Xiang-Zhou Cai

List of Publications by Year
in descending order

192 papers	8,552 citations	87888 38 h-index	43889 91 g-index
193 all docs	193 docs citations	193 times ranked	6192 citing authors

#	Article	IF	Citations
1	Transition to thorium fuel cycle on a heavy water moderated molten salt reactor by using low enrichment uranium. Annals of Nuclear Energy, 2022, 165, 108638.	1.8	3
2	Assessment of TRU burning in a molten salt reactor moderated by zirconium hydride rods. Nuclear Engineering and Design, 2022, 387, 111586.	1.7	3
3	Study of natural uranium utilization in a heavy water moderated molten salt reactor. Progress in Nuclear Energy, 2022, 146, 104144.	2.9	5
4	Behavior and distribution of nuclides in the fluoride volatility process of uranium containing molten salt fuel. Journal of Fluorine Chemistry, 2022, 261-262, 110016.	1.7	3
5	Nuclear nonâ€proliferation review and improving proliferation resistance assessment in the future. International Journal of Energy Research, 2021, 45, 11399-11422.	4.5	7
6	Analysis of integrated target in thoriumâ€based molten salt fast energy amplifier. International Journal of Energy Research, 2021, 45, 12086-12092.	4.5	0
7	Transmutation of 135 Cs in a singleâ€fluid doubleâ€zone thorium molten salt reactor. International Journal of Energy Research, 2021, 45, 12203-12214.	4.5	6
8	The conceptual design of thoriumâ€based molten salt energy amplifier. International Journal of Energy Research, 2021, 45, 12059-12070.	4.5	4
9	Parametric study on minor actinides transmutation in a graphiteâ€moderated thoriumâ€based molten salt reactors. International Journal of Energy Research, 2021, 45, 7840-7850.	4.5	6
10	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
11	Three dimensional steadyâ€state neutronics/thermalâ€hydraulics coupled simulation for a molten salt reactor moderated by zirconium hydride rods. International Journal of Energy Research, 2021, 45, 12358-12382.	4.5	2
12	Exâ€core transition to thorium cycle in a small modular heavyâ€water moderated molten salt reactor with unchanged concentration of heavy metal nuclides in the fuel salt. International Journal of Energy Research, 2021, 45, 12383-12395.	4.5	2
13	Analysis of producing 238Pu as a byproduct in an MSFR. Annals of Nuclear Energy, 2021, 154, 108104.	1.8	4
14	Analyses of production capacity of 89Sr and 90Sr in the 2ÂMW molten salt reactor. Applied Radiation and Isotopes, 2021, 173, 109714.	1.5	1
15	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
16	Ameliorating the positive temperature feedback coefficient for an MSR fueled with transuranic elements. Annals of Nuclear Energy, 2021, 160, 108325.	1.8	5
17	Potential Fuel Cycle Back-End for Thorium Fuel Cycle. , 2021, , 663-674.		0
18	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

#	Article	IF	Citations
19	Transition to thorium fuel cycle in a small modular molten salt reactor based on a batch reprocessing mode. Annals of Nuclear Energy, 2020, 138, 107163.	1.8	14
20	Transmutation of 129I in a single-fluid double-zone thorium molten salt reactor. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	14
21	Experimental study on the vibration behavior of the pebble bed in PB-FHR. Annals of Nuclear Energy, 2020, 139, 107193.	1.8	6
22	Supply of I-131 in a 2ÂMW molten salt reactor with different production methods. Applied Radiation and Isotopes, 2020, 166, 109350.	1.5	4
23	Core and blanket thermalâ€“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
24	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
25	Sensitivity/uncertainty comparison and similarity analysis between TMSR-LF1 and MSR models. Progress in Nuclear Energy, 2020, 122, 103289.	2.9	12
26	Sustainable supply of 99Mo source in a 2ÂMW molten salt reactor using low-enriched uranium. Applied Radiation and Isotopes, 2020, 160, 109134.	1.5	10
27	Evaluation of 99Mo production in a small modular thorium based molten salt reactor. Progress in Nuclear Energy, 2020, 124, 103337.	2.9	9
28	Influence of 235U 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
29	A novel concept for a molten salt reactor moderated by heavy water. Annals of Nuclear Energy, 2019, 132, 391-403.	1.8	19
30	Study on background shielding for a compact photoneutron source. Progress in Nuclear Energy, 2019, 115, 74-79.	2.9	3
31	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
32	The Laplace transform method for solving the burnup equation with external feed. Annals of Nuclear Energy, 2019, 130, 47-53.	1.8	7
33	Breeding Properties Study on High-Power Thorium Molten Salt Reactor. Journal of Nuclear Engineering and Radiation Science, 2019, 5, .	0.4	2
34	Monte Carlo burnup code development based on multi-group cross section method. Progress in Nuclear Energy, 2019, 110, 24-29.	2.9	5
35	Development of a dynamics model for graphite-moderated channel-type molten salt reactor. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	9
36	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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37	Experimental investigation of the bed structure in liquid salt cooled pebble bed reactor. Nuclear Engineering and Design, 2018, 331, 24-31.	1.7	8
38	Development and application of optimal burnup estimation methodology for pebble bed reactor. Annals of Nuclear Energy, 2018, 117, 343-349.	1.8	2
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	Influence of Xe-135 Dynamic Behavior on Core Operation Safety for a Molten Salt Reactor. , 2018, , .		0
41	The packing factor of the pebble bed in molten salt reactor. Annals of Nuclear Energy, 2018, 122, 118-124.	1.8	6
42	149Sm evolution behavior in a small modular molten salt reactor. Annals of Nuclear Energy, 2018, 120, 100-107.	1.8	5
43	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
44	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
45	Analysis of Th-U breeding capability for an accelerator-driven subcritical molten salt reactor. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	14
46	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
47	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
48	Flow effect on 135 I and 135 Xe evolution behavior in a molten salt reactor. Nuclear Engineering and Design, 2017, 314, 318-325.	1.7	14
49	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
50	Breeding Properties Study on High Power Thorium Molten Salt Reactor. , 2017, , .		0
51	Analysis of Sustainable Thorium Fuel Utilization in Molten Salt Reactors Starting From Enriched Uranium. , 2017, , .		0
52	TMSR Fuel Cycle Evaluation Under a Screening and Decision-Making Framework. , 2017, , .		0
53	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
54	Transition toward thorium fuel cycle in a molten salt reactor by using plutonium. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	25

