

E P Kontar

List of Publications by Year in descending order

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202
papers

6,796
citations

57681

46
h-index

97045

71
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210
all docs

210
docs citations

210
times ranked

2580
citing authors

#	ARTICLE	IF	CITATIONS
1	The high-energy Sun - probing the origins of particle acceleration on our nearest star. <i>Experimental Astronomy</i> , 2022, 54, 335-360.	1.6	3
2	Spectral Analysis of Solar Radio Type III Bursts from 20 kHz to 410 MHz. <i>Astrophysical Journal</i> , 2022, 924, 58.	1.6	5
3	Sizes and Shapes of Sources in Solar Metric Radio Bursts. <i>Astrophysical Journal</i> , 2022, 925, 140.	1.6	1
4	Electron Acceleration during Macroscale Magnetic Reconnection. <i>Physical Review Letters</i> , 2021, 126, 135101.	2.9	65
5	Parametric Simulation Studies on the Wave Propagation of Solar Radio Emission: The Source Size, Duration, and Position. <i>Astrophysical Journal</i> , 2021, 909, 195.	1.6	10
6	Fine structure of type III solar radio bursts from Langmuir wave motion in turbulent plasma. <i>Nature Astronomy</i> , 2021, 5, 796-804.	4.2	14
7	Energy Budget of Plasma Motions, Heating, and Electron Acceleration in a Three-loop Solar Flare. <i>Astrophysical Journal</i> , 2021, 913, 97.	1.6	7
8	Solar Orbiter's first Venus flyby: Observations from the Radio and Plasma Wave instrument. <i>Astronomy and Astrophysics</i> , 2021, 656, A18.	2.1	14
9	First Frequency-time-resolved Imaging Spectroscopy Observations of Solar Radio Spikes. <i>Astrophysical Journal Letters</i> , 2021, 917, L32.	3.0	8
10	Simulations of radio-wave anisotropic scattering to interpret type III radio burst data from Solar Orbiter, Parker Solar Probe, STEREO, and Wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A34.	2.1	12
11	The Solar Orbiter Radio and Plasma Waves (RPW) instrument (Corrigendum). <i>Astronomy and Astrophysics</i> , 2021, 654, C2.	2.1	2
12	First observations and performance of the RPW instrument on board the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2021, 656, A41.	2.1	9
13	The Spatial and Temporal Variations of Turbulence in a Solar Flare. <i>Astrophysical Journal</i> , 2021, 923, 40.	1.6	10
14	The Energetic Particle Detector. <i>Astronomy and Astrophysics</i> , 2020, 642, A7.	2.1	107
15	First Observation of a Type II Solar Radio Burst Transitioning between a Stationary and Drifting State. <i>Astrophysical Journal</i> , 2020, 893, 115.	1.6	20
16	Particle acceleration with anomalous pitch angle scattering in 3D separator reconnection. <i>Astronomy and Astrophysics</i> , 2020, 635, A63.	2.1	4
17	Spatiotemporal Energy Partitioning in a Nonthermally Dominated Two-loop Solar Flare. <i>Astrophysical Journal</i> , 2020, 890, 75.	1.6	10
18	Density Fluctuations in the Solar Wind Based on Type III Radio Bursts Observed by Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 57.	3.0	45

