Young Soo Yoon

List of Publications by Year in descending order

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Version: 2024-02-01

52 papers	1,628 citations	623734 14 h-index	289244 40 g-index
52 all docs	52 docs citations	52 times ranked	1152 citing authors

#	Article	IF	Citations
1	Neutron background measurement for rare event search experiments in the YangYang underground laboratory. Astroparticle Physics, 2021, 126, 102533.	4.3	6
2	Performance of the ISS-CREAM calorimeter in a calibration beam test. Astroparticle Physics, 2021, 130, 102583.	4.3	2
3	Pulse-shape Discrimination of Fast Neutron Background using Convolutional Neural Network for NEOS II. Journal of the Korean Physical Society, 2020, 77, 1118-1124.	0.7	7
4	First results from the AMoRE-Pilot neutrinoless double beta decay experiment. European Physical Journal C, 2019, 79, 1.	3.9	80
5	The boronated scintillator detector of the ISS-CREAM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 943, 162413.	1.6	4
6	Measurement of delayed fluorescence in plastic scintillator from 1 to 10 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e83" altimg="si3.svg"><mml:mi mathvariant="normal">Î¼</mml:mi><mml:mi mathvariant="normal">s</mml:mi></mml:math>. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162368.	1.6	2
7	The ISS-CREAM Silicon Charge Detector for identification of the charge of cosmic rays up to ZÂ=Â26: Design, fabrication and ground-test performance. Astroparticle Physics, 2019, 112, 8-15.	4.3	3
8	On-orbit performance of the top and bottom counting detectors for the ISS-CREAM experiment on the international space station. Advances in Space Research, 2019, 64, 2564-2569.	2.6	7
9	Initial performance of the high sensitivity alpha particle detector at the Yangyang underground laboratory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 913, 15-19.	1.6	2
10	A simulation study of Top and Bottom Counting Detectors in ISS-CREAM experiment for cosmic ray electron physics. Advances in Space Research, 2018, 62, 2939-2944.	2.6	1
11	Status of the AMoRE Experiment Searching for Neutrinoless Double Beta Decay Using Low-Temperature Detectors. Journal of Low Temperature Physics, 2018, 193, 1182-1189.	1.4	14
12	Trigger Study on the AMoRE-Pilot Detector. Journal of Low Temperature Physics, 2018, 193, 1190-1198.	1.4	4
13	Proton and Helium Spectra from the CREAM-III Flight. Astrophysical Journal, 2017, 839, 5.	4.5	169
14	MMC-based low-temperature detector system of the AMoRE-Pilot experiment. Superconductor Science and Technology, 2017, 30, 084011.	3.5	20
15	Vibration isolation system for cryogenic phonon-scintillation calorimeters. Journal of Instrumentation, 2017, 12, C02057-C02057.	1.2	12
16	Simulations of background sources in AMoRE-I experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 855, 140-147.	1.6	21
17	Measurements of the Proton and Helium Spectra from CREAM-V. , 2017, , .		0
18	Charge resolution of the ISS-CREAM SCD measured with a heavy-ion beam. , 2017, , .		0

