

# Moo Hyun Lee

## List of Publications by Year in descending order

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222  
papers

6,766  
citations

109137

35  
h-index

66788

78  
g-index

223  
all docs

223  
docs citations

223  
times ranked

6239  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Belle detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 479, 117-232.	0.7	1,247
2	Observation of Large CP Violation in the Neutral B Meson System. Physical Review Letters, 2001, 87, 091802.	2.9	471
3	DISCREPANT HARDENING OBSERVED IN COSMIC-RAY ELEMENTAL SPECTRA. Astrophysical Journal Letters, 2010, 714, L89-L93.	3.0	314
4	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
5	COSMIC-RAY PROTON AND HELIUM SPECTRA FROM THE FIRST CREAM FLIGHT. Astrophysical Journal, 2011, 728, 122.	1.6	290
6	A measurement of the branching fraction for the inclusive $B \rightarrow X s \bar{s}$ decays with the Belle detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 511, 151-158.	1.5	241
7	Sterile Neutrino Search at the NEOS Experiment. Physical Review Letters, 2017, 118, 121802.	2.9	240
8	Proton and Helium Spectra from the CREAM-III Flight. Astrophysical Journal, 2017, 839, 5.	1.6	169
9	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.	1.9	167
10	ENERGY SPECTRA OF COSMIC-RAY NUCLEI AT HIGH ENERGIES. Astrophysical Journal, 2009, 707, 593-603.	1.6	160
11	Measurement of the CP Violation Parameters in $B_d^0 \rightarrow \pi^+ \pi^-$ Meson Decays. Physical Review Letters, 2001, 86, 2509-2514.	2.9	107
12	Measurement of $B_d^0 \rightarrow \pi^+ \pi^-$ Mixing Rate from the Time Evolution of Dilepton Events at the $\psi(4S)$ . Physical Review Letters, 2001, 86, 3228-3232.	2.9	96
13	An experiment to search for dark-matter interactions using sodium iodide detectors. Nature, 2018, 564, 83-86.	13.7	94
14	Search for a Dark Matter-Induced Annual Modulation Signal in NaI(Tl) with the COSINE-100 Experiment. Physical Review Letters, 2019, 123, 031302.	2.9	85
15	Initial performance of the COSINE-100 experiment. European Physical Journal C, 2018, 78, 1.	1.4	80
16	First results from the AMoRE-Pilot neutrinoless double beta decay experiment. European Physical Journal C, 2019, 79, 1.	1.4	80
17	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.	0.7	77
18	Measurement of the Cosmic-Ray Antiproton Spectrum at Solar Minimum with a Long-Duration Balloon Flight over Antarctica. Physical Review Letters, 2012, 108, 051102.	2.9	77

