

Xiang-Zhou Cai

List of Publications by Year in descending order

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192
papers

8,552
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87888

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all docs

193
docs citations

193
times ranked

6192
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical challenges in the search for the quark-gluon plasma: The STAR Collaboration's critical assessment of the evidence from RHIC collisions. Nuclear Physics A, 2005, 757, 1-10. Systematic measurements of identified particle spectra in $\sqrt{s_{NN}} = 200$ GeV Au+Au collisions. Physical Review Letters, 2005, 95, 152301.	1.5	2,780
2	Systematic measurements of identified particle spectra in $\sqrt{s_{NN}} = 200$ GeV Au+Au collisions. Physical Review Letters, 2005, 95, 152301.	2.9	714
3	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
4	Transverse Momentum and Centrality Dependence of High-pT Nonphotonic Electron Suppression in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2007, 98, 192301.	7.8	379
5	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
6	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, . Partonic Flow and $\langle v_2 \rangle$ -Meson Production in $\sqrt{s_{NN}} = 200$ GeV Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2008, 101, 222001.	2.9	220
7	Partonic Flow and $\langle v_2 \rangle$ -Meson Production in $\sqrt{s_{NN}} = 200$ GeV Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2008, 101, 222001.	7.8	181
8	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	27.8	154
9	Longitudinal Double-Spin Asymmetry and Cross Section for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2006, 97, 252001.	7.8	141
10	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2004, 92, 182301. Forward Neutral Pion Transverse Single-Spin Asymmetries in $\sqrt{s_{NN}} = 200$ GeV Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2008, 101, 222001.	7.8	140
11	Forward Neutral Pion Transverse Single-Spin Asymmetries in $\sqrt{s_{NN}} = 200$ GeV Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2008, 101, 222001.	7.8	138
12	In-medium nucleon-nucleon cross section and its effect on total nuclear reaction cross section. Physical Review C, 1998, 58, 572-575.	2.9	104
13	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
14	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	7.8	91
15	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
16	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2008, 100, 232003.	7.8	89
17	Observation of an Energy-Dependent Difference in Elliptic Flow between Particles and Antiparticles in Relativistic Heavy Ion Collisions. Physical Review Letters, 2013, 110, 142301.	7.8	89
18	Measurement of reaction cross section for proton-rich nuclei ($A < 30$) at intermediate energies. Nuclear Physics A, 2002, 707, 303-324.	1.5	87

#	ARTICLE	IF	CITATIONS
19	Strange and multistrange particle production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2010, 105, 202301.	4.1	86
20	Measurement of the Bottom Quark Contribution to Nonphotonic Electron Production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2010, 105, 202301.	4.1	80
21	Measurement of the Bottom Quark Contribution to Nonphotonic Electron Production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2010, 105, 202301.	7.8	79
22	Validation of techniques to mitigate copper surface contamination in CUORE. Astroparticle Physics, 2013, 45, 13-22.	7.8	68
23	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	4.3	66
24	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	4.3	62
25	Unified description of nuclear stopping in central heavy-ion collisions from 10 to 200 GeV. Physical Review C, 2011, 84, 014907.	2.9	60
26	Unified description of nuclear stopping in central heavy-ion collisions from 10 to 200 GeV. Physical Review C, 2011, 84, 014907.	2.9	56
27	Charged and strange hadron elliptic flow in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2011, 84, 014907.	2.9	55
28	Charged and strange hadron elliptic flow in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2011, 84, 014907.	2.9	55
29	Optimization of temperature coefficient and breeding ratio for a graphite-moderated molten salt reactor. Nuclear Engineering and Design, 2015, 281, 114-120.	7.8	53
30	Optimization of temperature coefficient and breeding ratio for a graphite-moderated molten salt reactor. Nuclear Engineering and Design, 2015, 281, 114-120.	1.7	49
31	Analysis of minor actinides transmutation for a Molten Salt Fast Reactor. Annals of Nuclear Energy, 2015, 85, 597-604.	1.8	46
32	Balance functions from Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2011, 84, 014907.	2.9	45
33	Minor actinide incineration and Th-U breeding in a small FLiNaK Molten Salt Fast Reactor. Annals of Nuclear Energy, 2017, 99, 335-344.	4.7	45
34	Minor actinide incineration and Th-U breeding in a small FLiNaK Molten Salt Fast Reactor. Annals of Nuclear Energy, 2017, 99, 335-344.	1.8	45
35	Beam-energy and system-size dependence of dynamical net charge fluctuations. Physical Review C, 2009, 79, 014907.	2.9	44
36	Measurement of Transverse Single-Spin Asymmetries for Dijet Production in Proton-Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2007, 99, 142003.	7.8	41

