

Ryugo Hayano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

523
papers

22,823
citations

76
h-index

134
g-index

559
ext. papers

24,468
ext. citations

3.6
avg, IF

5.34
L-index

#	Paper	IF	Citations
523	Limits on antiproton-nuclei annihilation cross sections at ~ 125 keV. <i>Nuclear Physics A</i> , 2021 , 1009, 122170-3	0.3	6
522	Observation of a K^0 -meson nuclear bound state, observed in $^3\text{He}(K^0)n$ reactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 620-625	4.2	29
521	The modern era of light kaonic atom experiments. <i>Reviews of Modern Physics</i> , 2019 , 91,	40.5	23
520	Measurement of the antiproton-nucleus annihilation cross-section at low energy. <i>Nuclear Physics A</i> , 2018 , 970, 366-378	1.3	14
519	Missing-mass spectroscopy of the $^{12}\text{C}(p,d)$ reaction near the Λ -meson production threshold. <i>Physical Review C</i> , 2018 , 97,	2.7	15
518	Spectroscopy of Pionic Atoms in $^{122}\text{Sn}(d,^3\text{He})$ Reaction and Angular Dependence of the Formation Cross Sections. <i>Physical Review Letters</i> , 2018 , 120, 152505	7.4	10
517	Comparison of the UNSCEAR isodose maps for annual external exposure in Fukushima with those obtained based on airborne monitoring surveys. <i>Journal of Radiological Protection</i> , 2018 , 38, 310-317	1.2	0
516	The kaonic atoms research program at DANIEL: from SIDDHARTA to SIDDHARTA-2. <i>EPJ Web of Conferences</i> , 2018 , 181, 01004	0.3	3
515	Long-lived two-pion Bose-Einstein correlations in $\sqrt{s_{NN}}=200$ GeV Au+Au collisions. <i>Physical Review C</i> , 2018 , 97,	2.7	13
514	Measurement of emission-angle anisotropy via long-range angular correlations with high- p_T hadrons in d+Au and p+p collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2018 , 98,	2.7	3
513	Individual external dose monitoring of all citizens of Date City by passive dosimeter 5 to 51 months after the Fukushima NPP accident (series): 1. Comparison of individual dose with ambient dose rate monitored by aircraft surveys. <i>Journal of Radiological Protection</i> , 2017 , 37, 1-12	1.2	17
512	Investigating the low-energy K^0 interactions in nuclear matter with AMADEUS. <i>Journal of Physics: Conference Series</i> , 2017 , 841, 012023	0.3	
511	Nonperturbative-transverse-momentum effects and evolution in dihadron and direct photon-hadron angular correlations in p+p collisions at $\sqrt{s}=510$ GeV. <i>Physical Review D</i> , 2017 , 95,	4.9	9
510	Measurements of e^+e^- pairs from open heavy flavor in p+p and d+A collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2017 , 96,	2.7	9
509	Cross section and transverse single-spin asymmetry of muons from open heavy-flavor decays in polarized p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2017 , 95,	4.9	11
508	Measurements of $B \rightarrow J/\psi$ at forward rapidity in p+p collisions at $\sqrt{s}=510$ GeV. <i>Physical Review D</i> , 2017 , 95,	4.9	8
507	Beamline Test of a Transition-Edge-Sensor Spectrometer in Preparation for Kaonic-Atom Measurements. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	13