#	ARTICLE	IF	CITATIONS
19	Measurement of Branching Fractions for $B \rightarrow \bar{c} \ell \bar{\nu}_\ell$ , $K \rightarrow \pi \ell \bar{\nu}_\ell$ , and $K \rightarrow \pi \ell \bar{\nu}_\ell$ Decays. <i>Physical Review Letters</i> , 2001, 87, 101801.	2.9	74
20	Multihadron-event properties in $e^+e^-$ annihilation at $s=52 \text{--} 57 \text{ GeV}$ . <i>Physical Review D</i> , 1990, 41, 2675-2688.	1.6	73
21	A detailed test of the CsI(Tl) calorimeter for BELLE with photon beams of energy between 20 MeV and 5.4 GeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 441, 401-426.	0.7	71
22	Measurement of the cosmic-ray low-energy antiproton spectrum with the first BESS-Polar Antarctic flight. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 670, 103-108.	1.5	71
23	MEASUREMENTS OF COSMIC-RAY PROTON AND HELIUM SPECTRA FROM THE BESS-POLAR LONG-DURATION BALLOON FLIGHTS OVER ANTARCTICA. <i>Astrophysical Journal</i> , 2016, 822, 65.	1.6	63
24	Experimental evidence for the non-Abelian nature of QCD from a study of multijet events produced in $e^+e^-$ annihilation. <i>Physical Review Letters</i> , 1989, 62, 1713-1716.	2.9	60
25	Cosmic-ray energetics and mass (CREAM) balloon project. <i>Advances in Space Research</i> , 2004, 33, 1777-1785.	1.2	55
26	Evidence for hard scattering of hadronic constituents of photons in photon-photon collisions of TRISTAN. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 277, 215-220.	1.5	54
27	Neutron beam test of CsI crystal for dark matter search. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 491, 460-469.	0.7	51
28	Background model for the NaI(Tl) crystals in COSINE-100. <i>European Physical Journal C</i> , 2018, 78, 490.	1.4	49
29	Cosmic Ray Energetics And Mass for the International Space Station (ISS-CREAM). <i>Advances in Space Research</i> , 2014, 53, 1451-1455.	1.2	47
30	Charged-particle multiplicities in $e^+e^-$ annihilations at $s=50 \text{--} 61.4 \text{ GeV}$ . <i>Physical Review D</i> , 1990, 42, 737-747.	1.6	44
31	MEASUREMENTS OF THE RELATIVE ABUNDANCES OF HIGH-ENERGY COSMIC-RAY NUCLEI IN THE TeV/NUCLEON REGION. <i>Astrophysical Journal</i> , 2010, 715, 1400-1407.	1.6	41
32	Understanding internal backgrounds in NaI(Tl) crystals toward a 200 kg array for the KIMS-NaI experiment. <i>European Physical Journal C</i> , 2016, 76, 1.	1.4	39
33	Measurements of the inclusive jet cross section in photon-photon interactions at TRISTAN. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 325, 248-256.	1.5	38
34	Search for Antihelium with the BESS-Polar Spectrometer. <i>Physical Review Letters</i> , 2012, 108, 131301.	2.9	37
35	A measurement of the photon structure function $F_2$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 252, 491-498.	1.5	36
36	Study of the internal background of CsI(Tl) crystal detectors for dark matter search. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 500, 337-344.	0.7	34

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37	Search for Isolated Leptons in Low-Thrust $e^+e^-$ Annihilation Events at $\sqrt{s}=50$ and $52$ GeV. <i>Physical Review Letters</i> , 1988, 60, 2359-2362.	2.9	31
38	Measurements of the $e^+e^-$ total hadronic cross section and a determination of $\alpha_s$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 218, 499-507.	1.5	31
39	Measurements of $e^+e^-$ annihilation at the KEK collider TRISTAN. <i>Physical Review D</i> , 1990, 42, 1339-1349.	1.6	31
40	A high- $Q^2$ measurement of the photon structure function $F_2^{\gamma}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 346, 208-216.	1.5	31
41	Comparison of quark and gluon jets produced in high-energy $e^+e^-$ annihilations. <i>Physical Review Letters</i> , 1989, 63, 1772-1775.	2.9	29
42	Measurement of the neutron flux in the CPL underground laboratory and simulation studies of neutron shielding for WIMP searches. <i>Astroparticle Physics</i> , 2004, 20, 549-557.	1.9	29
43	Muon detector for the COSINE-100 experiment. <i>Journal of Instrumentation</i> , 2018, 13, T02007-T02007.	0.5	28
44	Measurements of cross sections and charge asymmetries for $e^+e^-$ from 52 to 57 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 218, 112-118.	1.5	27
45	Observation of Cabibbo Suppressed $B^0 \rightarrow D^{(*)} K^0$ Decays at Belle. <i>Physical Review Letters</i> , 2001, 87, 111801.	2.9	27
46	Strong constraints from COSINE-100 on the DAMA dark matter results using the same sodium iodide target. <i>Science Advances</i> , 2021, 7, eabk2699.	4.7	27
47	BESS-polar experiment. <i>Advances in Space Research</i> , 2004, 33, 1755-1762.	1.2	25
48	Searches for the decays of $^{64}\text{Zn}$ and $^{112}\text{Sn}$ , and the $\beta\beta$ decay transitions of $^{124}\text{Sn}$ to the excited states of $^{124}\text{Te}$ . <i>Nuclear Physics A</i> , 2007, 793, 171-177.	0.6	24
49	Search for the substructure of leptons in high energy QED processes at tristan. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 223, 476-484.	1.5	23
50	Study of the radiation hardness of CsI(Tl) crystals for the BELLE detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997, 394, 46-56.	0.7	23
51	CREAM: 70 days of flight from 2 launches in Antarctica. <i>Advances in Space Research</i> , 2008, 42, 1656-1663.	1.2	23
52	The COSINE-100 data acquisition system. <i>Journal of Instrumentation</i> , 2018, 13, P09006-P09006.	0.5	23
53	Luminescence and Scintillation Properties of Novel Disodium Dimolybdate ( $\text{Na}_2\text{Mo}_2\text{O}_7$ ) Single Crystal. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 2125-2131.	1.2	23
54	The BESS Program. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 134, 31-38.	0.5	21