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37	Observation of Two-Source Interference in the Photoproduction Reaction $AuAu \rightarrow \pi^+ AuAu$. Physical Review Letters, 2009, 102, 112301.	7.8	38
38	Different mechanism of two-proton emission from proton-rich nuclei ^{23}Al and ^{22}Mg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 306-309.	4.1	38
39	Possible scenarios for the transition to thorium fuel cycle in molten salt reactor by using enriched uranium. Progress in Nuclear Energy, 2018, 104, 75-84.	2.9	36
40	Directed Flow of Identified Particles in $Au+Au$ Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 108, 202301.	7.8	34
41	The energy dependence of p-t correlations inferred from mean-p fluctuation scale dependence in heavy ion collisions at the SPS and RHIC. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 451-465.	3.6	33
42	Examining the exotic structure of the proton-rich nucleus ^{23}Al . Physical Review C, 2007, 76, .	2.9	32
43	Some Physical Issues of the Thorium Molten Salt Reactor Nuclear Energy System. Nuclear Physics News, 2014, 24, 24-30.	0.4	32
44	Analysis of thorium and uranium based nuclear fuel options in Fluoride salt-cooled High-temperature Reactor. Progress in Nuclear Energy, 2015, 78, 285-290.	2.9	32
45	Evolution of the differential transverse momentum correlation function with centrality in $Au + Au$ collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	4.1	29
46	RMF calculation and phenomenological formulas for the rms radii of light nuclei. Nuclear Physics A, 2001, 691, 618-630.	1.5	27
47	A high intensity beam line of γ -rays up to 22MeV energy based on Compton backscattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 457-462.	1.6	27
48	Systematic study of isoscaling behavior in projectile fragmentation by the statistical abrasion-ablation model. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2173-2181.	3.6	25
49	Transition toward thorium fuel cycle in a molten salt reactor by using plutonium. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	25
50	ISOSPIN EFFECT AND ISOSCALING PHENOMENON IN PROJECTILE FRAGMENTATION. International Journal of Modern Physics E, 2008, 17, 1669-1680.	1.0	24
51	Influence of statistical sequential decay on isoscaling and symmetry energy coefficient in a gemini simulation. Physical Review C, 2011, 84, .	2.9	24
52	Proton-proton correlations in distinguishing the two-proton emission mechanism of ^{23}Al and ^{22}Mg . Physical Review C, 2016, 94, .	2.9	24
53	Thorium utilization in a small modular molten salt reactor with progressive fuel cycle modes. International Journal of Energy Research, 2019, 43, 3628-3639.	4.5	24
54	Development of a Molten Salt Reactor specific depletion code MODEC. Annals of Nuclear Energy, 2019, 124, 88-97.	1.8	24

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55	X-ray generation from slanting laser Compton scattering for future energy-tunable Shanghai Laser Electron Gamma Source. <i>Applied Physics B: Lasers and Optics</i> , 2010, 101, 761-771.	2.2	23
56	Neutron/proton ratio of nucleon emissions as a probe of neutron skin. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 682, 396-400.	4.1	23
57	Hindered Proton Collectivity in $^{1216}28$: Possible Magic Number at $Z=16$. <i>Physical Review Letters</i> , 2012, 108, 222501.	7.8	23
58	Isospin effect in statistical sequential decay. <i>Physical Review C</i> , 2007, 76, .	2.9	21
59	A possible experimental observable for the determination of neutron skin thickness. <i>Chinese Physics B</i> , 2008, 17, 1216-1222.	1.4	21
60	Strangelet search in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2007, 76, .	2.9	19
61	Scaling of anisotropy flows in intermediate energy heavy ion collisions. <i>Nuclear Physics A</i> , 2007, 787, 611-618.	1.5	19
62	A novel concept for a molten salt reactor moderated by heavy water. <i>Annals of Nuclear Energy</i> , 2019, 132, 391-403.	1.8	19
63	Nucleon-nucleon momentum-correlation function as a probe of the density distribution of valence neutrons in neutron-rich nuclei. <i>Physical Review C</i> , 2012, 86, .	2.9	18
64	Roles of deformation and orientation in heavy-ion collisions induced by light deformed nuclei at intermediate energy. <i>Physical Review C</i> , 2010, 81, .	2.9	17
65	Neutron removal cross section as a measure of neutron skin. <i>Physical Review C</i> , 2010, 81, .	2.9	15
66	Two-particle correlations on transverse momentum and momentum dissipation in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 799-816.	3.6	14
67	Scaling of anisotropic flows and nuclear equation of state in intermediate energy heavy ion collisions. <i>Chinese Physics B</i> , 2007, 16, 2676-2682.	1.3	14
68	Flow effect on ^{135}I and ^{135}Xe evolution behavior in a molten salt reactor. <i>Nuclear Engineering and Design</i> , 2017, 314, 318-325.	1.7	14
69	Analysis of Th-U breeding capability for an accelerator-driven subcritical molten salt reactor. <i>Nuclear Science and Techniques/Hewuli</i> , 2018, 29, 1.	3.4	14
70	Transition to thorium fuel cycle in a small modular molten salt reactor based on a batch reprocessing mode. <i>Annals of Nuclear Energy</i> , 2020, 138, 107163.	1.8	14
71	Transmutation of ^{129}I in a single-fluid double-zone thorium molten salt reactor. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1.	3.4	14
72	A new study for ^{16}O at the energies of nuclear astrophysics interest: The inverse of key nucleosynthesis reaction 12. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 581, 866-873.	1.6	13

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73	A laser-Compton scattering prototype experiment at 100 MeV linac of Shanghai Institute of Applied Physics. Review of Scientific Instruments, 2010, 81, 013304.	1.3	13
74	Center of mass energy and system-size dependence of photon production at forward rapidity at RHIC. Nuclear Physics A, 2010, 832, 134-147.	1.5	12
75	Computational Fluid Dynamics Analysis of a Fluoride Salt-Cooled Pebble-Bed Test Reactor. Nuclear Science and Engineering, 2014, 178, 86-102.	1.1	12
76	Sensitivity/uncertainty comparison and similarity analysis between TMSR-LF1 and MSR models. Progress in Nuclear Energy, 2020, 122, 103289.	2.9	12
77	Isospin Effects of Critical Behavior in Lattice Gas Model. Chinese Physics Letters, 1999, 16, 256-258.	3.3	11
78	Systematic studies of binding energy dependence of neutron-proton momentum correlation function. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, 2019-2026.	3.6	11
79	Energy dependence of directed flow in Au+Au collisions from a multiphase transport model. Physical Review C, 2010, 81, .	2.9	11
80	The investigation of thermal neutron scattering data for molten salt Flibe. Journal of Nuclear Science and Technology, 2013, 50, 682-688.	1.3	11
81	Effects of fuel salt composition on fuel salt temperature coefficient (FSTC) for an under-moderated molten salt reactor (MSR). Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	11
82	Core and blanket thermal-hydraulic analysis of a molten salt fast reactor based on coupling of OpenMC and OpenFOAM. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	11
83	Sustainable supply of ^{99}Mo source in a 2MW molten salt reactor using low-enriched uranium. Applied Radiation and Isotopes, 2020, 160, 109134.	1.5	10
84	Production of K_0 , ϕ , $\hat{1}$ and $\hat{2}$ from 200 GeV d+Au collisions at RHIC. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1015-S1018.	3.6	9
85	Longitudinal broadening of near-side jets due to parton cascade. European Physical Journal C, 2008, 57, 589-593.	3.9	9
86	Influence of ^{235}U enrichment on the moderator temperature coefficient of reactivity in a graphite-moderated molten salt reactor. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	9
87	Development of a dynamics model for graphite-moderated channel-type molten salt reactor. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	9
88	Evaluation of ^{99}Mo production in a small modular thorium based molten salt reactor. Progress in Nuclear Energy, 2020, 124, 103337.	2.9	9
89	Detector Calibration by Monte Carlo Simulation Based on the Energy-Range Relationship of Energetic Ions. Chinese Physics Letters, 1999, 16, 15-17.	3.3	8
90	Directed and elliptic flows in heavy ion collisions at intermediate energies. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 2397-2408.	3.6	8