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19	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A12.	2.1	80
20	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	2.1	67
21	Probing solar flare accelerated electron distributions with prospective X-ray polarimetry missions. <i>Astronomy and Astrophysics</i> , 2020, 642, A79.	2.1	9
22	Radio Echo in the Turbulent Corona and Simulations of Solar Drift-pair Radio Bursts. <i>Astrophysical Journal</i> , 2020, 898, 94.	1.6	13
23	Forward Modeling of Particle Acceleration and Transport in an Individual Solar Flare. <i>Astrophysical Journal</i> , 2020, 902, 147.	1.6	10
24	Subsecond Time Evolution of Type III Solar Radio Burst Sources at Fundamental and Harmonic Frequencies. <i>Astrophysical Journal</i> , 2020, 905, 43.	1.6	13
25	Coronal Loop Scaling Laws for Various Forms of Parallel Heat Conduction. <i>Astrophysical Journal</i> , 2019, 880, 80.	1.6	10
26	The Role of Energy Diffusion in the Deposition of Energetic Electron Energy in Solar and Stellar Flares. <i>Astrophysical Journal</i> , 2019, 880, 136.	1.6	16
27	Global Energetics of Solar Flares. VIII. The Low-energy Cutoff. <i>Astrophysical Journal</i> , 2019, 881, 1.	1.6	22
28	On the Source Position and Duration of a Solar Type III Radio Burst Observed by LOFAR. <i>Astrophysical Journal</i> , 2019, 885, 140.	1.6	10
29	First imaging spectroscopy observations of solar drift pair bursts. <i>Astronomy and Astrophysics</i> , 2019, 631, L7.	2.1	9
30	Solar physics with the Square Kilometre Array. <i>Advances in Space Research</i> , 2019, 63, 1404-1424.	1.2	24
31	Frequencyâ€Distance Structure of Solar Radio Sources Observed by LOFAR. <i>Astrophysical Journal</i> , 2019, 873, 48.	1.6	19
32	Electron Distribution and Energy Release in Magnetic Reconnection Outflow Regions during the Pre-impulsive Phase of a Solar Flare. <i>Astrophysical Journal</i> , 2019, 872, 204.	1.6	8
33	Determination of the Total Accelerated Electron Rate and Power Using Solar Flare Hard X-Ray Spectra. <i>Astrophysical Journal</i> , 2019, 871, 225.	1.6	22
34	A Fokkerâ€Planck Framework for Studying the Diffusion of Radio Burst Waves in the Solar Corona. <i>Astrophysical Journal</i> , 2019, 873, 33.	1.6	12
35	Global Energetics of Solar Flares and Coronal Mass Ejections. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012002.	0.3	4
36	Anisotropic Radio-wave Scattering and the Interpretation of Solar Radio Emission Observations. <i>Astrophysical Journal</i> , 2019, 884, 122.	1.6	60

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37	Interplanetary Type III Bursts and Electron Density Fluctuations in the Solar Wind. <i>Astrophysical Journal</i> , 2018, 857, 82.	1.6	38
38	Heating and Cooling of Coronal Loops with Turbulent Suppression of Parallel Heat Conduction. <i>Astrophysical Journal</i> , 2018, 852, 127.	1.6	14
39	Fine Structures of Solar Radio Type III Bursts and Their Possible Relationship with Coronal Density Turbulence. <i>Astrophysical Journal</i> , 2018, 856, 73.	1.6	25
40	Origin of the Modulation of the Radio Emission from the Solar Corona by a Fast Magnetoacoustic Wave. <i>Astrophysical Journal</i> , 2018, 861, 33.	1.6	32
41	CME-driven Shock and Type II Solar Radio Burst Band Splitting. <i>Astrophysical Journal</i> , 2018, 868, 79.	1.6	48
42	Spatial Expansion and Speeds of Type III Electron Beam Sources in the Solar Corona. <i>Astrophysical Journal</i> , 2018, 867, 158.	1.6	17
43	Solar type III radio burst time characteristics at LOFAR frequencies and the implications for electron beam transport. <i>Astronomy and Astrophysics</i> , 2018, 614, A69.	2.1	26
44	Diffusive transport of energetic electrons in the solar corona: X-ray and radio diagnostics. <i>Astronomy and Astrophysics</i> , 2018, 610, A6.	2.1	18
45	Spatially inhomogeneous acceleration of electrons in solar flares. <i>Astronomy and Astrophysics</i> , 2018, 612, A64.	2.1	4
46	Frequency rising sub-THz emission from solar flare ribbons. <i>Astronomy and Astrophysics</i> , 2018, 620, A95.	2.1	13
47	Combined Radio and Space-Based Solar Observations: From Techniques to New Results – Preface. <i>Solar Physics</i> , 2018, 293, 1.	1.0	1
48	Shock location and CME 3D reconstruction of a solar type II radio burst with LOFAR. <i>Astronomy and Astrophysics</i> , 2018, 615, A89.	2.1	60
49	Energy Deposition by Energetic Electrons in a Diffusive Collisional Transport Model. <i>Astrophysical Journal</i> , 2018, 862, 158.	1.6	6
50	LOFAR Observations of Fine Spectral Structure Dynamics in Type IIIb Radio Bursts. <i>Solar Physics</i> , 2018, 293, 1.	1.0	27
51	The Role of Diffusion in the Transport of Energetic Electrons during Solar Flares. <i>Astrophysical Journal</i> , 2017, 835, 262.	1.6	20
52	Langmuir wave electric fields induced by electron beams in the heliosphere. <i>Astronomy and Astrophysics</i> , 2017, 598, A44.	2.1	18
53	Particle acceleration with anomalous pitch angle scattering in 2D magnetohydrodynamic reconnection simulations. <i>Astronomy and Astrophysics</i> , 2017, 605, A73.	2.1	9
54	Polarisation of microwave emission from reconnecting twisted coronal loops. <i>Astronomy and Astrophysics</i> , 2017, 604, A116.	2.1	8