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55	Measurement of inclusive production of neutral pions from $\Upsilon(4S)$ decays. <i>Physical Review D</i> , 2001, 64, .	1.6	20
56	Development of ultra-pure NaI(Tl) detectors for the COSINE-200 experiment. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	20
57	Silicon charge detector for the CREAM experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 570, 286-291.	0.7	19
58	Search for New Molybdenum-Based Crystal Scintillators for the Neutrinoless Double Beta Decay Search Experiment. <i>Crystal Research and Technology</i> , 2019, 54, 1900079.	0.6	19
59	First Direct Search for Inelastic Boosted Dark Matter with COSINE-100. <i>Physical Review Letters</i> , 2019, 122, 131802.	2.9	19
60	AMoRE: a search for neutrinoless double-beta decay of $<sup>100</sup>Mo$ using low-temperature molybdenum-containing crystal detectors. <i>Journal of Instrumentation</i> , 2020, 15, C08010-C08010.	0.5	19
61	Cosmic-ray energetics and mass (CREAM) balloon experiment. <i>Advances in Space Research</i> , 2002, 30, 1263-1272.	1.2	18
62	Search for antihelium: Progress with BESS. <i>Advances in Space Research</i> , 2008, 42, 450-454.	1.2	18
63	Search for unstable heavy neutral leptons in $e^+e^-$ annihilations at $\sqrt{s}$ from 50 to 60.8 GeV. <i>Physical Review Letters</i> , 1989, 63, 1342-1345.	2.9	17
64	Measurement of $e^+e^- \rightarrow b\bar{b}$ forward-backward charge asymmetry between $\sqrt{s} = 52$ and 57 GeV. <i>Physical Review Letters</i> , 1989, 63, 2341-2345.	2.9	17
65	A search for SUSY particles in $e^+e^-$ annihilations at $s=50$ –60.8 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 234, 534-540.	1.5	17
66	Czochralski growth, electronic structure, luminescence and scintillation properties of Cs <sub>2</sub> Mo <sub>3</sub> O <sub>10</sub> : A new scintillation crystal for $0\nu\beta\beta$ decay search. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153466.	2.8	17
67	Lowering the energy threshold in COSINE-100 dark matter searches. <i>Astroparticle Physics</i> , 2021, 130, 102581.	1.9	17
68	Forward-backward charge asymmetry in $e^+e^- \rightarrow \tau^+\tau^-$ hadron jets. <i>Physical Review Letters</i> , 1990, 64, 983-986.	2.9	16
69	A measurement of the photon structure function $F_2^{\gamma}$ at $Q^2 = 6.8$ GeV <sup>2</sup> . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 400, 395-400.	1.5	16
70	Background modeling for dark matter search with 1.7 years of COSINE-100 data. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	16
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73	A Study of Radioactive Contamination of Crystals for the AMoRE Experiment. IEEE Transactions on Nuclear Science, 2016, 63, 543-547.	1.2	15
74	Progress of the BESS Superconducting Spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 167-171.	0.7	14
75	Development of Low Background CsI(Tl) Crystals and Search for WIMP. IEEE Transactions on Nuclear Science, 2008, 55, 1420-1424.	1.2	14
76	Development and mass production of a mixture of LAB- and DIN-based gadolinium-loaded liquid scintillator for the NEOS short-baseline neutrino experiment. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 311-316.	0.7	14
77	Measurement of charm production in two-photon processes using inclusive lepton events at TRISTAN. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 363, 249-258.	1.5	13
78	A search for $\tilde{O}^{1/2}\tilde{L}^{1/2}$ decay of $^{124}\text{Sn}$ with tin-loaded liquid scintillator. Astroparticle Physics, 2009, 31, 412-416.	1.9	13
79	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.	0.7	13
80	Study of cosmogenic radionuclides in the COSINE-100 NaI(Tl) detectors. Astroparticle Physics, 2020, 115, 102390.	1.9	13
81	The COSINE-100 liquid scintillator veto system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1006, 165431.	0.7	13
82	New limits on the masses of the selectron and photino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 86-92.	1.5	12
83	Pulse-shape discrimination between electron and nuclear recoils in a NaI(Tl) crystal. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
84	COSINE-100 and DAMA/LIBRA-phase2 in WIMP effective models. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 048-048.	1.9	12
85	Comparison between DAMA/LIBRA and COSINE-100 in the light of quenching factors. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 008-008.	1.9	12
86	A search for leptoquark and colored lepton pair production in $e^+e^-$ annihilations at TRISTAN. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 243-249.	1.5	11
87	BESS-Polar experiment: Progress and future prospects. Advances in Space Research, 2008, 42, 1664-1669.	1.2	11
88	The results from BESS-Polar experiment. Advances in Space Research, 2017, 60, 806-814.	1.2	11
89	Growth and Optical Properties of a Cs <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> Single Crystal. IEEE Transactions on Nuclear Science, 2018, 65, 2120-2124.	1.2	11
90	The $\text{Na}_2\text{W}_2\text{O}_7$ . European Physical Journal C, 2018, 78, 1.	1.4	11

