

Andreas Zoglauer

List of Publications by Year in descending order

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28
papers

2,483
citations

471509

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580821

25
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docs citations

28
times ranked

3732
citing authors

#	ARTICLE	IF	CITATIONS
1	THE <i>NUCLEAR SPECTROSCOPIC TELESCOPE ARRAY</i> (<i>NuSTAR</i>) HIGH-ENERGY X-RAY MISSION. <i>Astrophysical Journal</i> , 2013, 770, 103.	4.5	1,627
2	SN 2010jl: OPTICAL TO HARD X-RAY OBSERVATIONS REVEAL AN EXPLOSION EMBEDDED IN A TEN SOLAR MASS COCOON. <i>Astrophysical Journal</i> , 2014, 781, 42.	4.5	110
3	A Tracking Compton-Scattering Imaging System for Hadron Therapy Monitoring. <i>IEEE Transactions on Nuclear Science</i> , 2010, 57, 144-150.	2.0	70
4	<i>NuSTAR</i> DETECTION OF HIGH-ENERGY X-RAY EMISSION AND RAPID VARIABILITY FROM SAGITTARIUS A ⁺ FLARES. <i>Astrophysical Journal</i> , 2014, 786, 46.	4.5	67
5	BROADBAND X-RAY IMAGING AND SPECTROSCOPY OF THE CRAB NEBULA AND PULSAR WITH <i>NuSTAR</i> . <i>Astrophysical Journal</i> , 2015, 801, 66.	4.5	63
6	Extended hard-X-ray emission in the inner few parsecs of the Galaxy. <i>Nature</i> , 2015, 520, 646-649.	27.8	60
7	Radioactive Decays in Geant4. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 2966-2983.	2.0	49
8	GRIPS - Gamma-Ray Imaging, Polarimetry and Spectroscopy. <i>Experimental Astronomy</i> , 2012, 34, 551-582.	3.7	48
9	<i>NuSTAR</i> HARD X-RAY SURVEY OF THE GALACTIC CENTER REGION. II. X-RAY POINT SOURCES. <i>Astrophysical Journal</i> , 2016, 825, 132.	4.5	48
10	<i>NuSTAR</i> STUDY OF HARD X-RAY MORPHOLOGY AND SPECTROSCOPY OF PWN G21.5+0.9. <i>Astrophysical Journal</i> , 2014, 789, 72.	4.5	46
11	PIXE Simulation With Geant4. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 3614-3649.	2.0	42
12	<i>NuSTAR</i> HARD X-RAY SURVEY OF THE GALACTIC CENTER REGION. I. HARD X-RAY MORPHOLOGY AND SPECTROSCOPY OF THE DIFFUSE EMISSION. <i>Astrophysical Journal</i> , 2015, 814, 94.	4.5	42
13	A SPATIALLY RESOLVED STUDY OF THE SYNCHROTRON EMISSION AND TITANIUM IN TYCHO'S SUPERNOVA REMNANT USING <i>NuSTAR</i> . <i>Astrophysical Journal</i> , 2015, 814, 132.	4.5	41
14	LOCATING THE MOST ENERGETIC ELECTRONS IN CASSIOPEIA A. <i>Astrophysical Journal</i> , 2015, 802, 15.	4.5	40
15	Validation of Geant4-Based Radioactive Decay Simulation. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 2984-2997.	2.0	22
16	A DUAL mission for nuclear astrophysics. <i>Experimental Astronomy</i> , 2012, 34, 583-622.	3.7	19
17	Overview of the Nuclear Compton Telescope. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 1250-1256.	2.0	18
18	Calibrations of the Compton Spectrometer and Imager. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1031, 166510.	1.6	17

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19	<i>NuSTAR</i> measurement of the cosmic X-ray background in the 3–20 keV energy band. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3966-3975.	4.4	13
20	A combined Compton and coded-aperture telescope for medium-energy gamma-ray astrophysics. <i>Astronomy and Astrophysics</i> , 2018, 614, A93.	5.1	12
21	StrayCats: A Catalog of NuSTAR Stray Light Observations. <i>Astrophysical Journal</i> , 2021, 909, 30.	4.5	8
22	Measurement of Galactic ²⁶ Al with the Compton Spectrometer and Imager. <i>Astrophysical Journal</i> , 2022, 928, 119.	4.5	6
23	Status of instrumental background simulations for gamma-ray telescopes with Geant4. , 2008, , .		4
24	The Data Readout System of the Nuclear Compton Telescope (NCT). <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 2303-2308.	2.0	3
25	Characterizing and Correcting the Cross-Talk Effect on Depth Measurement in the NCT Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 1210-1214.	2.0	3
26	Unveiling the Origin of the Fermi Bubbles with MeV Photon Telescopes. <i>Astrophysical Journal</i> , 2022, 927, 225.	4.5	3
27	NuSTAR Observations of G11.2–0.3. <i>Astrophysical Journal</i> , 2020, 889, 23.	4.5	2
28	Gamma-Ray Lenses for Astrophysics and the Gamma-Ray Imager Mission GRI. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 1242-1249.	2.0	0