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55	Small electron acceleration episodes in the solar corona. Monthly Notices of the Royal Astronomical Society, 2017, 471, 89-99.	1.6	15
56	Turbulent Kinetic Energy in the Energy Balance of a Solar Flare. Physical Review Letters, 2017, 118, 155101.	2.9	60
57	Solar Plasma Radio Emission in the Presence of Imbalanced Turbulence of Kinetic-Scale Alfvén Waves. Solar Physics, 2017, 292, 1.	1.0	7
58	Imaging spectroscopy of solar radio burst fine structures. Nature Communications, 2017, 8, 1515.	5.8	91
59	Imaging spectroscopy of type U and J solar radio bursts with LOFAR. Astronomy and Astrophysics, 2017, 606, A141.	2.1	28
60	Measuring X-ray anisotropy in solar flares. Prospective stereoscopic capabilities of STIX and MiSolFA. Astronomy and Astrophysics, 2017, 606, A2.	2.1	9
61	Global Energetics of Solar Flares. V. Energy Closure in Flares and Coronal Mass Ejections. Astrophysical Journal, 2017, 836, 17.	1.6	107
62	NARROWBAND GYROSYNCHROTRON BURSTS: PROBING ELECTRON ACCELERATION IN SOLAR FLARES. Astrophysical Journal, 2016, 826, 38.	1.6	15
63	OBSERVING THE FORMATION OF FLARE-DRIVEN CORONAL RAIN. Astrophysical Journal, 2016, 833, 184.	1.6	35
64	Diagnosing the Source Region of a Solar Burst on 26 September 2011 by Using Microwave Type-III Pairs. Solar Physics, 2016, 291, 2407-2418.	1.0	5
65	ANOMALOUS COOLING OF CORONAL LOOPS WITH TURBULENT SUPPRESSION OF THERMAL CONDUCTION. Astrophysical Journal, 2016, 833, 76.	1.6	17
66	Two-dimensional time evolution of beam-plasma instability in the presence of binary collisions. Astronomy and Astrophysics, 2016, 586, A19.	2.1	38
67	GLOBAL ENERGETICS OF SOLAR FLARES. III. NONTHERMAL ENERGIES. Astrophysical Journal, 2016, 832, 27.	1.6	60
68	SUPPRESSION OF PARALLEL TRANSPORT IN TURBULENT MAGNETIZED PLASMAS AND ITS IMPACT ON THE NON-THERMAL AND THERMAL ASPECTS OF SOLAR FLARES. Astrophysical Journal, 2016, 824, 78.	1.6	26
69	Weak turbulence theory for collisional plasmas. Physical Review E, 2016, 93, 033203.	0.8	24
70	Solar Science with the Atacama Large Millimeter/Submillimeter Array – A New View of Our Sun. Space Science Reviews, 2016, 200, 1-73.	3.7	113
71	On the origin of 140 GHz emission from the 4 July 2012 solar flare. Advances in Space Research, 2016, 57, 1449-1455.	1.2	14
72	Plasma motions and non-thermal line broadening in flaring twisted coronal loops. Astronomy and Astrophysics, 2016, 589, A104.	2.1	15