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91	Radioassay and Purification for Experiments at Y2L and Yemilab in Korea. Journal of Physics: Conference Series, 2020, 1468, 012249.	0.3	11
92	PbMoO <sub>4</sub> Synthesis from Ancient Lead and Its Single Crystal Growth for Neutrinoless Double Beta Decay Search. Crystals, 2020, 10, 150.	1.0	11
93	A measurement of Bose-Einstein correlations in $e^+e^-$ annihilation at TRISTAN. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 406-414.	1.5	10
94	Measurement of $D^+ - \bar{A}^\pm$ production in two-photon processes at TRISTAN. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 381, 372-378.	1.5	10
95	Performance of CREAM Calorimeter: Results of Beam Tests. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 272-275.	0.5	10
96	Cosmic ray 2H/1H ratio measured from BESS in 2000 during solar maximum. Advances in Space Research, 2013, 51, 234-237.	1.2	10
97	Luminescence and scintillation characterization of PbMoO <sub>4</sub> crystal for neutrinoless double beta decay search. Radiation Measurements, 2019, 123, 34-38.	0.7	10
98	Measurement of the cosmic muon annual and diurnal flux variation with the COSINE-100 detector. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 013-013.	1.9	10
99	Experimental Mass Limit for a Fourth-Generation Sequential Lepton from $e^+e^-$ Annihilations at $\sqrt{s}=56\text{GeV}$ . Physical Review Letters, 1988, 61, 911-914.	2.9	9
100	Observation of anomalous production of muon pairs in $e^+e^-$ annihilation into four-lepton final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 573-579.	1.5	9
101	Performance of a diamond-tungsten sampling calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 349, 96-105.	0.7	9
102	Diamond detectors for high energy physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 351, 217-221.	0.7	9
103	A Study of $^{48}\text{Ca}$ and $^{100}\text{MoO}_4$ Scintillation Crystals for the AMoRE-I Experiment. IEEE Transactions on Nuclear Science, 2018, 65, 2041-2045.	1.2	9
104	Limits on interactions between weakly interacting massive particles and nucleons obtained with NaI(Tl) crystal detectors. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
105	Phonon Scintillation Detection Systems with MMC Readout. Journal of Low Temperature Physics, 2020, 199, 1082-1088.	0.6	9
106	A cryogenic setup for multifunctional characterization of luminescence and scintillation properties of single crystals. Review of Scientific Instruments, 2020, 91, 103108.	0.6	9
107	Measurements of cross section and charge asymmetry for $e^+e^- \rightarrow \tau^+ \tau^-$ and $e^+e^- \rightarrow \tau^+ \tau^- \gamma$ at $\sqrt{s} = 57.8$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 331, 227-235.	1.5	8
108	Ultra-high responsivity, silicon nanowire photodetectors for retinal prosthesis. , 2012, , .		8

