

Albert Shih

List of Publications by Year in descending order

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33
papers

5,516
citations

516710

16
h-index

642732

23
g-index

34
all docs

34
docs citations

34
times ranked

9217
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.	3.7	3
2	Improving HEXITEC gain calibration through charge-shared and fluorescent multi-pixel events. , 2021, , .		1
3	Evaluating Pointing Strategies for Future Solar Flare Missions. <i>Solar Physics</i> , 2021, 296, 1.	2.5	2
4	The SunPy Project: Open Source Development and Status of the Version 1.0 Core Package. <i>Astrophysical Journal</i> , 2020, 890, 68.	4.5	208
5	SunPy: A Python package for Solar Physics. <i>Journal of Open Source Software</i> , 2020, 5, 1832.	4.6	25
6	aiapy: A Python Package for Analyzing Solar EUV Image Data from AIA. <i>Journal of Open Source Software</i> , 2020, 5, 2801.	4.6	26
7	AWARE: An Algorithm for the Automated Characterization of EUV Waves in the Solar Atmosphere. <i>Solar Physics</i> , 2019, 294, 1.	2.5	3
8	The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package[*]. <i>Astronomical Journal</i> , 2018, 156, 123.	4.7	4,142
9	Microwave and Hard X-Ray Observations of the 2017 September 10 Solar Limb Flare. <i>Astrophysical Journal</i> , 2018, 863, 83.	4.5	141
10	Modeling and measuring charge sharing in hard x-ray imagers using HEXITEC CdTe detectors. , 2017, , .		1
11	THE FIRST X-RAY IMAGING SPECTROSCOPY OF QUIESCENT SOLAR ACTIVE REGIONS WITH NuSTAR. <i>Astrophysical Journal Letters</i> , 2016, 820, L14.	8.3	44
12	The HEXITEC hard x-ray pixelated CdTe imager for fast solar observations. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
13	First flight of the Gamma-Ray Imager/Polarimeter for Solar flares (GRIPS) instrument. , 2016, , .		11
14	THE FIRST FOCUSED HARD X-RAY IMAGES OF THE SUN WITH NuSTAR. <i>Astrophysical Journal</i> , 2016, 826, 20.	4.5	45
15	HARD X-RAY IMAGING OF INDIVIDUAL SPECTRAL COMPONENTS IN SOLAR FLARES. <i>Astrophysical Journal Letters</i> , 2015, 811, L1.	8.3	18
16	Vision algorithm for the Solar Aspect System of the HEROES mission. , 2015, , .		0
17	SunPyâ€”Python for solar physics. <i>Computational Science & Discovery</i> , 2015, 8, 014009.	1.5	111
18	SIMULATION OF ENERGETIC NEUTRAL ATOMS FROM SOLAR ENERGETIC PARTICLES. <i>Astrophysical Journal Letters</i> , 2014, 793, L37.	8.3	6

#	ARTICLE	IF	CITATIONS
19	SuperHERO: the next generation hard x-ray HEROES telescope. , 2014, , .		3
20	A Solar Aspect System for the HEROES mission. , 2014, , .		3
21	High Energy Replicated Optics to Explore the Sun balloon-borne telescope: Astrophysical pointing. , 2014, , .		1
22	Detector and imaging systems for the gamma-ray imager/polarimeter for solar flares (GRIPS) instrument. , 2013, , .		3
23	The high energy replicated optics to explore the sun mission: a hard x-ray balloon-borne telescope. , 2013, , .		9
24	GLOBAL ENERGETICS OF THIRTY-EIGHT LARGE SOLAR ERUPTIVE EVENTS. <i>Astrophysical Journal</i> , 2012, 759, 71.	4.5	340
25	The Gamma-Ray Imager/Polarimeter for Solar flares (GRIPS). <i>Proceedings of SPIE</i> , 2012, , .	0.8	16
26	Earth-Affecting Solar Causes Observatory (EASCO): a mission at the Sun-Earth L5. <i>Proceedings of SPIE</i> , 2011, , .	0.8	9
27	Imaging X-ray Polarimeter for Solar Flares (IXPS). <i>Experimental Astronomy</i> , 2011, 32, 101-125.	3.7	5
28	Observations and Interpretations of Energetic Neutral Hydrogen Atoms from the December 5, 2006 Solar Event. , 2010, , .		5
29	<i>RHESSI</i> OBSERVATIONS OF THE PROPORTIONAL ACCELERATION OF RELATIVISTIC >0.3 MeV ELECTRONS AND >30 MeV PROTONS IN SOLAR FLARES. <i>Astrophysical Journal</i> , 2009, 698, L152-L157.	4.5	96
30	Sub-terahertz, Microwaves and High Energy Emissions During the 6 December 2006 Flare, at 18:40 UT. <i>Solar Physics</i> , 2009, 255, 131-142.	2.5	31
31	Coronal $\hat{3}$ -Ray Bremsstrahlung from Solar Flare-accelerated Electrons. <i>Astrophysical Journal</i> , 2008, 678, L63-L66.	4.5	68
32	High-Resolution Spectroscopy of Gamma-Ray Lines from the X-Class Solar Flare of 2002 July 23. <i>Astrophysical Journal</i> , 2003, 595, L81-L84.	4.5	84
33	High-Resolution Observation of the Solar Positron-Electron Annihilation Line. <i>Astrophysical Journal</i> , 2003, 595, L85-L88.	4.5	48