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73	QUASI-PERIODIC ACCELERATION OF ELECTRONS IN THE FLARE ON 2012 JULY 19. <i>Astrophysical Journal</i> , 2016, 831, 119.	1.6	13
74	DIVISION E COMMISSION 49: INTERPLANETARY PLASMA AND HELIOSPHERE. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 300-315.	0.0	0
75	MULTITHERMAL REPRESENTATION OF THE KAPPA-DISTRIBUTION OF SOLAR FLARE ELECTRONS AND APPLICATION TO SIMULTANEOUS X-RAY AND EUV OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 815, 73.	1.6	28
76	Differential emission measure and electron distribution function reconstructed from RHESSI and SDO observations. <i>Geomagnetism and Aeronomy</i> , 2015, 55, 995-999.	0.2	6
77	CORONAL RESPONSE TO AN EUV WAVE FROM DEM ANALYSIS. <i>Astrophysical Journal</i> , 2015, 812, 173.	1.6	32
78	High-temperature differential emission measure and altitude variations in the temperature and density of solar flare coronal X-ray sources. <i>Astronomy and Astrophysics</i> , 2015, 584, A89.	2.1	8
79	On the speed and acceleration of electron beams triggering interplanetary type III radio bursts. <i>Astronomy and Astrophysics</i> , 2015, 580, A137.	2.1	22
80	The collisional relaxation of electrons in hot flaring plasma and inferring the properties of solar flare accelerated electrons from X-ray observations.. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012013.	0.3	2
81	Stopping frequency of type III solar radio bursts in expanding magnetic flux tubes. <i>Astronomy and Astrophysics</i> , 2015, 577, A124.	2.1	15
82	THREE-DIMENSIONAL RADIO AND X-RAY MODELING AND DATA ANALYSIS SOFTWARE: REVEALING FLARE COMPLEXITY. <i>Astrophysical Journal</i> , 2015, 799, 236.	1.6	79
83	COLLISIONAL RELAXATION OF ELECTRONS IN A WARM PLASMA AND ACCELERATED NONTHERMAL ELECTRON SPECTRA IN SOLAR FLARES. <i>Astrophysical Journal</i> , 2015, 809, 35.	1.6	38
84	SSALMON – The Solar Simulations for the Atacama Large Millimeter Observatory Network. <i>Advances in Space Research</i> , 2015, 56, 2679-2692.	1.2	5
85	Spatially Resolved Energetic Electron Properties for the 21 May 2004 Flare from Radio Observations and 3D Simulations. <i>Solar Physics</i> , 2015, 290, 79-93.	1.0	20
86	Solar and Heliospheric Physics with the Square Kilometre Array. , 2015, , .		7
87	Solar Flash Sub-Millimeter Wave Range Spectrum Part Radiation Modeling. <i>Nauka I Obrazovanie</i> , 2015, 15, .	0.1	0
88	Plasma radio emission from inhomogeneous collisional plasma of a flaring loop. <i>Astronomy and Astrophysics</i> , 2014, 562, A57.	2.1	16
89	THE FORMATION OF KAPPA-DISTRIBUTION ACCELERATED ELECTRON POPULATIONS IN SOLAR FLARES. <i>Astrophysical Journal</i> , 2014, 796, 142.	1.6	87
90	TURBULENT PITCH-ANGLE SCATTERING AND DIFFUSIVE TRANSPORT OF HARD X-RAY-PRODUCING ELECTRONS IN FLARING CORONAL LOOPS. <i>Astrophysical Journal</i> , 2014, 780, 176.	1.6	56