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109	Search for cosmic-ray antiproton origins and for cosmological antimatter with BESS. <i>Advances in Space Research</i> , 2013, 51, 227-233.	1.2	8
110	Development of an underground low background instrument for high sensitivity measurements. <i>Journal of Physics: Conference Series</i> , 2016, 718, 062050.	0.3	8
111	Scintillation properties of the silver doped lithium iodide single crystals at room and low temperature. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 821, 81-86.	0.7	8
112	Growth and development of pure $\text{Li}_2\text{MoO}_4$ crystals for rare event experiment at CUP. <i>Journal of Instrumentation</i> , 2020, 15, C07035-C07035.	0.5	8
113	Measurement of $\hat{\Gamma}_s$ from the moment of particle momenta within jets from $e+e-$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 313, 469-474.	1.5	7
114	Beam test of the CsI(Tl) calorimeter for the BELLE detector at the KEK-B factory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 380, 517-523.	0.7	7
115	Study of characteristics of the BELLE CsI calorimeter prototype with a BINP tagged photon beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 410, 179-194.	0.7	7
116	Precise measurements of the cosmic ray antiproton spectrum with BESS including the effects of solar modulation. <i>Advances in Space Research</i> , 2005, 35, 135-141.	1.2	7
117	Performance of a Dual Layer Silicon Charge Detector During CREAM Balloon Flight. <i>IEEE Transactions on Nuclear Science</i> , 2007, 54, 1743-1747.	1.2	7
118	The BESS Program. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2007, 166, 62-67.	0.5	7
119	Search for primordial antiparticles with BESS. <i>Advances in Space Research</i> , 2008, 42, 442-449.	1.2	7
120	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. <i>Journal of Instrumentation</i> , 2015, 10, P07018-P07018.	0.5	7
121	On-orbit performance of the top and bottom counting detectors for the ISS-CREAM experiment on the international space station. <i>Advances in Space Research</i> , 2019, 64, 2564-2569.	1.2	7
122	A facility for mass production of ultra-pure NaI powder for the COSINE-200 experiment. <i>Journal of Instrumentation</i> , 2020, 15, C07031-C07031.	0.5	7
123	Pulse-shape Discrimination of Fast Neutron Background using Convolutional Neural Network for NEOS II. <i>Journal of the Korean Physical Society</i> , 2020, 77, 1118-1124.	0.3	7
124	Measurements of cross section and asymmetry for $e^+e^- \rightarrow b\bar{b}$ and heavy quark fragmentation at KEK TRISTAN. <i>Physical Review D</i> , 1994, 49, 4339-4347.	1.6	6
125	Preliminary results from the second flight of CREAM. <i>Advances in Space Research</i> , 2008, 41, 2002-2009.	1.2	6
126	Measurements of cosmic-ray energy spectra with the 2nd CREAM flight. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009, 196, 239-242.	0.5	6



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127	Time variations of cosmic-ray helium isotopes with BESS-Polar I. <i>Advances in Space Research</i> , 2014, 53, 1426-1431.	1.2	6
128	Development of an underground HPGe array facility for ultra low radioactivity measurements. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	6
129	Comparison of fast neutron rates for the NEOS experiment. <i>Journal of the Korean Physical Society</i> , 2016, 69, 1651-1655.	0.3	6
130	Study of fast neutron detector for COSINE-100 experiment. <i>Journal of Instrumentation</i> , 2018, 13, T06005-T06005.	0.5	6
131	Crystal growth, optical and luminescence properties of Na <sub>6</sub> Mo <sub>11</sub> O <sub>36</sub> single crystal. <i>Journal of Crystal Growth</i> , 2019, 512, 1-5.	0.7	6
132	A search for solar axion induced signals with COSINE-100. <i>Astroparticle Physics</i> , 2020, 114, 101-106.	1.9	6
133	Crystal growth, optical, luminescence and scintillation characterization of Li <sub>2</sub> Zn <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> crystal. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158510.	2.8	6
134	Construction and test of a tungsten/Sci-Fi imaging calorimeter for the CREAM experiment. , 2004, 535, 143-143.		6
135	The environmental monitoring system at the COSINE-100 experiment. <i>Journal of Instrumentation</i> , 2022, 17, T01001.	0.5	6
136	Nuclear counter effect of silicon PIN photodiode used in CsI(Tl) calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997, 391, 423-426.	0.7	5
137	The Cosmic Ray Energetics and Mass (CREAM) experiment timing charge detector. , 2003, , .		5
138	Design and performance in the first flight of the transition radiation detector and charge detector of the CREAM balloon instrument. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 572, 485-487.	0.7	5
139	First measurements of cosmic-ray nuclei at high energy with CREAM. <i>Advances in Space Research</i> , 2008, 42, 403-408.	1.2	5
140	Growth, Luminescence and Scintillation Characterization of Disodium Di-tungstate (Na <sub>2</sub> W <sub>2</sub> O <sub>7</sub> ) Crystal Scintillator. <i>Journal of the Korean Physical Society</i> , 2018, 73, 1191-1196.	0.3	5
141	Development of an array of fourteen HPGe detectors having 70% relative efficiency each. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 989, 164954.	0.7	5
142	Measurements of detector material samples with two HPGe detectors at the YangYang Underground Lab., 2019, , .		5
143	Study of the BELLE CsI calorimeter prototype with the BINP tagged photon beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 379, 491-494.	0.7	4
144	Observation of exclusive $\hat{1}$ -c production in two photon interactions at TRISTAN. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 424, 405-410.	1.5	4

