Yang Su

List of Publications by Year
in descending order

53 papers	1,439 citations	361413 20 h-index	330143 37 g-index
54 all docs	54 docs citations	54 times ranked	1339 citing authors

#	Article	IF	Citations
1	Imaging coronal magnetic-field reconnection in a solar flare. Nature Physics, 2013, 9, 489-493.	16.7	197
2	GROWING TRANSVERSE OSCILLATIONS OF A MULTISTRANDED LOOP OBSERVED BY SDO /AIA. Astrophysical Journal Letters, 2012, 751, L27.	8.3	113
3	THE CONFINED X-CLASS FLARES OF SOLAR ACTIVE REGION 2192. Astrophysical Journal Letters, 2015, 801, L23.	8.3	112
4	The Milky Way Imaging Scroll Painting (MWISP): Project Details and Initial Results from the Galactic Longitudes of 25.Â°8â€“49.Â°7. Astrophysical Journal, Supplement Series, 2019, 240, 9.	7.7	96
5	SOLAR MAGNETIZED â€œTORNADOES:â€•RELATION TO FILAMENTS. Astrophysical Journal Letters, 2012, 756, L41.	8.3	86
6	Advanced Space-based Solar Observatory (ASO-S): an overview. Research in Astronomy and Astrophysics, 2019, 19, 156.	1.7	86
7	Determination of Differential Emission Measure from Solar Extreme Ultraviolet Images. Astrophysical Journal Letters, 2018, 856, L17.	8.3	82
8	MAGNETIC ENERGY PARTITION BETWEEN THE CORONAL MASS EJECTION AND FLARE FROM AR 11283. Astrophysical Journal, 2013, 765, 37.	4.5	60
9	LOW-ALTITUDE RECONNECTION INFLOW-OUTFLOW OBSERVATIONS DURING A 2010 NOVEMBER 3 SOLAR ERUPTION. Astrophysical Journal, 2012, 754, 13.	4.5	56
10	SOLAR MAGNETIZED TORNADOES: ROTATIONAL MOTION IN A TORNADO-LIKE PROMINENCE. Astrophysical Journal Letters, 2014, 785, L2.	8.3	49
11	THREE-DIMENSIONAL MAGNETIC RESTRUCTURING IN TWO HOMOLOGOUS SOLAR FLARES IN THE SEISMICALLY ACTIVE NOAA AR 11283. Astrophysical Journal, 2014, 795, 128.	4.5	38
12	Generation Mechanisms of Quasi-parallel and Quasi-circular Flare Ribbons in a Confined Flare. Astrophysical Journal, 2017, 847, 124.	4.5	26
13	MOLECULAR ENVIRONMENT OF THE SUPERNOVA REMNANT IC 443: DISCOVERY OF THE MOLECULAR SHELLS SURROUNDING THE REMNANT. Astrophysical Journal, 2014, 788, 122.	4.5	26
14	A Statistical Study of Rhessi Flares. Solar Physics, 2006, 238, 61-72.	2.5	23
15	Distances and Statistics of Local Molecular Clouds in the First Galactic Quadrant. Astrophysical Journal, 2020, 898, 80.	4.5	23
16	Thermodynamical Evolution of Supra-arcade Downflows. Astrophysical Journal, 2020, 898, 88.	4.5	22
17	A TEST OF THICK-TARGET NONUNIFORM IONIZATION AS AN EXPLANATION FOR BREAKS IN SOLAR FLARE HARD X-RAY SPECTRA. Astrophysical Journal, 2009, 705, 1584-1593.	4.5	21
18	EVIDENCE FOR THE FULL HARD X-RAY SPECTRAL SIGNATURE OF NONUNIFORM IONIZATION IN A SOLAR FLARE. Astrophysical Journal, 2011, 731, 106.	4.5	21