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91	ON THE VARIATION OF SOLAR FLARE CORONAL X-RAY SOURCE SIZES WITH ENERGY. <i>Astrophysical Journal</i> , 2014, 787, 86.	1.6	33
92	Particle acceleration and transport in reconnecting twisted loops in a stratified atmosphere. <i>Astronomy and Astrophysics</i> , 2014, 561, A72.	2.1	55
93	Resonance broadening due to particle scattering and mode coupling in the quasi-linear relaxation of electron beams. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4239-4255.	0.8	14
94	Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar Terrestrial Relations Observatory (STEREO)/Waves Instruments: Radio Flux Density Variations with Frequency. <i>Solar Physics</i> , 2014, 289, 3121-3135.	1.0	29
95	Large-scale simulations of solar type III radio bursts: flux density, drift rate, duration, and bandwidth. <i>Astronomy and Astrophysics</i> , 2014, 572, A111.	2.1	47
96	The low-high-low trend of type III radio burst starting frequencies and solar flare hard X-rays. <i>Astronomy and Astrophysics</i> , 2014, 567, A85.	2.1	29
97	Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar Terrestrial Relations Observatory (STEREO)/Waves Instruments: Radio Flux Density Variations with Frequency. , 2014, , 499-513.		1
98	Effect of Collisions and Magnetic Convergence on Electron Acceleration and Transport in Reconnecting Twisted Solar Flare Loops. <i>Solar Physics</i> , 2013, 284, 489-498.	1.0	36
99	PROBING DYNAMICS OF ELECTRON ACCELERATION WITH RADIO AND X-RAY SPECTROSCOPY, IMAGING, AND TIMING IN THE 2002 APRIL 11 SOLAR FLARE. <i>Astrophysical Journal</i> , 2013, 768, 190.	1.6	20
100	TEMPORAL VARIATIONS OF X-RAY SOLAR FLARE LOOPS: LENGTH, CORPULENCE, POSITION, TEMPERATURE, PLASMA PRESSURE, AND SPECTRA. <i>Astrophysical Journal</i> , 2013, 766, 75.	1.6	14
101	Implications for electron acceleration and transport from non-thermal electron rates at looptop and footpoint sources in solar flares. <i>Astronomy and Astrophysics</i> , 2013, 551, A135.	2.1	58
102	Stochastic Acceleration by Multi-Island Contraction during Turbulent Magnetic Reconnection. <i>Physical Review Letters</i> , 2013, 110, 151101.	2.9	28
103	Evolution of the Solar Flare Energetic Electrons in the Inhomogeneous Inner Heliosphere. <i>Solar Physics</i> , 2013, 285, 217-232.	1.0	29
104	Measurements of Electron Anisotropy in Solar Flares Using Albedo with RHESSI X-Ray Data. <i>Solar Physics</i> , 2013, 284, 405-425.	1.0	14
105	ELECTRON DISTRIBUTION FUNCTIONS IN SOLAR FLARES FROM COMBINED X-RAY AND EXTREME-ULTRAVIOLET OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 779, 107.	1.6	27
106	THE LOCATION OF NON-THERMAL VELOCITY IN THE EARLY PHASES OF LARGE FLARES – REVEALING PRE-ERUPTION FLUX ROPES. <i>Astrophysical Journal</i> , 2013, 774, 122.	1.6	29
107	Science enabled by high precision inertial formation flying. <i>International Journal of Space Science and Engineering</i> , 2013, 1, 331.	0.1	9
108	Effect of turbulent density-fluctuations on wave-particle interactions and solar flare X-ray spectra. <i>Astronomy and Astrophysics</i> , 2013, 550, A51.	2.1	9

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109	Multi-thermal dynamics and energetics of a coronal mass ejection in the low solar atmosphere. <i>Astronomy and Astrophysics</i> , 2013, 553, A10.	2.1	85
110	NUMERICAL SIMULATIONS OF CHROMOSPHERIC HARD X-RAY SOURCE SIZES IN SOLAR FLARES. <i>Astrophysical Journal</i> , 2012, 752, 4.	1.6	15
111	A CLASSIFICATION SCHEME FOR TURBULENT ACCELERATION PROCESSES IN SOLAR FLARES. <i>Astrophysical Journal</i> , 2012, 754, 103.	1.6	28
112	Differential emission measures from the regularized inversion of Hinode and SDO data. <i>Astronomy and Astrophysics</i> , 2012, 539, A146.	2.1	260
113	DENSITY FLUCTUATIONS AND THE ACCELERATION OF ELECTRONS BY BEAM-GENERATED LANGMUIR WAVES IN THE SOLAR CORONA. <i>Astrophysical Journal</i> , 2012, 761, 176.	1.6	41
114	Solar Particle Acceleration Radiation and Kinetics (SPARK). <i>Experimental Astronomy</i> , 2012, 33, 237-269.	1.6	4
115	Wave-particle interactions in non-uniform plasma and the interpretation of hard X-ray spectra in solar flares. <i>Astronomy and Astrophysics</i> , 2012, 539, A43.	2.1	35
116	RHESSI AND SDO/AIA OBSERVATIONS OF THE CHROMOSPHERIC AND CORONAL PLASMA PARAMETERS DURING A SOLAR FLARE. <i>Astrophysical Journal</i> , 2012, 760, 142.	1.6	37
117	Determination of the acceleration region size in a loop-structured solar flare. <i>Astronomy and Astrophysics</i> , 2012, 543, A53.	2.1	31
118	Electron acceleration during three-dimensional relaxation of an electron beam-return current plasma system in a magnetic field. <i>Astronomy and Astrophysics</i> , 2012, 544, A148.	2.1	14
119	HARD X-RAY FOOTPOINT SIZES AND POSITIONS AS DIAGNOSTICS OF FLARE ACCELERATED ENERGETIC ELECTRONS IN THE LOW SOLAR ATMOSPHERE. <i>Astrophysical Journal</i> , 2011, 735, 42.	1.6	19
120	RELATIONSHIP BETWEEN HARD AND SOFT X-RAY EMISSION COMPONENTS OF A SOLAR FLARE. <i>Astrophysical Journal</i> , 2011, 728, 4.	1.6	15
121	Height structure of X-ray, EUV, and white-light emission in a solar flare. <i>Astronomy and Astrophysics</i> , 2011, 533, L2.	2.1	28
122	Parallel electric field amplification by phase mixing of Alfvén waves. <i>Astronomy and Astrophysics</i> , 2011, 527, A130.	2.1	14
123	Instrumental oscillations in RHESSI count rates during solar flares. <i>Astronomy and Astrophysics</i> , 2011, 530, A47.	2.1	10
124	The spectral difference between solar flare HXR coronal and footpoint sources due to wave-particle interactions. <i>Astronomy and Astrophysics</i> , 2011, 529, A109.	2.1	25
125	A COLD, TENUOUS SOLAR FLARE: ACCELERATION WITHOUT HEATING. <i>Astrophysical Journal Letters</i> , 2011, 731, L19.	3.0	53
126	Characteristics of the flare acceleration region derived from simultaneous hard X-ray and radio observations. <i>Astronomy and Astrophysics</i> , 2011, 529, A66.	2.1	41

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127	HIGH-RESOLUTION IMAGING OF SOLAR FLARE RIBBONS AND ITS IMPLICATION ON THE THICK-TARGET BEAM MODEL. <i>Astrophysical Journal</i> , 2011, 739, 96.	1.6	150
128	ACCELERATION, MAGNETIC FLUCTUATIONS, AND CROSS-FIELD TRANSPORT OF ENERGETIC ELECTRONS IN A SOLAR FLARE LOOP. <i>Astrophysical Journal Letters</i> , 2011, 730, L22.	3.0	51
129	The influence of albedo on the size of hard X-ray flare sources. <i>Astronomy and Astrophysics</i> , 2011, 526, A3.	2.1	12
130	Implications of X-ray Observations for Electron Acceleration and Propagation in Solar Flares. <i>Space Science Reviews</i> , 2011, 159, 107-166.	3.7	260
131	Recent Advances in Understanding Particle Acceleration Processes in Solar Flares. <i>Space Science Reviews</i> , 2011, 159, 357-420.	3.7	184
132	Deducing Electron Properties from Hard X-ray Observations. <i>Space Science Reviews</i> , 2011, 159, 301-355.	3.7	143
133	ELECTRON ACCELERATION ASSOCIATED WITH SOLAR JETS. <i>Astrophysical Journal</i> , 2011, 742, 82.	1.6	63
134	Implications of X-ray Observations for Electron Acceleration and Propagation in Solar Flares. , 2011, , 107-166.		2
135	Deducing Electron Properties from Hard X-ray Observations. , 2011, , 301-355.		4
136	Recent Advances in Understanding Particle Acceleration Processes in Solar Flares. , 2011, , 357-420.		2
137	Turbulent cross-field transport of non-thermal electrons in coronal loops: theory and observations. <i>Astronomy and Astrophysics</i> , 2011, 535, A18.	2.1	23
138	Spatially resolved hard X-ray polarization in solar flares: effects of Compton scattering and bremsstrahlung. <i>Astronomy and Astrophysics</i> , 2011, 536, A93.	2.1	22
139	Parallel electric field generation by Alfvén wave turbulence. <i>Astronomy and Astrophysics</i> , 2010, 519, A114.	2.1	45
140	Positions and sizes of X-ray solar flare sources. <i>Astronomy and Astrophysics</i> , 2010, 513, L2.	2.1	29
141	THE SUB-ARCSECOND HARD X-RAY STRUCTURE OF LOOP FOOTPOINTS IN A SOLAR FLARE. <i>Astrophysical Journal</i> , 2010, 717, 250-256.	1.6	45
142	SUB-THz RADIATION MECHANISMS IN SOLAR FLARES. <i>Astrophysical Journal Letters</i> , 2010, 709, L127-L132.	3.0	46
143	SOLAR WIND DENSITY TURBULENCE AND SOLAR FLARE ELECTRON TRANSPORT FROM THE SUN TO THE EARTH. <i>Astrophysical Journal</i> , 2010, 721, 864-874.	1.6	43
144	A gyrofluid description of Alfvénic turbulence and its parallel electric field. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	17

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145	COMBINED<i>STEREO/RHESSI</i>STUDY OF CORONAL MASS EJECTION ACCELERATION AND PARTICLE ACCELERATION IN SOLAR FLARES. <i>Astrophysical Journal</i> , 2010, 712, 1410-1420.	1.6	162
146	HARD X-RAY IMAGING OF SOLAR FLARES USING INTERPOLATED VISIBILITIES. <i>Astrophysical Journal</i> , 2009, 703, 2004-2016.	1.6	37
147	A Regularized Visibility-Based Approach to Astronomical Imaging Spectroscopy. <i>SIAM Journal on Imaging Sciences</i> , 2009, 2, 910-930.	1.3	5
148	ONSETS AND SPECTRA OF IMPULSIVE SOLAR ENERGETIC ELECTRON EVENTS OBSERVED NEAR THE EARTH. <i>Astrophysical Journal</i> , 2009, 695, L140-L144.	1.6	45
149	THE EFFECT OF WAVE-PARTICLE INTERACTIONS ON LOW-ENERGY CUTOFFS IN SOLAR FLARE ELECTRON SPECTRA. <i>Astrophysical Journal</i> , 2009, 707, L45-L50.	1.6	46
150	Local re-acceleration and a modified thick target model of solar flare electrons. <i>Astronomy and Astrophysics</i> , 2009, 508, 993-1000.	2.1	89
151	THE LOCATION OF CENTROIDS IN PHOTON AND ELECTRON MAPS OF SOLAR FLARES. <i>Astrophysical Journal</i> , 2009, 706, 917-922.	1.6	13
152	Low-Energy Cutoffs in Electron Spectra of Solar Flares: Statistical Survey. <i>Solar Physics</i> , 2008, 252, 139-147.	1.0	37
153	The way forward for coronal heating. <i>Astronomy and Geophysics</i> , 2008, 49, 3.21-3.26.	0.1	3
154	Determining the Spatial Variation of Accelerated Electron Spectra in Solar Flares. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	6
155	A visibility-based approach using regularization for imaging-spectroscopy in solar X-ray astronomy. <i>Journal of Physics: Conference Series</i> , 2008, 135, 012084.	0.3	0
156	Chromospheric magnetic field and density structure measurements using hard X-rays in a flaring coronal loop. <i>Astronomy and Astrophysics</i> , 2008, 489, L57-L60.	2.1	65
157	An optical study of multiple NEIAL events driven by low energy electron precipitation. <i>Annales Geophysicae</i> , 2008, 26, 2435-2447.	0.6	6
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