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145	BESS-Polar: long duration flights at antarctica to search for primordial antiparticles. Nuclear Physics, Section B, Proceedings Supplements, 2002, 113, 208-212.	0.5	4
146	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.	0.7	4
147	Performance of the CREAM-III Calorimeter. IEEE Transactions on Nuclear Science, 2009, 56, 1396-1399.	1.2	4
148	Scintillation Characterizations of Tin Doped Lithium Iodide Crystals at Room and Low Temperature. IEEE Transactions on Nuclear Science, 2016, 63, 448-452.	1.2	4
149	Simulation Study for the Half-Life Measurement of $^{180m}\text{Ta}$ Using HPGe Detectors. Journal of the Korean Physical Society, 2019, 75, 32-39.	0.3	4
150	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.	0.7	4
151	Status of ultra-pure scintillating crystal growth for rare process experiments by CUP. Journal of Physics: Conference Series, 2020, 1468, 012144.	0.3	4
152	COSMIC RAY ENERGETICS AND MASS (CREAM): CALIBRATING A COSMIC RAY CALORIMETER. , 2003, , .		4
153	Purification and recovery of $^{100}\text{Mo}$ in crystal production for AMoRE experiment. Journal of Instrumentation, 2020, 15, C07032-C07032.	0.5	4
154	Scintillation characteristics of a NaI(Tl) crystal at low-temperature with silicon photomultiplier. Journal of Instrumentation, 2022, 17, P02027.	0.5	4
155	Search for non-minimal Higgs production in $e^+e^-$ annihilations at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 228, 548-552.	1.5	3
156	Forward-backward charge asymmetry of quark pairs produced at the KEK TRISTAN $e^+e^-$ collider. Physical Review D, 1994, 49, 3098-3105.	1.6	3
157	The CREAM Calorimeter: Performance In Tests And Flights. AIP Conference Proceedings, 2006, , .	0.3	3
158	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.	0.7	3
159	NEOS Experiment. Journal of Physics: Conference Series, 2019, 1216, 012004.	0.3	3
160	The ISS-CREAM Silicon Charge Detector for identification of the charge of cosmic rays up to $Z_{\text{eff}}=26$ : Design, fabrication and ground-test performance. Astroparticle Physics, 2019, 112, 8-15.	1.9	3
161	Measurement of the Background Activities of a $^{100}\text{Mo}$ -enriched Powder Sample for an AMoRE Crystal Material by Using a Single High-Purity Germanium Detector. Journal of the Korean Physical Society, 2020, 76, 1060-1066.	0.3	3
162	An ultra-low radioactivity measurement HPGe facility at the Center for Underground Physics. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
163	A feasibility study of extruded plastic scintillator embedding WLS fiber for AMoRE-II muon veto. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 167123.	0.7	3
164	Search for anomalous $\hat{1}\hat{3}\hat{3}$ production at TRISTAN. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 303, 385-390.	1.5	2
165	A determination of $\hat{1}\pm s$ in $e+e\hat{a}^{\prime}$ annihilation at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 394-400.	1.5	2
166	Observation of the color coherence effect in sub-jet multiplicity of three-jet and four-jet events in $e+e\hat{a}^{\prime}$ annihilations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 304-312.	1.5	2
167	Measurement of the forward-backward asymmetry in and the b-quark branching ratio to muons at TRISTAN using neural networks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 381, 365-371.	1.5	2
168	Measurement of $D\hat{a}^{\pm}-\hat{A}\pm$ production in two-photon processes at TRISTAN. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 481-486.	1.5	2
169	Development of CsI crystals for WIMP search. Nuclear Physics, Section B, Proceedings Supplements, 2003, 124, 217-220.	0.5	2
170	Construction and test of a scintillator hodoscope for the CREAM experiment. Nuclear Physics, Section B, Proceedings Supplements, 2004, 134, 75-77.	0.5	2
171	Design, Implementation, and Performance of CREAM Data Acquisition Software. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 304-307.	0.5	2
172	Approaching the Knee with Direct Measurements. Nuclear Physics, Section B, Proceedings Supplements, 2008, 175-176, 155-161.	0.5	2
173	Design and construction of a Cherenkov imager for charge measurement of nuclear cosmic rays. Journal of Instrumentation, 2011, 6, P06004-P06004.	0.5	2
174	Study of a generalized birks formula for the scintillation response of a CaMoO4 crystal. Journal of the Korean Physical Society, 2017, 71, 928-933.	0.3	2
175	Measurement of delayed fluorescence in plastic scintillator from 1 to 10 $\hat{1}\hat{3}\hat{3}$ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 14-18.	0.7	2
176	Simulation study of a pixelated silicon sensor on high resistivity integrated with field effect transistor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 14-18.	0.7	2
177	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.	0.7	2
178	Luminescence properties of TlAlF4 crystal. Journal of Luminescence, 2020, 223, 117197.	1.5	2
179	Optical and mechanical properties of Li2Mg2(MoO4)3 crystal grown by Czochralski method. Optik, 2020, 207, 164430.	1.4	2
180	Measurement of the background activities of a $\hat{A}100\text{Mo}$ -enriched powder sample for an AMoRE crystal material by using fourteen high-purity germanium detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 992, 165020.	0.7	2