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55	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
56	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
57	Neutron excess method for performance assessment of thorium-based fuel in a breed-and-burn reactor with various coolants. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	4
58	Proton-proton correlations in distinguishing the two-proton emission mechanism of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Al</mml:mi><mml:mprescripts /><mml:none /><mml:mn>23</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>22</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 94, .	2.9	24
59	Dancoff factor analysis for pebble bed fluoride salt cooled high temperature reactor. Progress in Nuclear Energy, 2016, 88, 332-339.	2.9	4
60	Neutron time-of-flight spectroscopy measurement using a waveform digitizer. Chinese Physics C, 2016, 40, 056202.	3.7	4
61	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
62	Different mechanism of two-proton emission from proton-rich nuclei 23Al and 22Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 306-309.	4.1	38
63	Analysis of minor actinides transmutation for a Molten Salt Fast Reactor. Annals of Nuclear Energy, 2015, 85, 597-604.	1.8	46
64	Startup and burnup strategy for Thâ€“U/Uâ€“Pu fuel cycles in an EM2 reactor. Progress in Nuclear Energy, 2015, 85, 764-770.	2.9	4
65	Breed-and-burn strategy in a fast reactor with optimized starter fuel. Progress in Nuclear Energy, 2015, 85, 11-16.	2.9	8
66	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
67	Some Physical Issues of the Thorium Molten Salt Reactor Nuclear Energy System. Nuclear Physics News, 2014, 24, 24-30.	0.4	32
68	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
69	First CUORE-0 Performance Results and Status of CUORE Experiment. Journal of Low Temperature Physics, 2014, 176, 986-994.	1.4	1
70	Computational Fluid Dynamics Analysis of a Fluoride Saltâ€“Cooled Pebble-Bed Test Reactor. Nuclear Science and Engineering, 2014, 178, 86-102.	1.1	12
71	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>J</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>Ï</mml:mi></mml:math> production at high transverse momenta in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math> and Au + Au collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif"	4.1	80
72	The investigation of thermal neutron scattering data for molten salt Flibe. Journal of Nuclear Science and Technology, 2013, 50, 682-688.	1.3	11