506	B-meson production at forward and backward rapidity in p+p and Cu + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2017 , 96,	2.7	3
505	Individual external dose monitoring of all citizens of Date City by passive dosimeter 5 to 51 months after the Fukushima NPP accident (series): II. Prediction of lifetime additional effective dose and evaluating the effect of decontamination on individual dose. <i>Journal of Radiological Protection</i> , 2017 , 37, 623-634	1.2	8
504	Experimental studies of the kaon-nucleus interaction at low energy with x-ray spectroscopy of kaonic atoms. <i>Journal of Physics: Conference Series</i> , 2017 , 800, 012007	0.3	1
503	Low-energy Kaon--Nuclei Interaction Studies at DAΦΦ NE: SIDDHARTA-2 and AMADEUS. <i>Acta Physica Polonica B</i> , 2017 , 48, 1855	1.9	2
502	An evaluation of early countermeasures to reduce the risk of internal radiation exposure after the Fukushima nuclear incident in Japan. <i>Health Policy and Planning</i> , 2016 , 31, 425-33	3.4	14
501	Precision X-ray spectroscopy of kaonic atoms as a probe of low-energy kaon-nucleus interaction. <i>EPJ Web of Conferences</i> , 2016 , 126, 04045	0.3	4
500	New results of the antiproton-carbon annihilation cross section measurement at low energies. <i>EPJ Web of Conferences</i> , 2016 , 130, 07014	0.3	1
499	Strong interaction studies with kaonic atoms. <i>EPJ Web of Conferences</i> , 2016 , 113, 03009	0.3	0
498	Instrumentation for measurement of in-flight annihilations of 130 keV antiprotons on thin target foils. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 835, 110-118	1.2	13
497	Measurement of higher cumulants of net-charge multiplicity distributions in Au+Au collisions at $\sqrt{s_{NN}}=7.7\sqrt{2}00$ GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	56
496	Dielectron production in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	33
495	Transverse energy production and charged-particle multiplicity at midrapidity in various systems from $\sqrt{s_{NN}}=7.7$ to 200 GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	60
494	Scaling properties of fractional momentum loss of high-pT hadrons in nucleus-nucleus collisions at $\sqrt{s_{NN}}$ from 62.4 GeV to 2.76 TeV. <i>Physical Review C</i> , 2016 , 93,	2.7	13
493	Forward J/ψ production in U + U collisions at $\sqrt{s_{NN}}=193$ GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	5
492	Single electron yields from semileptonic charm and bottom hadron decays in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	18
491	Measurement of the higher-order anisotropic flow coefficients for identified hadrons in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	22
490	Inclusive cross section and double-helicity asymmetry for $\bar{\Delta}$ production at midrapidity in p+p collisions at $\sqrt{s}=510$ GeV. <i>Physical Review D</i> , 2016 , 93,	4.9	27
489	Measurement of parity-violating spin asymmetries in W^- production at midrapidity in longitudinally polarized p+p collisions. <i>Physical Review D</i> , 2016 , 93,	4.9	18

488	Centrality-Dependent Modification of Jet-Production Rates in Deuteron-Gold Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2016 , 116, 122301	7.4	30
487	η meson production in the forward/backward rapidity region in Cu + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	9
486	Measurement of Excitation Spectra in the $^{12}\text{C}(p,d)$ Reaction near the π^0 Emission Threshold. <i>Physical Review Letters</i> , 2016 , 117, 202501	7.4	24
485	Buffer-gas cooling of antiprotonic helium to 1.5 to 1.7 K, and antiproton-to-electron mass ratio. <i>Science</i> , 2016 , 354, 610-614	33.3	61
484	First application of superconducting transition-edge sensor microcalorimeters to hadronic atom X-ray spectroscopy. <i>Progress of Theoretical and Experimental Physics</i> , 2016 , 2016, 091D01	5.4	20
483	Measurements of directed, elliptic, and triangular flow in Cu + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2016 , 94,	2.7	17
482	Azimuthally anisotropic emission of low-momentum direct photons in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2016 , 94,	2.7	44
481	Absolute Energy Calibration of X-ray TESs with 0.04 eV Uncertainty at 6.4 keV in a Hadron-Beam Environment. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 930-937	1.3	28
480	Structure near the $K_{\Lambda} p + p$ threshold in the in-flight $^3\text{He}(K_{\Lambda} p)$ reaction. <i>Progress of Theoretical and Experimental Physics</i> , 2016 , 2016, 051D01	5.4	28
479	Dependence of radiation dose on the behavioral patterns among school children: a retrospective analysis 18 to 20 months following the 2011 Fukushima nuclear incident in Japan. <i>Journal of Radiation Research</i> , 2016 , 57, 1-8	2.4	17
478	Measurement and comparison of individual external doses of high-school students living in Japan, France, Poland and Belarus-the 'D-shuttle' project. <i>Journal of Radiological Protection</i> , 2016 , 36, 49-66	1.2	27
477	Future projects of light kaonic atom X-ray spectroscopy. <i>EPJ Web of Conferences</i> , 2016 , 130, 01018	0.3	
476	SIDDHARTA results and implications of the results on antikaon-nucleon interaction 2016 ,		2
475	Measurement and communication: what worked and what did not in Fukushima. <i>Annals of the ICRP</i> , 2016 , 45, 14-22	2.4	
474	Experimental program of the Super-FRS Collaboration at FAIR and developments of related instrumentation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016 , 376, 111-115	1.2	15
473	K-series X-ray yield measurement of kaonic hydrogen atoms in a gaseous target. <i>Nuclear Physics A</i> , 2016 , 954, 7-16	1.3	9
472	Liquid ^3He target for an experimental search for nuclear anti-kaon bound states in J-PARC. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015 , 305, 883-887	1.5	
471	Search for $\eta(958)$ -nucleus Bound States by $\eta(p,d)$ Reaction at GSI and FAIR. <i>Acta Physica Polonica B</i> , 2015 , 46, 127	1.9	4

