

K Y Chae

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

1,578
citations

331670

21
h-index

315739

38
g-index

119
all docs

119
docs citations

119
times ranked

1144
citing authors

#	ARTICLE	IF	CITATIONS
19	Experimental Study on the ${}^7\text{Be}((n,p)){}^7\text{Li}$ and the ${}^7\text{Be}((n,\alpha)){}^4\text{He}$ Reactions for Cosmological Lithium Problem. , 2020, , .		2
20	Nuclear Breakup and Coulomb Dissociation of ${}^9\text{C}$ Nucleus Studied at RIBF RIKEN. , 2020, , .		2
21	Determination of beta-delayed neutron emission probability limits of rhodium isotopes by gamma-ray spectroscopy. Journal of Physics: Conference Series, 2020, 1643, 012208.	0.4	0
22	Studies on Nuclear Astrophysics and Nuclear Clustering with Low-energy RI Beams at CRIB. , 2020, , .		0
23	Proton Decay of ${}^{21}\text{Na}$ for ${}^{20}\text{Ne}$ Energy Levels. Journal of the Korean Physical Society, 2020, 77, 383-387.	0.7	0
24	Direct neutron capture cross section on ${}^{80}\text{Ge}$ and probing shape coexistence in neutron-rich nuclei. Physical Review C, 2019, 100, .	2.9	5
25	Commissioning of a portable ionization chamber at high counting rate using heavy ion beams. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 579-584.	1.5	1
26	Investigation of the synthesis of the unknown superheavy nuclei 309,312126. International Journal of Modern Physics E, 2019, 28, 1950056.	1.0	8
27	MITA: A Multilayer Ionization-chamber Telescope Array for low-energy reactions with exotic nuclei. European Physical Journal A, 2019, 55, 1.	2.5	12
28	Proton Shell Evolution below ${}^{132}\text{Sn}$: First Measurement of Low-Lying ${}^{132}\text{Sn}$ -Emitting Isomers in	7.8	17
29	Study of the ${}^9\text{C}$ breakup through NP1412-SAMURAI29R1 experiment. AIP Conference Proceedings, 2019, , .	0.4	4
30	Informing direct neutron capture on tin isotopes near the $N=82$ shell closure. Physical Review C, 2019, 99, .	2.9	10
31	Key ${}^{19}\text{Ne}$ States Identified Affecting $\hat{\gamma}^3$ -Ray Emission from F18 in Novae. Physical Review Letters, 2019, 122, 052701.	7.8	9
32	Using ${}^{19}\text{F}({}^3\text{He},t){}^{19}\text{Ne}^*(\hat{\gamma}^3)$ to study astrophysically important levels near the ${}^{18}\text{F}+p$ threshold. AIP Conference Proceedings, 2019, , .	0.4	1
33	A Simulation Study and Its Experimental Validation for the Detection of Neutrons with a Continuous Energy Spectrum by Using a MICROMEAS Detector. Journal of the Korean Physical Society, 2019, 75, 775-784.	0.7	1
34	Heating factors of gas targets for radioactive ion beam production. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 33-38.	1.5	0
35	Measurements of the neutron-induced reactions on ${}^7\text{Be}$ with CRIB by the Trojan Horse method. AIP Conference Proceedings, 2018, , .	0.4	4
36	Study of the ${}^2\text{H}({}^7\text{Be},p+{}^3\text{He}+{}^4\text{He})n$ Reaction for Resonances in ${}^8\text{B}$. Journal of the Korean Physical Society, 2018, 73, 1049-1054.	0.7	0

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37	Impact of the $26\text{Al}(p, \hat{1}^3)$ reaction to galactic 26Al yield. AIP Conference Proceedings, 2018, , .	0.4	1
38	Study of $\hat{1}^\pm$ -cluster Structure in 22Mg Using a Radioactive Ion Beam. Journal of the Korean Physical Society, 2018, 73, 1055-1060.	0.7	0
39	Indirect studies on astrophysical reactions at the low-energy RI beam separator CRIB. AIP Conference Proceedings, 2018, , .	0.4	0
40	A Design and its Validation of a Proton Recoil Telescope with a Silicon Detector for Measurements of Fast Neutrons. Journal of the Korean Physical Society, 2018, 73, 271-277.	0.7	0
41	Decay Half-Lives of Neutron-Rich ^{94}Zr and ^{95}Zr Isotopes. Physical Review Letters, 2017, 118, 152501.	2.9	68
42	Spectroscopic study of the radionuclide ^{21}Na for the astrophysical $^{17}\text{F}(\hat{1}^\pm, p)^{20}\text{Ne}$ reaction rate. Physical Review C, 2017, 96, .	2.9	4
43	First spin-parity constraint of the 306 keV resonance in ^{35}Cl for nova nucleosynthesis. Physical Review C, 2017, 95, .	2.9	1
44	Multi-electrode ionization chamber energy loss calculator (MICE). Journal of the Korean Physical Society, 2017, 70, 912-917.	0.7	0
45	Measuring one nucleon transfer reaction $^{24}\text{Mg}(p, d)^{23}\text{Mg}$ for astrophysical reaction rates. Journal of the Korean Physical Society, 2017, 71, 758-763.	0.7	0
46	X-ray Burst Studies with the JENSA Gas Jet Target. , 2017, , .		1
47	Study on $\hat{1}^\pm$ -cluster levels in non- $4n$ nuclei using low-energy RI beams. Journal of Physics: Conference Series, 2017, 863, 012025.	0.4	0
48	Transfer Reactions with ^{134}Xe . , 2017, , .		0
49	Proton-hole and core-excited states in the semi-magic nucleus ^{131}In . European Physical Journal A, 2016, 52, 1.	2.5	9
50	Construction and commissioning of a position-sensitive ionization chamber. Journal of the Korean Physical Society, 2016, 68, 1165-1169.	0.7	2
51	Visualized kinematics code for two-body nuclear reactions. Journal of the Korean Physical Society, 2016, 68, 1055-1059.	0.7	1
52	Revision and extension of the level scheme of ^{130}Cd . Physical Review Letters, 2016, 116, 152501.	2.9	17
53	Structure of ^{107}Sn studied through single-neutron knockout reactions. Physical Review C, 2016, 93, .	2.9	9
54	Effects of Rare Isotope Reaction Rates on the Light Curve of an X-ray Burst. New Physics: Sae Mulli, 2016, 66, 1524-1529.	0.1	0

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73	Reactions of a ^{10}Be beam on proton and deuteron targets. Physical Review C, 2013, 88, .	2.9	36
74	Single-neutron levels near the N=82 shell closure. , 2013, , .		0
75	HRIBF studies of r-process nuclei and first results with the new SuperORRUBA detector. , 2013, , .		0
76	Shape evolution in $^{116,118}\text{Ru}$: Triaxiality and transition between the O(6) and U(5) dynamical symmetries. Physical Review C, 2013, 88, .	2.9	21
77	PROBING SINGLE-NEUTRON LEVELS IN $^{127,129}\text{Sn}$ VIA TRANSFER REACTIONS. , 2013, , .		1
78	^{19}Ne levels studied with the $^{18}\text{F}(d,n)^{19}\text{Ne}^*(18\text{F}+p)$ reaction. Physical Review C, 2012, 85, .	2.9	14
79	Neutron Single Particle Structure in ^{131}Sn and Direct Neutron Capture Cross Sections. Physical Review Letters, 2012, 109, 172501.	7.8	58
80	^{26}Al +pelastic and inelastic scattering reactions and galactic abundances of ^{26}Al . Physical Review C, 2012, 85, .	2.9	4
81			

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91	alignments to excited states in ^{22}Na through ^{22}Mg	2.9	7
92	Inelastic $^{17}\text{F}(p,p)^{17}\text{F}$ scattering at $E_c.m.=3\text{ MeV}$ and the $^{14}\text{O}(\hat{1},p)^{17}\text{F}$ reaction rate. Physical Review C, 2010, 81, .	2.9	5
93			

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109	DEVELOPMENT OF ORRUBA: A SILICON ARRAY FOR THE MEASUREMENT OF TRANSFER REACTIONS IN INVERSE KINEMATICS. , 2008, , .		3
110	Measurement of the 183 keV resonance in $^{17}\text{O}(p,\hat{1}\pm)^{14}\text{N}$ using a novel technique. Physical Review C, 2007, 75, .	2.9	27
111	Computational Infrastructure for Nuclear Astrophysics. AIP Conference Proceedings, 2006, , .	0.4	4
112	Astrophysically important ^{26}Si states studied with the $^{28}\text{Si}(p,t)^{26}\text{Si}$ reaction. II. Spin of the 5.914-MeV ^{26}Si level and galactic ^{26}Al production. Physical Review C, 2006, 74, .	2.9	38
113	First experimental constraints on the interference of ^{32}S resonances in the $^{18}\text{F}(p,\hat{1}\pm)^{15}\text{O}$ reaction. Physical Review C, 2006, 74, .	2.9	29
114	A New Computational Infrastructure For Nuclear Astrophysics. Nuclear Physics A, 2005, 758, 174-177.	1.5	1
115	New Evaluations and Computational Infrastructure for Management and Visualization of Nuclear Astrophysics Data. AIP Conference Proceedings, 2005, , .	0.4	0
116	Nuclear data on unstable nuclei for astrophysics. Nuclear Physics A, 2004, 746, 569-572.	1.5	1
117	MRTOF-S: a toolkit for pre-estimating precise mass measurements using MRTOF spectrometer. Journal of the Korean Physical Society, 0, , 1.	0.7	0