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73	Validation of techniques to mitigate copper surface contamination in CUORE. Astroparticle Physics, 2013, 45, 13-22.	4.3	66
74	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
75	Investigation of thermal neutron scattering data for BeF₂and LiF crystals. Journal of Nuclear Science and Technology, 2013, 50, 419-424.	1.3	8
76	Self-Breeding and Radiotoxicity Analysis on Thorium-Based Molten Salt Reactors. , 2013, , .		0
77	Hindered proton collectivity in the proton-rich nucleus [sup 28]S: Possible magic number Z = 16. , 2012, , .		0
78	Directed Flow of Identified Particles in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>S</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow RHIC. Physical Review Letters, 2012, 108, 202301.	7.8	34
79	Nucleon-nucleon momentum-correlation function as a probe of the density distribution of valence neutrons in neutron-rich nuclei. Physical Review C, 2012, 86, .	2.9	18
80	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow Physical Review Letters, 2012, 108, 072301.	7.8	91
81	Hindered Proton Collectivity inS121628: Possible Magic Number atZ=16. Physical Review Letters, 2012, 108, 222501.	7.8	23
82	CUORE crystal validation runs: Results on radioactive contamination and extrapolation to CUORE background. Astroparticle Physics, 2012, 35, 839-849.	4.3	62
83	The Investigation of Thermal Neutron Scattering Data of Flibe. , 2012, , .		0
84	The influence of Multi-Step Sequential Decay on Isoscaling and Fragment Isospin Distribution in GEMINI Simulation. Chinese Physics Letters, 2011, 28, 062101.	3.3	1
85	High<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>p</mml:mi><mml:mi>T</mml:mi></mml:msub></mml:math>nonphotonic electron production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn><mml:mtext>â€‰	4.7	45
86	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	27.8	154
87	Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	4.1	29
88	Isospin and symmetry energy study in nuclear EOS. Science China: Physics, Mechanics and Astronomy, 2011, 54, 141-148.	5.1	5
89	Measurements on diproton emission from the break-up channels of 23Al and 22Mg. Science China: Physics, Mechanics and Astronomy, 2011, 54, 18-23.	5.1	4
90	System-size scan of dihadron azimuthal correlations in ultra-relativistic heavy ion collisions. Nuclear Physics A, 2011, 860, 76-83.	1.5	3

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91	display="inline"><mml:msup><mml:mi>K</mml:mi><mml:mrow><mml:mo>*</mml:mo><mml:mn>0</mml:mn></mml:mrow></mml:ms in Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo>+</mml:mo></mml:math>Cu and Au<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	60
92	Strange and multistrange particle production in Auâ€‰+â€‰Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi mathvariant="bold-italic">NN</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mml:mn>62.4< Physical Review C, 2011, 83, .	2.9	86
93	Influence of statistical sequential decay on isoscaling and symmetry energy coefficient in a gemini simulation. Physical Review C, 2011, 84, .	2.9	24
94	Unified description of nuclear stopping in central heavy-ion collisions from 10<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>ÂMeV to 1.2<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>GeV. Physical Review C, 2011, 84, .	2.9	56
95	Measurement of the longitudinal momentum distribution of30S after one-proton removal from31Cl. Physical Review C, 2011, 84, .	2.9	4
96	A new probe of neutron skin thickness. Chinese Physics C, 2011, 35, 555-560.	3.7	3
97	Hypertriton and light nuclei production at Î›-production subthreshold energy in heavy-ion collisions. Chinese Physics C, 2011, 35, 741-746.	3.7	4
98	Effects of Neutron Skin Thickness in Peripheral Nuclear Reactions. Chinese Physics Letters, 2011, 28, 102102.	3.3	3
99	SIGNALS OF DIPROTON EMISSION FROM THE THREEBODY BREAKUP CHANNEL OF ²³AL AND ²²MG. , 2011, , .		0
100	X-ray generation from slanting laserâ€“Compton scattering forÂfuture energy-tunable Shanghai Laser Electron Gamma Source. Applied Physics B: Lasers and Optics, 2010, 101, 761-771.	2.2	23
101	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
102	Diâ€“Hadron Azimuthal Correlations with respect to Reaction Plane from a Multi-Phase Transport Model Calculation. Nuclear Physics A, 2010, 834, 306c-308c.	1.5	0
103	Dependence of n/p with neutron skin thickness for neutron-rich nuclei. Nuclear Physics A, 2010, 834, 502c-504c.	1.5	1
104	Neutron/proton ratio of nucleon emissions as a probe of neutron skin. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 682, 396-400.	4.1	23
105	Isoscaling in projectile fragmentation reaction induced by 40,48Ca and 58,64Ni. Nuclear Physics A, 2010, 834, 584c-586c.	1.5	3
106	MEASUREMENT OF TWO-PROTON CORRELATION FROM THE BREAK-UP OF ²³Al. International Journal of Modern Physics E, 2010, 19, 957-964.	1.0	3
107	Strange quark dynamics on hot dense matter under the extreme condition. Chinese Physics C, 2010, 34, 1205-1211.	3.7	0
108	Balance functions from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Au</mml:mi><mml:mo>+</mml:mo><mml:mi mathvariant="normal">Au</mml:mi></mml:mrow></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi mathvariant="norma	2.9	45

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109	Measurement of the Bottom Quark Contribution to Nonphotonic Electron Production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mi>GeV</mml:mi></mml:math>. Physical Review Letters, 2010, 105, 202301.	7.8	68
110	Neutron removal cross section as a measure of neutron skin. