	19
117	Nonlinear thermal instability in magnetized solar plasmas. <i>Astrophysical Journal</i> , 1989, 338, 493.	1.6	19
118	Theoretical Energy Analysis of Reconnecting Twisted Magnetic Flux Tubes. <i>Astrophysical Journal</i> , 2002, 581, 703-717.	1.6	19
119	A Model for the Coupled Eruption of a Pseudostreamer and Helmet Streamer. <i>Astrophysical Journal</i> , 2021, 909, 54.	1.6	18
120	A Model for Bright Extreme-ultraviolet Knots in Solar Flare Loops. <i>Astrophysical Journal</i> , 2004, 614, 1022-1027.	1.6	17
121	Magnetic Helicity Condensation and the Solar Cycle. <i>Astrophysical Journal</i> , 2018, 869, 62.	1.6	17
122	Numerical simulation of helical jets at active region peripheries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3679-3690.	1.6	17
123	The evolution of active region loop plasma. <i>Astrophysical Journal</i> , 1980, 242, 374.	1.6	17
124	Comparison of Heliospheric In Situ Data with the Quasi-steady Solar Wind Models. <i>Astrophysical Journal</i> , 2008, 674, 1158-1166.	1.6	16
125	International ultraviolet explorer observations of Hyades stars. <i>Astrophysical Journal</i> , 1982, 258, 177.	1.6	16
126	A giant X-ray flare in the Hyades. <i>Astrophysical Journal</i> , 1983, 264, L55.	1.6	16

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127	Reconnection of antiparallel magnetic flux tubes. <i>Journal of Geophysical Research</i> , 1995, 100, 16991.	3.3	15
128	Structures in the Outer Solar Atmosphere. <i>Space Science Reviews</i> , 2015, 188, 211-249.	3.7	15
129	Asymptotic analysis of force-free magnetic fields of cylindrical symmetry. <i>Astrophysical Journal</i> , 1995, 443, 804.	1.6	15
130	The physics of coronal closed-field structures. <i>Advances in Space Research</i> , 1994, 14, 139-148.	1.2	14
131	Coronal energy release via ideal three-dimensional instability three-dimensional instability. <i>Advances in Space Research</i> , 2003, 32, 1029-1034.	1.2	13
132	TESTS OF DYNAMICAL FLUX EMERGENCE AS A MECHANISM FOR CORONAL MASS EJECTION INITIATION. <i>Astrophysical Journal</i> , 2010, 722, 550-565.	1.6	13
133	An Observational Study of a "Rosetta Stone" Solar Eruption. <i>Astrophysical Journal Letters</i> , 2021, 914, L8.	3.0	13
134	Evolution of the coronal and transition-zone plasma in a compact flare - The event of 1973 August 9. <i>Astrophysical Journal</i> , 1978, 224, 1017.	1.6	13
135	Determination of Flare Heating and Cooling Using the [ITAL]Transition Region and Coronal Explorer [ITAL]. <i>Astrophysical Journal</i> , 2000, 542, L151-L154.	1.6	13
136	Correlated Spatio-temporal Evolution of Extreme-Ultraviolet Ribbons and Hard X-Rays in a Solar Flare. <i>Astrophysical Journal</i> , 2022, 926, 218.	1.6	13
137	Variability of the Reconnection Guide Field in Solar Flares. <i>Astrophysical Journal</i> , 2022, 932, 94.	1.6	13
138	Extreme-Ultraviolet Transition-Region Line Emission during the Dynamic Formation of Prominence Condensations. <i>Astrophysical Journal</i> , 2001, 547, 1116-1129.	1.6	11
139	ELECTRON ACCELERATION IN CONTRACTING MAGNETIC ISLANDS DURING SOLAR FLARES. <i>Astrophysical Journal</i> , 2017, 835, 48.	1.6	11
140	CORONAL JETS SIMULATED WITH THE GLOBAL ALFVÉN WAVE SOLAR MODEL. <i>Astrophysical Journal</i> , 2017, 834, 123.	1.6	11
141	A model of active prominences. <i>Astrophysical Journal</i> , 1980, 236, 270.	1.6	11
142	Observational tests for nonequilibrium ionization in the solar corona. <i>Astrophysical Journal</i> , 1994, 427, 453.	1.6	11
143	A Study of the Unresolved Fine-Structure Model for the Solar Transition Region. <i>Astrophysical Journal</i> , 1996, 462, 1011.	1.6	11
144	Determining the Transport of Magnetic Helicity and Free Energy in the Sun's Atmosphere. <i>Astrophysical Journal</i> , 2019, 882, 151.	1.6	11