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91	Investigations on light proton-rich nuclei with exotic structure. Nuclear Physics A, 2003, 722, C518-C522.	1.5	8
92	Transmutation of nuclear wastes using photonuclear reactions triggered by Compton backscattering photons at the Shanghai laser electron gamma source. Chinese Physics C, 2008, 32, 677-680.	3.7	8
93	A potential photo-transmutation of fission products triggered by Compton backscattering photons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 599, 118-123.	1.6	8
94	Investigation of thermal neutron scattering data for BeF ₂ and LiF crystals. Journal of Nuclear Science and Technology, 2013, 50, 419-424.	1.3	8
95	Breed-and-burn strategy in a fast reactor with optimized starter fuel. Progress in Nuclear Energy, 2015, 85, 11-16.	2.9	8
96	Experimental investigation of the bed structure in liquid salt cooled pebble bed reactor. Nuclear Engineering and Design, 2018, 331, 24-31.	1.7	8
97	Density and Symmetric Potential Dependences of Isoscaling Behaviour in the Lattice Gas Model. Chinese Physics Letters, 2008, 25, 2000-2003.	3.3	7
98	The Laplace transform method for solving the burnup equation with external feed. Annals of Nuclear Energy, 2019, 130, 47-53.	1.8	7
99	Preliminary analysis of fuel cycle performance for a small modular heavy water-moderated thorium molten salt reactor. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	7
100	Nuclear non-proliferation review and improving proliferation resistance assessment in the future. International Journal of Energy Research, 2021, 45, 11399-11422.	4.5	7
101	A new structure design to extend graphite assembly lifespan in small modular molten salt reactors. International Journal of Energy Research, 2021, 45, 12247-12257.	4.5	7
102	Nucleon-nucleon momentum correlation function for light nuclei. Nuclear Physics A, 2007, 790, 299c-302c.	1.5	6
103	An X-ray source based on Compton backscattering of laser and 100MeV electrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 1184-1190.	1.6	6
104	DYNAMICAL AND SEQUENTIAL DECAY EFFECTS ON ISOSCALING AND DENSITY DEPENDENCE OF THE SYMMETRY ENERGY. International Journal of Modern Physics E, 2008, 17, 1705-1719.	1.0	6
105	Pore Scale Thermal Hydraulics Investigations of Molten Salt Cooled Pebble Bed High Temperature Reactor with BCC and FCC Configurations. Science and Technology of Nuclear Installations, 2014, 2014, 1-16.	0.8	6
106	Benchmarking of ²³² Th evaluation by a 14.8 MeV neutron leakage spectra experiment with slab samples. Annals of Nuclear Energy, 2016, 96, 181-186.	1.8	6
107	The packing factor of the pebble bed in molten salt reactor. Annals of Nuclear Energy, 2018, 122, 118-124.	1.8	6
108	Fuel pebble optimization for the thorium-fueled Pebble Bed Fluoride salt-cooled high-temperature reactor (PB-TFHR). Progress in Nuclear Energy, 2018, 108, 179-187.	2.9	6

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109	Experimental study on the vibration behavior of the pebble bed in PB-FHR. <i>Annals of Nuclear Energy</i> , 2020, 139, 107193.	1.8	6
110	Transmutation of ¹³⁵ Cs in a single-fluid double-zone thorium molten salt reactor. <i>International Journal of Energy Research</i> , 2021, 45, 12203-12214.	4.5	6
111	Parametric study on minor actinides transmutation in a graphite-moderated thorium-based molten salt reactors. <i>International Journal of Energy Research</i> , 2021, 45, 7840-7850.	4.5	6
112	$\hat{\Gamma}$ -scaling and heat capacity in relativistic ion collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005, 31, S1179-S1182.	3.6	5
113	Investigation on the deformation of Ne and Mg isotope chains within relativistic mean-field model. <i>Chinese Physics B</i> , 2005, 14, 2444-2450.	1.3	5
114	Viscosity and dilepton production of a chemically equilibrating quark-gluon plasma at finite baryon density. <i>Physical Review C</i> , 2009, 80, .	2.9	5
115	Isospin and symmetry energy study in nuclear EOS. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 141-148.	5.1	5
116	¹⁴⁹ Sm evolution behavior in a small modular molten salt reactor. <i>Annals of Nuclear Energy</i> , 2018, 120, 100-107.	1.8	5
117	Monte Carlo burnup code development based on multi-group cross section method. <i>Progress in Nuclear Energy</i> , 2019, 110, 24-29.	2.9	5
118	Ameliorating the positive temperature feedback coefficient for an MSR fueled with transuranic elements. <i>Annals of Nuclear Energy</i> , 2021, 160, 108325.	1.8	5
119	Study of natural uranium utilization in a heavy water moderated molten salt reactor. <i>Progress in Nuclear Energy</i> , 2022, 146, 104144.	2.9	5
120	Statistical nature of cluster emission in nuclear liquid-vapour phase coexistence. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, 13-26.	3.6	4
121	Measurements on diproton emission from the break-up channels of ²³ Al and ²² Mg. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 18-23.	5.1	4
122	Measurement of the longitudinal momentum distribution of ³⁰ S after one-proton removal from ³¹ Cl. <i>Physical Review C</i> , 2011, 84, .	2.9	4
123	Hypertriton and light nuclei production at $\hat{\Gamma}$ -production subthreshold energy in heavy-ion collisions. <i>Chinese Physics C</i> , 2011, 35, 741-746.	3.7	4
124	Startup and burnup strategy for ^U / _U ^{Pu} fuel cycles in an EM2 reactor. <i>Progress in Nuclear Energy</i> , 2015, 85, 764-770.	2.9	4
125	Neutron excess method for performance assessment of thorium-based fuel in a breed-and-burn reactor with various coolants. <i>Nuclear Science and Techniques/Hewuli</i> , 2016, 27, 1.	3.4	4
126	Dancoff factor analysis for pebble bed fluoride salt cooled high temperature reactor. <i>Progress in Nuclear Energy</i> , 2016, 88, 332-339.	2.9	4

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127	Measurements of the total cross section of nat Be with thermal neutrons from a photo-neutron source. Nuclear Instruments & Methods in Physics Research B, 2017, 410, 158-163.	1.4	4
128	The feasibility research of thorium breeding using fluoride salt as a fast reactor coolant. Progress in Nuclear Energy, 2017, 101, 199-208.	2.9	4
129	Th-U breeding performance in a Channel-type molten salt Fast reactor with different starting fuels. Annals of Nuclear Energy, 2018, 122, 91-100.	1.8	4
130	Supply of I-131 in a 2ÂMW molten salt reactor with different production methods. Applied Radiation and Isotopes, 2020, 166, 109350.	1.5	4
131	The conceptual design of thorium-based molten salt energy amplifier. International Journal of Energy Research, 2021, 45, 12059-12070.	4.5	4
132	Analysis of producing 238Pu as a byproduct in an MSFR. Annals of Nuclear Energy, 2021, 154, 108104.	1.8	4
133	Neutron time-of-flight spectroscopy measurement using a waveform digitizer. Chinese Physics C, 2016, 40, 056202.	3.7	4
134	Study of incident energy and isospin dependencies of total reaction cross section via the BUU model. Nuclear Physics A, 2003, 717, 117-126.	1.5	3
135	Isoscaling in projectile fragmentation reaction induced by 40,48Ca and 58,64Ni. Nuclear Physics A, 2010, 834, 584c-586c.	1.5	3
136	MEASUREMENT OF TWO-PROTON CORRELATION FROM THE BREAK-UP OF ^{23}Al . International Journal of Modern Physics E, 2010, 19, 957-964.	1.0	3
137	EXPERIMENTAL INVESTIGATION OF THE STELLAR REACTION $^{30}\text{S}(p,^{13})^{31}\text{Cl}$ VIA COULOMB DISSOCIATION. Modern Physics Letters A, 2010, 25, 1763-1766.	1.2	3
138	System-size scan of dihadron azimuthal correlations in ultra-relativistic heavy ion collisions. Nuclear Physics A, 2011, 860, 76-83.	1.5	3
139	A new probe of neutron skin thickness. Chinese Physics C, 2011, 35, 555-560.	3.7	3
140	Effects of Neutron Skin Thickness in Peripheral Nuclear Reactions. Chinese Physics Letters, 2011, 28, 102102.	3.3	3
141	Development of a Coupled Code for Steady-State Analysis of the Graphite-Moderated Channel Type Molten Salt Reactor. Science and Technology of Nuclear Installations, 2018, 2018, 1-10.	0.8	3
142	Study on background shielding for a compact photoneutron source. Progress in Nuclear Energy, 2019, 115, 74-79.	2.9	3
143	Development of a steady state analysis code for molten salt reactor based on nodal expansion method. Annals of Nuclear Energy, 2021, 151, 107950.	1.8	3
144	Influences of reprocessing separation efficiency on the fuel cycle performances for a Heavy Water moderated Molten Salt Reactor. Nuclear Engineering and Design, 2021, 380, 111311.	1.7	3