#	Article	IF	Citations
19	OBSERVATIONS OF A TWO-STAGE SOLAR ERUPTIVE EVENT (SEE): EVIDENCE FOR SECONDARY HEATING. Astrophysical Journal Letters, 2012, 746, L5.	8.3	21
20	Molecular Clouds in the Extreme Outer Galaxy between lÂ=Â34.Â°75 to 45.Â°25. Astrophysical Journal, Supplement Series, 2017, 230, 17.	7.7	21
21	The Large-scale Interstellar Medium of SS 433/W50 Revisited. Astrophysical Journal, 2018, 863, 103.	4.5	19
22	Exploring Lorentz Invariance Violation from Ultrahigh-Energy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> Rays Observed by LHAASO. Physical Review Letters, 2022, 128, 051102.	7.8	19
23	Molecular Cloud Distances Based on the MWISP CO Survey and Gaia DR2. Astrophysical Journal, 2019, 885, 19.	4.5	17
24	A Large-scale ¹²CO, ¹³CO, and C¹⁸O Molecular Cloud Survey in the Outer Galactic Plane over lÂ=Â[129.Â°75, 140.Â°25] and bÂ=Â[â^'5.Â°25, +5.Â°25]. Astrophysical Journal, Supplement Series, 2020, 246, 7.	7.7	16
25	THE DISTANT OUTER GAS ARM BETWEEN lÂ=Â35Â° AND lÂ=Â45Â°. Astrophysical Journal, 2016, 828, 59.	4.5	15
26	Pre-eruption Processes: Heating, Particle Acceleration, and the Formation of a Hot Channel before the 2012 October 20 M9.0 Limb Flare. Astrophysical Journal, 2019, 874, 122.	4.5	15
27	Energy Partition in Two M-class Circular-ribbon Flares. Astrophysical Journal, 2019, 883, 124.	4.5	13
28	Molecular Gas Distribution Perpendicular to the Galactic Plane. Astrophysical Journal, 2021, 910, 131.	4.5	13
29	Properties of a Small-scale Short-duration Solar Eruption with a Driven Shock. Astrophysical Journal, 2018, 856, 24.	4.5	12
30	Modelling and observations: Comparison of the magnetic field properties in a prominence. Astronomy and Astrophysics, 2020, 637, A3.	5.1	12
31	A Chinese solar observatory in space. Nature Astronomy, 2022, 6, 165-165.	10.1	11
32	Chromospheric evaporation flows and density changes deduced from Hinode/EIS during an M1.6 flare. Astronomy and Astrophysics, 2016, 588, A6.	5.1	9
33	Molecular Gas toward the Gemini OB1 Molecular Cloud Complex. III. Chemical Abundance. Astrophysical Journal, Supplement Series, 2019, 243, 25.	7.7	9
34	Local Molecular Gas toward the Aquila Rift Region. Astrophysical Journal, 2020, 893, 91.	4.5	9
35	Detailed Thermal and Nonthermal Processes in an A-class Microflare. Astrophysical Journal, 2022, 930, 147.	4.5	9
36	Molecular Gas toward the Gemini OB1 Molecular Cloud Complex. I. Observation Data. Astrophysical Journal, Supplement Series, 2017, 230, 5.	7.7	8

#	Article	IF	Citations
37	Detection of Energy Cutoffs in Flare-accelerated Electrons. Astrophysical Journal, 2021, 908, 111.	4.5	8
38	Examinations of CO Completeness Based on Three Independent CO Surveys. Astrophysical Journal, Supplement Series, 2021, 256, 32.	7.7	7
39	TEMPORAL AND SPATIAL RELATIONSHIP OF FLARE SIGNATURES AND THE FORCE-FREE CORONAL MAGNETIC FIELD. Astrophysical Journal, 2016, 826, 143.	4.5	6
40	Ultra-long and quite thin coronal loop without significant expansion. Astronomy and Astrophysics, 2020, 639, A114.	5.1	6
41	A Hot Cusp-shaped Confined Solar Flare. Astrophysical Journal Letters, 2019, 887, L28.	8.3	5
42	A physical model for one-dimension and time-dependent ionosphere. Part I. Description of the model. Annals of Geophysics, 1993, 36, .	1.0	5
43	On classification of RHESSI flares. Advances in Space Research, 2008, 41, 988-991.	2.6	4
44	High-resolution observations of prominence plume formation with the new vacuum solar telescope. Research in Astronomy and Astrophysics, 2021, 21, 222.	1.7	3
45	Dependence of Molecular Cloud Samples on Angular Resolution, Sensitivity, and Algorithms. Astronomical Journal, 2022, 164, 55.	4.7	3
46	On the time evolution of brightness, volume and height of a coronal source in an M-class flare. Astrophysics and Space Science, 2017, 362, 1.	1.4	2
47	Mapping Solar X-Ray Images from SDO/AIA EUV Images by Deep Learning. Astrophysical Journal, 2021, 915, 96.	4.5	1
48	Multiwavelength and Dual-perspective Observations of Eruption and Untwisting of Two Homologous Magnetic Flux Ropes. Astrophysical Journal, 2021, 922, 238.	4.5	1
49	Solar Prominence Bubble and Plumes Caused By an Eruptive Magnetic Flux Rope. Astrophysical Journal Letters, 2021, 923, L10.	8.3	1
50	The exceptional aspects of the confined X-class flares of solar active region 2192. Proceedings of the International Astronomical Union, 2015, 11, 60-63.	0.0	0
51	Real-time simulation and mechanistic analysis of a squall line case in East China. Atmospheric and Oceanic Science Letters, 2016, 9, 394-400.	1.3	0
52	Molecular clouds in the Extreme Outer Galaxy. Proceedings of the International Astronomical Union, 2017, 13, 187-188.	0.0	0
53	Simulation of the Dynamic and Thermodynamic Structure and Microphysical Evolution of a Squall Line in South China. Atmosphere, 2021, 12, 1187.	2.3	0