470	Search for dark photons from neutral meson decays in p+p and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	36
469	Measurement of Long-Range Angular Correlation and Quadrupole Anisotropy of Pions and (Anti)Protons in Central d+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2015 , 114, 192301	7.4	114
468	Measurement of the Strong Interaction Induced Shift and Width of the $1S$ State of Kaonic Deuterium at J-PARC. <i>Acta Physica Polonica B</i> , 2015 , 46, 101	1.9	11
467	Heavy-quark production and elliptic flow in Au + Au collisions at $\sqrt{s_{NN}}=62.4$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	16
466	Charged-pion cross sections and double-helicity asymmetries in polarized p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2015 , 91,	4.9	7
465	Cross section for $b\bar{b}$ production via dielectrons in d + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	14
464	Measurement of $(1S+2S+3S)$ production in p+p and Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	21
463	Spectroscopy of Λ -nucleus bound states at GSI and FAIR Λ very preliminary results and future prospects <i>Hyperfine Interactions</i> , 2015 , 234, 33-39	0.8	3
462	Method for laser spectroscopy of metastable pionic helium atoms. <i>Hyperfine Interactions</i> , 2015 , 233, 83-87	0.8	1
461	First measurement of the antiproton-nucleus annihilation cross section at 125 keV. <i>Hyperfine Interactions</i> , 2015 , 234, 85-92	0.8	5
460	Engaging with local stakeholders: some lessons from Fukushima for recovery. <i>Annals of the ICRP</i> , 2015 , 44, 144-52	2.4	5
459	Design, development, and initial operation of BabyScan: An in-vivo counter for children around Fukushima. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015 , 784, 610-615	1.2	1
458	Whole-body counter surveys of over 2700 babies and small children in and around Fukushima Prefecture 33 to 49 months after the Fukushima Daiichi NPP accident. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2015 , 91, 440-6	4	24
457	Whole-body counter surveys of Miharuto town school children for four consecutive years after the Fukushima NPP accident. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2015 , 91, 92-8	4	9
456	Systematic study of azimuthal anisotropy in Cu + Cu and Au + Au collisions at $\sqrt{s_{NN}}=62.4$ and 200 GeV. <i>Physical Review C</i> , 2015 , 92,	2.7	14
455	Systematic study of charged-pion and kaon femtoscopy in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2015 , 92,	2.7	12
454	η meson production in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2015 , 92,	2.7	12
453	Centrality dependence of low-momentum direct-photon production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	81

452	Measurements of Elliptic and Triangular Flow in High-Multiplicity $^3\text{He}+\text{Au}$ Collisions at $\sqrt{s}(\text{NN})=200$ GeV. <i>Physical Review Letters</i> , 2015 , 115, 142301	7.4	104
451	Compliance with the proper use of an individual radiation dosimeter among children and the effects of improper use on the measured dose: a retrospective study 18-20 months following Japan's 2011 Fukushima nuclear incident. <i>BMJ Open</i> , 2015 , 5, e009555	3	8
450	Minimal Internal Radiation Exposure in Residents Living South of the Fukushima Daiichi Nuclear Power Plant Disaster. <i>PLoS ONE</i> , 2015 , 10, e0140482	3.7	8
449	Search for the deeply bound K-pp state from the semi-inclusive forward-neutron spectrum in the in-flight K- reaction on helium-3. <i>Progress of Theoretical and Experimental Physics</i> , 2015 , 2015, 61D01-0	5.4	16
448	Comparison between direct measurements and modeled estimates of external radiation exposure among school children 18 to 30 months after the Fukushima nuclear accident in Japan. <i>Environmental Science & Technology</i> , 2015 , 49, 1009-16	10.3	30
447	Inclusive double-helicity asymmetries in neutral-pion and eta-meson production in $p\rightarrow p\rightarrow$ collisions at $s=200$ GeV. <i>Physical Review D</i> , 2014 , 90,	4.9	38
446	Experimental investigation of ≈ 30 keV kinetic energy antiprotons annihilation on nuclei. <i>Hyperfine Interactions</i> , 2014 , 229, 31-36	0.8	1
445	L-series X-ray yields of kaonic ^3He and ^4He atoms in gaseous targets. <i>European Physical Journal A</i> , 2014 , 50, 1	2.5	5
444	The ALPHA antihydrogen trapping apparatus. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 735, 319-340	1.2	44
443	Near-infrared laser spectroscopy of antiprotonic helium atoms. <i>EPJ Web of Conferences</i> , 2014 , 66, 05010.	0.3	
442	Antihydrogen formation mechanisms. <i>EPJ Web of Conferences</i> , 2014 , 66, 05015	0.3	
441	New precision era of experiments on strong interaction with strangeness at DAFNE/LNF-INFN. <i>EPJ Web of Conferences</i> , 2014 , 66, 05016	0.3	
440	Antiproton to electron mass ratio determined by two-photon laser spectroscopy of antiprotonic helium atoms. <i>EPJ Web of Conferences</i> , 2014 , 66, 05020	0.3	
439	Experimental results on antiproton nuclei annihilation cross section at very low energies. <i>EPJ Web of Conferences</i> , 2014 , 66, 09001	0.3	1
438	Unveiling the strangeness secrets: low-energy kaon-nucleon/nuclei interactions studies at DANIE. <i>EPJ Web of Conferences</i> , 2014 , 66, 09004	0.3	2
437	Spectroscopy of Ω^- Mesic Nuclei via Semi-Exclusive Measurement at FAIR. <i>EPJ Web of Conferences</i> , 2014 , 66, 09006	0.3	1
436	A search for the K_{pp} bound state in the $^3\text{He}(K^-\text{in-flight},n)$ reaction at J-PARC. <i>EPJ Web of Conferences</i> , 2014 , 66, 09008	0.3	1
435	The first precision measurement of deeply bound pionic states in ^{121}Sn . <i>EPJ Web of Conferences</i> , 2014 , 66, 09014	0.3	

434	Comprehensive whole-body counter surveys of Miharu-town school children for three consecutive years after the Fukushima NPP accident. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2014 , 90, 211-3	4	8
433	Status and future plan of the spectroscopy of pionic atoms. <i>Journal of Physics: Conference Series</i> , 2014 , 503, 012037	0.3	
432	Beam Diagnostics for Measurements of Antiproton Annihilation Cross Sections at Ultra-low Energy. <i>EPJ Web of Conferences</i> , 2014 , 66, 09020	0.3	
431	X-ray spectroscopy of kaonic atoms at SIDDHARTA. <i>EPJ Web of Conferences</i> , 2014 , 73, 05008	0.3	
430	The yield of kaonic hydrogen X-rays in the SIDDHARTA experiment. <i>EPJ Web of Conferences</i> , 2014 , 66, 09016	0.3	1
429	Missing Mass Spectroscopy of Λ Mesic Nuclei with the (p,d) Reaction at GSI. <i>EPJ Web of Conferences</i> , 2014 , 66, 09019	0.3	
428	Kaonic atoms & studies of the strong interaction with strangeness. <i>EPJ Web of Conferences</i> , 2014 , 81, 01017	0.3	
427	Reduction of high levels of internal radio-contamination by dietary intervention in residents of areas affected by the Fukushima Daiichi nuclear plant disaster: a case series. <i>PLoS ONE</i> , 2014 , 9, e100302	2.7	38
426	Search for the $K\bar{p}$ bound state via the in-flight $^3\text{He}(K\bar{n})$ reaction. <i>EPJ Web of Conferences</i> , 2014 , 81, 02016	0.3	
425	Progress and perspectives in the low-energy kaon-nucleon/nuclei interaction studies at the DAΦNE collider. <i>Journal of Physics: Conference Series</i> , 2014 , 556, 012004	0.3	
424	Search for the $K\bar{p}$ bound state via the $^3\text{He}(K\bar{n})$ reaction at 1 GeV/c. <i>Journal of Physics: Conference Series</i> , 2014 , 569, 012080	0.3	
423	Nuclear matter effects on J/ψ production in asymmetric Cu + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2014 , 90,	2.7	11
422	A Search for Deeply-bound Kaonic Nuclear States by In-flight $^3\text{He}(\bar{K}^-, n)$ Reaction at J-PARC. <i>Acta Physica Polonica B</i> , 2014 , 45, 767	1.9	3
421	Kaonic Atoms --- Results of the SIDDHARTA Experiment. <i>Acta Physica Polonica B</i> , 2014 , 45, 787	1.9	2
420	Heavy-flavor electron-muon correlations in p+p and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2014 , 89,	2.7	14
419	Cross section and transverse single-spin asymmetry of Λ mesons in p+p collisions at $\sqrt{s}=200$ GeV at forward rapidity. <i>Physical Review D</i> , 2014 , 90,	4.9	20
418	Measurement of transverse-single-spin asymmetries for midrapidity and forward-rapidity production of hadrons in polarized p+p collisions at $\sqrt{s}=200$ and 62.4 GeV. <i>Physical Review D</i> , 2014 , 90,	4.9	42
417	Centrality categorization for Rp(d)+A in high-energy collisions. <i>Physical Review C</i> , 2014 , 90,	2.7	47

416	Measurement of K_S^0 and K^{*0} in p+p,d+Au, and Cu + Cu collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2014 , 90,	2.7	17
415	Cold-nuclear-matter effects on heavy-quark production at forward and backward rapidity in d + Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physical Review Letters</i> , 2014 , 112, 252301	7.4	39
414	Transverse-energy distributions at midrapidity in p+p, d+Au, and Au+Au collisions at $\sqrt{s_{NN}}=62.4\text{--}200$ GeV and implications for particle-production models. <i>Physical Review C</i> , 2014 , 89,	2.7	61
413	Low-mass vector-meson production at forward rapidity in p+p collisions at $s=200$ GeV. <i>Physical Review D</i> , 2014 , 90,	4.9	11
412	Decay rates of bare Ag10847+ and H-like Ag10846+ ions. <i>Physical Review C</i> , 2014 , 90,	2.7	1
411	System-size dependence of open-heavy-flavor production in nucleus-nucleus collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2014 , 90,	2.7	10
410	BABYSCAN: a whole body counter for small children in Fukushima. <i>Journal of Radiological Protection</i> , 2014 , 34, 645-53	1.2	13
409	Whole-body counter survey results 4 months after the Fukushima Dai-ichi NPP accident in Minamisoma City, Fukushima. <i>Journal of Radiological Protection</i> , 2014 , 34, 787-99	1.2	20
408	Sub-Doppler Two-Photon Laser Spectroscopy of Antiprotonic Helium and the Antiproton-to-Electron Mass Ratio. <i>Few-Body Systems</i> , 2013 , 54, 917-922	1.6	
407	Kaon-Nucleon Strong Interaction in Kaonic Atoms: The SIDDHARTA Program. <i>Few-Body Systems</i> , 2013 , 54, 1123-1126	1.6	1
406	A Search for Deeply Bound Kaonic Nuclear States at J-PARC. <i>Few-Body Systems</i> , 2013 , 54, 1195-1199	1.6	1
405	Spectroscopy of Σ Mesic Nuclei with (p, d) Reaction. <i>Few-Body Systems</i> , 2013 , 54, 1263-1266	1.6	4
404	First Precision Spectroscopy of Pionic Atoms at RI Beam Factory. <i>Few-Body Systems</i> , 2013 , 54, 1569-1572	1.6	
403	Unlocking the secrets of the kaon-nucleon/nuclei interactions at low-energies: The SIDDHARTA(-2) and the AMADEUS experiments at the DAΦNE collider. <i>Nuclear Physics A</i> , 2013 , 914, 251-259	1.3	16
402	A search for deeply-bound kaonic nuclear state at the J-PARC E15 experiment. <i>Nuclear Physics A</i> , 2013 , 914, 315-320	1.3	8
401	X-ray transition yields of low-Z kaonic atoms produced in Kapton. <i>Nuclear Physics A</i> , 2013 , 916, 30-47	1.3	5
400	Preliminary study of kaonic deuterium X-rays by the SIDDHARTA experiment at DAΦNE. <i>Nuclear Physics A</i> , 2013 , 907, 69-77	1.3	31
399	BigRIPS as a high resolution spectrometer for pionic atoms. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013 , 317, 290-293	1.2	3