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145	Transition to thorium fuel cycle on a heavy water moderated molten salt reactor by using low enrichment uranium. <i>Annals of Nuclear Energy</i> , 2022, 165, 108638.	1.8	3
146	Assessment of TRU burning in a molten salt reactor moderated by zirconium hydride rods. <i>Nuclear Engineering and Design</i> , 2022, 387, 111586.	1.7	3
147	Behavior and distribution of nuclides in the fluoride volatility process of uranium containing molten salt fuel. <i>Journal of Fluorine Chemistry</i> , 2022, 261-262, 110016.	1.7	3
148	Phenomenological Scaling of Rapidity Dependence for Anisotropic Flows in 25 MeV/nucleon Ca+Ca by Quantum Molecular Dynamics Model. <i>Chinese Physics Letters</i> , 2007, 24, 3388-3391.	3.3	2
149	Partonic effect on anisotropic flows of Λ baryon for Au+Au at 62.4 and 200 GeV/c. <i>European Physical Journal C</i> , 2008, 55, 463-467.	3.9	2
150	NUCLEAR HALO AND ITS SCALING LAWS IN THE EXCITED STATES OF NUCLEI NEAR THE β^2 -STABILITY LINE. <i>International Journal of Modern Physics E</i> , 2008, 17, 50-65.	1.0	2
151	ANISOTROPIC FLOWS OF NUCLEAR CLUSTERS AND HARD PHOTONS IN INTERMEDIATE ENERGY HEAVY ION COLLISIONS. <i>International Journal of Modern Physics E</i> , 2008, 17, 1850-1864.	1.0	2
152	MEASUREMENT OF THE PROTON-PROTON CORRELATION FUNCTION FROM THE BREAK-UP OF ^{22}Mg AND ^{20}Ne . <i>International Journal of Modern Physics E</i> , 2010, 19, 1823-1828.	1.0	2
153	Development and application of optimal burnup estimation methodology for pebble bed reactor. <i>Annals of Nuclear Energy</i> , 2018, 117, 343-349.	1.8	2
154	Breeding Properties Study on High-Power Thorium Molten Salt Reactor. <i>Journal of Nuclear Engineering and Radiation Science</i> , 2019, 5, .	0.4	2
155	Three dimensional steady-state neutronics/thermal-hydraulics coupled simulation for a molten salt reactor moderated by zirconium hydride rods. <i>International Journal of Energy Research</i> , 2021, 45, 12358-12382.	4.5	2
156	Ex-core transition to thorium cycle in a small modular heavy-water moderated molten salt reactor with unchanged concentration of heavy metal nuclides in the fuel salt. <i>International Journal of Energy Research</i> , 2021, 45, 12383-12395.	4.5	2
157	Potential of transuranics transmutation in a thorium-based chloride salt fast reactor. <i>International Journal of Energy Research</i> , 0, , .	4.5	2
158	Isospin effect on particle emission in nuclear dissociation. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1999, 25, 1559-1570.	3.6	1
159	POSSIBLE EXOTIC STRUCTURE IN LIGHT PROTON-RICH NUCLEI. <i>Modern Physics Letters A</i> , 2003, 18, 151-161.	1.2	1
160	STUDY OF ISOSCALING PHENOMENA FOR PROJECTILE-LIKE FRAGMENTS. <i>International Journal of Modern Physics E</i> , 2006, 15, 1803-1812.	1.0	1
161	MEASUREMENTS OF REACTION CROSS SECTION AND FRAGMENT MOMENTUM DISTRIBUTION FOR N=10 PROTON-RICH ISOTONES. <i>International Journal of Modern Physics E</i> , 2006, 15, 1523-1530.	1.0	1
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