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145	A MODEL FOR THE ELECTRICALLY CHARGED CURRENT SHEET OF A PULSAR. <i>Astrophysical Journal</i> , 2015, 801, 109.	1.6	10
146	Effects of Pseudostreamer Boundary Dynamics on Heliospheric Field and Wind. <i>Astrophysical Journal</i> , 2021, 909, 10.	1.6	9
147	Variation of Thermal Structure with Height of a Solar Active Region Derived from SOHO CDS and YOHKOHBCS Observations. <i>Astrophysical Journal</i> , 1999, 524, 1096-1104.	1.6	9
148	The Implications of 3D for Solar MHD Modelling. <i>Solar Physics</i> , 1997, 174, 5-19.	1.0	8
149	The Dynamic Formation of Pseudostreamers. <i>Astrophysical Journal</i> , 2021, 913, 64.	1.6	8
150	On the influence of CMEs on the global 3-D coronal electron density. <i>Annales Geophysicae</i> , 2011, 29, 1019-1028.	0.6	7
151	How Turbulent is the Magnetically Closed Corona?. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	7
152	The Effect of Thermal Nonequilibrium on Helmet Streamers. <i>Astrophysical Journal</i> , 2021, 916, 115.	1.6	7
153	Asymptotic forms for the energy of force-free magnetic field ion configurations of translational symmetry. <i>Astrophysical Journal</i> , 1994, 431, 870.	1.6	7
154	Magnetic flare model of $\hat{\nu}$ -ray bursts. <i>Nature</i> , 1984, 310, 121-122.	13.7	6
155	A far-ultraviolet flare on a Pleiades G dwarf. <i>Astrophysical Journal</i> , 1994, 420, L33.	1.6	6
156	Radiation characteristics of a high-emissivity cylindrical-spherical cavity with obscuration. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004, 21, 104.	0.8	5
157	Topologically driven coronal dynamics – a mechanism for coronal hole jets. <i>Annales Geophysicae</i> , 2008, 26, 2967-2974.	0.6	5
158	Fast and Accurate Emulation of the SDO/HMI Stokes Inversion with Uncertainty Quantification. <i>Astrophysical Journal</i> , 2021, 911, 130.	1.6	5
159	SynthIA: A Synthetic Inversion Approximation for the Stokes Vector Fusing SDO and Hinode into a Virtual Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 24.	3.0	5
160	<title>STEREO: a solar terrestrial event observer mission concept</title>. , 1996, , .		4
161	The role of magnetic reconnection in solar activity. <i>Geophysical Monograph Series</i> , 1999, , 113-120.	0.1	4
162	DC coronal heating and the nonlinear evolution of current sheets. <i>Advances in Space Research</i> , 2006, 37, 1342-1347.	1.2	4

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163	Coronal jets in an inclined coronal magnetic field : a parametric 3D MHD study. EAS Publications Series, 2012, 55, 201-205.	0.3	4
164	The Dynamic Structure of Coronal Hole Boundaries. Astrophysical Journal, 2022, 931, 96.	1.6	4
165	Magnetic fluxtube reconnection. Advances in Space Research, 1997, 19, 1781-1784.	1.2	3
166	The Role of Helicity in Magnetic Reconnection: 3D Numerical Simulations. Geophysical Monograph Series, 2013, , 187-196.	0.1	3
167	The Dynamic Coupling of Streamers and Pseudostreamers to the Heliosphere. Astrophysical Journal, 2022, 929, 185.	1.6	3
168	Particle Acceleration and Transport during 3D CME Eruptions. Astrophysical Journal, 2020, 894, 89.	1.6	2
169	Mass flows in coronal loops. Space Science Reviews, 1994, 70, 143-148.	3.7	1
170	Observational evidence for non-equilibrium ionization in the solar corona. Space Science Reviews, 1994, 70, 207-209.	3.7	1
171	Theory of cool loops and the dividing line. , 1987, , 283-293.		1
172	Magnetic Topology and Current Sheet Formation. International Astronomical Union Colloquium, 1989, 104, 277-280.	0.1	0
173	Structure and flows in coronal loops. Geophysical Monograph Series, 1990, , 203-210.	0.1	0
174	The Science of Solar-B. Geophysical Monograph Series, 1999, , 207-212.	0.1	0
175	Prominence Formation Processes. Highlights of Astronomy, 2005, 13, 127-127.	0.0	0
176	ISS Space Plasma Laboratory: An Orbital Solar and Heliospheric Physics Simulation Facility. , 2013, , .		0
177	ISS Space Plasma Laboratory: An ISS instrument package for investigating the opening/closing of solar and heliospheric magnetic fields. , 2014, , .		0
178	The Structure and Dynamics of the Coronaâ€™Heliosphere Connection. Space Sciences Series of ISSI, 2011, , 169-185.	0.0	0
179	Periodicity in the Radiofrequency Spectrum of the Pulsar CP 0328. Astrophysical Journal, 1972, 171, L27.	1.6	0