398	Experimental apparatus for annihilation cross-section measurements of low energy antiprotons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 711, 12-20	1.2	19
397	Strong-interaction shifts and widths of kaonic helium isotopes. <i>Nuclear Physics A</i> , 2013 , 914, 305-309	1.3	0
396	Weighing the antiproton. <i>Hyperfine Interactions</i> , 2013 , 215, 9-14	0.8	4
395	Microwave spectroscopic study of the hyperfine structure of antiprotonic ³ He. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 125003	1.3	8
394	Observation of the 1154.9 nm transition of antiprotonic helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 245004	1.3	7
393	Azimuthal anisotropy of Δ and Σ mesons in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2013 , 88,	2.7	11
392	Medium modification of jet fragmentation in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV measured in direct photon-hadron correlations. <i>Physical Review Letters</i> , 2013 , 111, 032301	7.4	37
391	Nuclear modification of Δ , Σ , and J/ψ production in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2013 , 111, 202301	7.4	73
390	Inclusive cross section and single transverse spin asymmetry for very forward neutron production in polarized p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2013 , 88,	4.9	20
389	Direct photon production in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2013 , 87,	2.7	30
388	Double-spin asymmetry of electrons from heavy-flavor decays in p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2013 , 87,	4.9	7
387	Quadrupole anisotropy in dihadron azimuthal correlations in central d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2013 , 111, 212301	7.4	196
386	Transverse-momentum dependence of the J/ψ nuclear modification in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2013 , 87,	2.7	55
385	Spectra and ratios of identified particles in Au+Au and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2013 , 88,	2.7	85
384	$(1S+2S+3S)$ production in d+Au and p+p collisions at $\sqrt{s_{NN}}=200$ GeV and cold-nuclear-matter effects. <i>Physical Review C</i> , 2013 , 87,	2.7	18
383	Neutral pion production with respect to centrality and reaction plane in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2013 , 87,	2.7	78
382	Correction for Yasunari et al., Cesium-137 deposition and contamination of Japanese soils due to the Fukushima nuclear accident. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7525-7528	11.5	6
381	Internal radiocesium contamination of adults and children in Fukushima 7 to 20 months after the Fukushima NPP accident as measured by extensive whole-body-counter surveys. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2013 , 89, 157-63	4	95

380	Estimation of the total population moving into and out of the 20 km evacuation zone during the Fukushima NPP accident as calculated using "Auto-GPS" mobile phone data. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2013 , 89, 196-9	4	20
379	Measurement of internal radiation exposure among decontamination workers in villages near the crippled Fukushima Daiichi Nuclear Power Plant. <i>Health Physics</i> , 2013 , 105, 379-81	2.3	14
378	Limited internal radiation exposure associated with resettlements to a radiation-contaminated homeland after the Fukushima Daiichi nuclear disaster. <i>PLoS ONE</i> , 2013 , 8, e81909	3.7	47
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