

Tsuguo Aramaki

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

904
citations

471477

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552766

26
g-index

27
all docs

27
docs citations

27
times ranked

1120
citing authors

#	ARTICLE	IF	CITATIONS
1	Event reconstruction of Compton telescopes using a multi-task neural network. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1038, 166897.	1.6	4
2	Performance of a large area photon detector for rare event search applications. Applied Physics Letters, 2021, 118, 022601.	3.3	15
3	Cosmic antihelium-3 nuclei sensitivity of the GAPS experiment. Astroparticle Physics, 2021, 130, 102580.	4.3	10
4	Cross-match between the Latest Swift-BAT and Fermi-LAT Catalogs. Astrophysical Journal, 2021, 916, 28.	4.5	2
5	Light Dark Matter Search with a High-Resolution Athermal Phonon Detector Operated above Ground. Physical Review Letters, 2021, 127, 061801.	7.8	53
6	Dual MeV gamma-ray and dark matter observatory - GRAMS Project. Astroparticle Physics, 2020, 114, 107-114.	4.3	48
7	Characterizing TES power noise for future single optical-phonon and infrared-photon detectors. AIP Advances, 2020, 10, 085221.	1.3	14
8	Cosmic-ray antinuclei as messengers of new physics: status and outlook for the new decade. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 035-035.	5.4	48
9	Constraints on low-mass, relic dark matter candidates from a surface-operated SuperCDMS single-charge sensitive detector. Physical Review D, 2020, 102, .	4.7	83
10	Finding the Remnants of the Milky Way's Last Neutron Star Mergers. Astrophysical Journal, 2019, 880, 23.	4.5	26
11	Energy loss due to defect formation from 206Pb recoils in SuperCDMS germanium detectors. Applied Physics Letters, 2018, 113, .	3.3	4
12	First Dark Matter Constraints from a SuperCDMS Single-Charge Sensitive Detector. Physical Review Letters, 2018, 121, 051301.	7.8	183
13	Fabrication of low-cost, large-area prototype Si(Li) detectors for the GAPS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 12-21.	1.6	18
14	Present Status and Future Plans of GAPS Antiproton and Antideuteron Measurement for Indirect Dark Matter Search. , 2017, , .		1
15	NuSTAR HARD X-RAY SURVEY OF THE GALACTIC CENTER REGION. II. X-RAY POINT SOURCES. Astrophysical Journal, 2016, 825, 132.	4.5	48
16	Antideuteron sensitivity for the GAPS experiment. Astroparticle Physics, 2016, 74, 6-13.	4.3	49
17	Review of the theoretical and experimental status of dark matter identification with cosmic-ray antideuterons. Physics Reports, 2016, 618, 1-37.	25.6	85
18	On the Fe K absorption "accretion state connection in the Galactic Centre neutron star X-ray binary AX J1745.6-2901. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1536-1550.	4.4	40

#	ARTICLE	IF	CITATIONS
19	The flight of the GAPS prototype experiment. <i>Astroparticle Physics</i> , 2014, 54, 93-109.	4.3	18
20	The pGAPS experiment: An engineering balloon flight of prototype GAPS. <i>Advances in Space Research</i> , 2014, 53, 1432-1437.	2.6	21
21	Potential for precision measurement of low-energy antiprotons with GAPS for dark matter and primordial black hole physics. <i>Astroparticle Physics</i> , 2014, 59, 12-17.	4.3	23
22	The prototype GAPS (pGAPS) experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 735, 24-38.	1.6	19
23	Antideuteron based dark matter search with GAPS: Current progress and future prospects. <i>Advances in Space Research</i> , 2013, 51, 290-296.	2.6	23
24	A measurement of atomic X-ray yields in exotic atoms and implications for an antideuteron-based dark matter search. <i>Astroparticle Physics</i> , 2013, 49, 52-62.	4.3	12
25	Antideuterons as an indirect dark matter signature: Si(Li) detector development and a GAPS balloon mission. <i>Advances in Space Research</i> , 2010, 46, 1349-1353.	2.6	9
26	Current status and future plans for the general antiparticle spectrometer (GAPS). <i>Advances in Space Research</i> , 2008, 41, 2056-2060.	2.6	11
27	Accelerator testing of the general antiparticle spectrometer; a novel approach to indirect dark matter detection. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 007-007.	5.4	37