#	ARTICLE	IF	CITATIONS
181	Performance of the ISS-CREAM calorimeter in a calibration beam test. <i>Astroparticle Physics</i> , 2021, 130, 102583.	1.9	2
182	Optical properties of the Czochralski grown Cs <sub>2</sub> MoO <sub>4</sub> crystal. <i>Optik</i> , 2021, 242, 167035.	1.4	2
183	Precise Measurements of Hydrogen and Helium Isotopes with BESS-Polar II. , 2017, , .		2
184	Boron And Carbon Cosmic rays in the Upper Stratosphere (BACCUS). , 2017, , .		2
185	An MMC-based cryogenic calorimeter with a massive sodium molybdate crystal absorber for neutrinoless double beta decay searches. <i>Journal of Instrumentation</i> , 2022, 17, P04004.	0.5	2
186	Mass limits of charged Higgs boson at large $\tan^2\beta$ annihilations at $\sqrt{s}=50\sim 60.8$ GeV. <i>Physical Review D</i> , 1990, 42, 949-951.	1.6	1
187	Study of two particle azimuthal correlations in $e^+e^-$ annihilation at $\sqrt{s}=58$ GeV. <i>Physical Review D</i> , 1995, 52, 4872-4876.	1.6	1
188	Low-energy beam test results of a calorimeter prototype for the CREAM experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 125, 358-362.	0.5	1
189	Electron beam test results with a DC-coupled single-sided strip detector. , 2007, , .		1
190	CHERCAM: The Cherenkov imager of the CREAM experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 595, 62-66.	0.7	1
191	A simulation study of Top and Bottom Counting Detectors in ISS-CREAM experiment for cosmic ray electron physics. <i>Advances in Space Research</i> , 2018, 62, 2939-2944.	1.2	1
192	Measurement of <sup>137</sup> Cs in Ice Core Samples from Antarctica. <i>Journal of the Korean Physical Society</i> , 2018, 73, 1263-1268.	0.3	1
193	Measurement of Switching Performance of Pixelated Silicon Sensor Integrated with Field Effect Transistor. <i>Sensors</i> , 2019, 19, 5580.	2.1	1
194	Improved intensities for the $\hat{I}^3$ transitions with $E\hat{I}^3 > 3$ MeV from Pb*208. <i>Physical Review C</i> , 2020, 102, .	1.1	1
195	Observation of $2\pi(1525)$ Production in High Q <sup>2</sup> Two Photon Interactions at TRISTAN. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 2311-2315.	0.7	1
196	Simulation studies for neutron and muon-induced backgrounds in AMoRE-II. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012245.	0.3	1
197	Growth, optical, and luminescence characterization of LiCsMoO <sub>4</sub> crystal. <i>Journal of Crystal Growth</i> , 2022, 580, 126466.	0.7	1
198	Test of A Diamond-Tungsten Sampling Calorimeter. <i>Materials Research Society Symposia Proceedings</i> , 1994, 339, 121.	0.1	0

