Albert Shih

List of Publications by Year
in descending order

33	5,516	516710 16	642732 23
papers	citations	h-index	g-index

34	34	34	9217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package[*]. Astronomical Journal, 2018, 156, 123.	4.7	4,142
2	GLOBAL ENERGETICS OF THIRTY-EIGHT LARGE SOLAR ERUPTIVE EVENTS. Astrophysical Journal, 2012, 759, 71.	4.5	340
3	The SunPy Project: Open Source Development and Status of the Version 1.0 Core Package. Astrophysical Journal, 2020, 890, 68.	4.5	208
4	Microwave and Hard X-Ray Observations of the 2017 September 10 Solar Limb Flare. Astrophysical Journal, 2018, 863, 83.	4.5	141
5	SunPyâ€"Python for solar physics. Computational Science & Discovery, 2015, 8, 014009.	1.5	111
6	RHESSI OBSERVATIONS OF THE PROPORTIONAL ACCELERATION OF RELATIVISTIC >0.3 MeV ELECTRONS AND >30 MeV PROTONS IN SOLAR FLARES. Astrophysical Journal, 2009, 698, L152-L157.	4.5	96
7	High-Resolution Spectroscopy of Gamma-Ray Lines from the X-Class Solar Flare of 2002 July 23. Astrophysical Journal, 2003, 595, L81-L84.	4.5	84
8	Coronal Î³-Ray Bremsstrahlung from Solar Flare-accelerated Electrons. Astrophysical Journal, 2008, 678, L63-L66.	4.5	68
9	High-Resolution Observation of the Solar Positron-Electron Annihilation Line. Astrophysical Journal, 2003, 595, L85-L88.	4.5	48
10	THE FIRST FOCUSED HARD X-RAY IMAGES OF THE SUN WITH NuSTAR. Astrophysical Journal, 2016, 826, 20.	4.5	45
11	THE FIRST X-RAY IMAGING SPECTROSCOPY OF QUIESCENT SOLAR ACTIVE REGIONS WITH NuSTAR. Astrophysical Journal Letters, 2016, 820, L14.	8.3	44
12	Sub-terahertz, Microwaves and High Energy Emissions During the 6 December 2006 Flare, atÂ18:40ÂUT. Solar Physics, 2009, 255, 131-142.	2.5	31
13	aiapy: A Python Package for Analyzing Solar EUV Image Data from AIA. Journal of Open Source Software, 2020, 5, 2801.	4.6	26
14	SunPy: A Python package for Solar Physics. Journal of Open Source Software, 2020, 5, 1832.	4.6	25
15	HARD X-RAY IMAGING OF INDIVIDUAL SPECTRAL COMPONENTS IN SOLAR FLARES. Astrophysical Journal Letters, 2015, 811, L1.	8.3	18
16	The Gamma-Ray Imager/Polarimeter for Solar flares (GRIPS). Proceedings of SPIE, 2012, , .	0.8	16
17	First flight of the Gamma-Ray Imager/Polarimeter for Solar flares (GRIPS) instrument. , 2016, , .		11
18	Earth-Affecting Solar Causes Observatory (EASCO): a mission at the Sun-Earth L5. Proceedings of SPIE, 2011, , .	0.8	9

#	Article	IF	Citations
19	The high energy replicated optics to explore the sun mission: a hard x-ray balloon-borne telescope. , 2013, , .		9
20	SIMULATION OF ENERGETIC NEUTRAL ATOMS FROM SOLAR ENERGETIC PARTICLES. Astrophysical Journal Letters, 2014, 793, L37.	8.3	6
21	Observations and Interpretations of Energetic Neutral Hydrogen Atoms from the December 5, 2006 Solar Event. , 2010, , .		5
22	Imaging X-ray Polarimeter for Solar Flares (IXPS). Experimental Astronomy, 2011, 32, 101-125.	3.7	5
23	The HEXITEC hard x-ray pixelated CdTe imager for fast solar observations. Proceedings of SPIE, 2016, , .	0.8	4
24	Detector and imaging systems for the gamma-ray imager/polarimeter for solar flares (GRIPS) instrument. , 2013, , .		3
25	SuperHERO: the next generation hard x-ray HEROES telescope. , 2014, , .		3
26	A Solar Aspect System for the HEROES mission. , 2014, , .		3
27	AWARE: An Algorithm for the Automated Characterization of EUV Waves in the Solar Atmosphere. Solar Physics, 2019, 294, 1.	2.5	3
28	The high-energy Sun - probing the origins of particle acceleration on our nearest star. Experimental Astronomy, 2022, 54, 335-360.	3.7	3
29	Evaluating Pointing Strategies for Future Solar Flare Missions. Solar Physics, 2021, 296, 1.	2.5	2
30	High Energy Replicated Optics to Explore the Sun balloon-borne telescope: Astrophysical pointing. , 2014, , .		1
31	Improving HEXITEC gain calibration through charge-shared and fluorescent multi-pixel events. , 2021, , .		1
32	Modeling and measuring charge sharing in hard x-ray imagers using HEXITEC CdTe detectors. , 2017, , .		1
33	Vision algorithm for the Solar Aspect System of the HEROES mission. , 2015, , .		0