#	Article	IF	Citations
19	Performance of the BACCUS Transition Radiation Detector. , 2017, , .		0
20	The Cosmic Ray Energetics And Mass for the International Space Station (ISS-CREAM) Instrument. , 2017, , .		0
21	Performance of the ISS-CREAM Calorimeter. , 2017, , .		0
22	Status of the AMoRE experiment to search for Neutrinoless Double Beta Decay of Mo-100. , 2017, , .		1
23	Boron And Carbon Cosmic rays in the Upper Stratosphere (BACCUS). , 2017, , .		2
24	Search for solar axions with CsI(Tl) crystal detectors. Journal of High Energy Physics, 2016, 2016, 1.	4.7	11
25	Background study of NaI(Tl) crystals for the KIMS-NaI experiment. Journal of Physics: Conference Series, 2016, 718, 042001.	0.4	0
26	A Study of Radioactive Contamination of Crystals for the AMoRE Experiment. IEEE Transactions on Nuclear Science, 2016, 63, 543-547.	2.0	15
27	Pulse Shape Discrimination of Nuclear Recoil and Electron Recoil Events With a NaI(Tl) Crystal for Dark Matter Search. IEEE Transactions on Nuclear Science, 2016, 63, 534-538.	2.0	0
28	Understanding internal backgrounds in NaI(Tl) crystals toward a 200Âkg array for the KIMS-NaI experiment. European Physical Journal C, 2016, 76, 1.	3.9	39
29	Performances of photodiode detectors for top and bottom counting detectors of ISS-CREAM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 134-139.	1.6	13
30	Construction and testing of a Top Counting Detector and a Bottom Counting Detector for the Cosmic Ray Energetics And Mass experiment on the International Space Station. Journal of Instrumentation, 2015, 10, P07018-P07018.	1.2	7
31	Cosmic Ray Energetics And Mass for the International Space Station (ISS-CREAM). Advances in Space Research, 2014, 53, 1451-1455.	2.6	47
32	Design and construction of a Cherenkov imager for charge measurement of nuclear cosmic rays. Journal of Instrumentation, 2011, 6, P06004-P06004.	1.2	2
33	COSMIC-RAY PROTON AND HELIUM SPECTRA FROM THE FIRST CREAM FLIGHT. Astrophysical Journal, 2011, 728, 122.	4.5	290
34	MEASUREMENTS OF THE RELATIVE ABUNDANCES OF HIGH-ENERGY COSMIC-RAY NUCLEI IN THE TeV/NUCLEON REGION. Astrophysical Journal, 2010, 715, 1400-1407.	4.5	41
35	DISCREPANT HARDENING OBSERVED IN COSMIC-RAY ELEMENTAL SPECTRA. Astrophysical Journal Letters, 2010, 714, L89-L93.	8.3	314
36	ENERGY SPECTRA OF COSMIC-RAY NUCLEI AT HIGH ENERGIES. Astrophysical Journal, 2009, 707, 593-603.	4.5	160

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37	Measurements of cosmic-ray energy spectra with the 2nd CREAM flight. Nuclear Physics, Section B, Proceedings Supplements, 2009, 196, 239-242.	0.4	6
38	The Cosmic Ray Energetics and Mass (CREAM) timing charge detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 525-536.	1.6	4
39	Performance of the CREAM-III Calorimeter. IEEE Transactions on Nuclear Science, 2009, 56, 1396-1399.	2.0	4
40	Preliminary results from the second flight of CREAM. Advances in Space Research, 2008, 41, 2002-2009.	2.6	6
41	CREAM: 70 days of flight from 2 launches in Antarctica. Advances in Space Research, 2008, 42, 1656-1663.	2.6	23
42	Measurements of cosmic-ray secondary nuclei at high energies with the first flight of the CREAM balloon-borne experiment. Astroparticle Physics, 2008, 30, 133-141.	4.3	167
43	CHERCAM: The Cherenkov imager of the CREAM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 62-66.	1.6	1
44	First measurements of cosmic-ray nuclei at high energy with CREAM. Advances in Space Research, 2008, 42, 403-408.	2.6	5
45	Approaching the Knee with Direct Measurements. Nuclear Physics, Section B, Proceedings Supplements, 2008, 175-176, 155-161.	0.4	2
46	Performance of a Dual Layer Silicon Charge Detector During CREAM Balloon Flight. IEEE Transactions on Nuclear Science, 2007, 54, 1743-1747.	2.0	7
47	Beam test of a dual layer silicon charge detector (SCD) for the CREAM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 133-135.	1.6	3
48	The Cosmic Ray Energetics And Mass (CREAM) instrument. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 1034-1053.	1.6	77
49	Silicon charge detector for the CREAM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 286-291.	1.6	19
50	Design and performance in the first flight of the transition radiation detector and charge detector of the CREAM balloon instrument. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 485-487.	1.6	5
51	The CREAM Calorimeter: Performance In Tests And Flights. AIP Conference Proceedings, 2006, , .	0.4	3
52	CREAM-Pushing the high energy frontier of directly measured cosmic rays. European Physical Journal D, 2006, 56, A301-A312.	0.4	0