#	ARTICLE	IF	CITATIONS
199	Measurement of $\hat{I}_{\pm S2}$ using NLLA+O( $\hat{I}_{\pm S2}$ ) in $e+e\hat{a}^{\sim}$ annihilation at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 233-240.	1.5	0
200	An experimental study of the process $e+e\hat{a}^{\sim}\hat{a}^{\sim}e+e\hat{a}^{\sim}\hat{I}_{4+}\hat{I}_{4\hat{a}^{\sim}}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 179-188.	1.5	0
201	Construction and test of a tungsten/Sci-Fi imaging calorimeter for the CREAM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 143-146.	0.7	0
202	CREAM-Pushing the high energy frontier of directly measured cosmic rays. European Physical Journal D, 2006, 56, A301-A312.	0.4	0
203	Approaching the Spectral Knee in High Energy Cosmic Rays with CREAM. Journal of the Physical Society of Japan, 2009, 78, 63-67.	0.7	0
204	BESS-Polar Experiment "Progress and Future Prospect". Journal of the Physical Society of Japan, 2009, 78, 29-34.	0.7	0
205	STATUS AND RECENT RESULTS FROM THE CREAM EXPERIMENT. , 2011, , .		0
206	Background study of NaI(Tl) crystals for the KIMS-Nal experiment. Journal of Physics: Conference Series, 2016, 718, 042001.	0.3	0
207	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.	1.2	0
208	Preparation of Extra-pure Na <sub>2</sub> CO <sub>3</sub> Powder with Crystallization Techniques for Low-Background Scintillation Crystal Growth. Inorganic Materials, 2020, 56, 867-874.	0.2	0
209	Characterization of Silver-Doped LiF Crystal Grown by Czochralski Technique for Dark Matter Search Application. IEEE Transactions on Nuclear Science, 2020, 67, 915-921.	1.2	0
210	Identification of new isomers in $^{228}\text{Ac}$ : impact on dark matter searches. European Physical Journal C, 2021, 81, 1.	1.4	0
211	A FEASIBILITY STUDY FOR DARK MATTER SEARCH USING $\text{CsI}(\text{Tl})$ CRYSTAL. , 2001, , .		0
212	BEAM TEST CALIBRATION OF THE BALLOON-BORNE IMAGING CALORIMETER FOR THE CREAM EXPERIMENT. , 2005, , .		0
213	CHERCAM: a Cherenkov imager for the CREAM experiment. , 2008, , .		0
214	Measurements of the Proton and Helium Spectra from CREAM-V. , 2017, , .		0
215	Charge resolution of the ISS-CREAM SCD measured with a heavy-ion beam. , 2017, , .		0
216	Performance of the BACCUS Transition Radiation Detector. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
217	Measurement of the Cosmic-ray Antiproton spectrum in the range 0.12 to 0.4 GeV with BESS-Polar II. , 2017, , .		0
218	The Cosmic Ray Energetics And Mass for the International Space Station (ISS-CREAM) Instrument. , 2017, , .		0
219	Performance of the ISS-CREAM Calorimeter. , 2017, , .		0
220	Measurement of Cosmic-Ray Nuclei with the Third Flight of the CREAM Balloon-Borne Experiment. , 2017, , .		0
221	Simulation Status of the Top and Bottom Counting Detectors for the ISS-CREAM Experiment. , 2017, , .		0
222	Luminescence and scintillation properties of ZnMo <sub>1-x</sub> W <sub>x</sub> O <sub>4</sub> crystal. Radiation Measurements, 2022, 153, 106744.	0.7	0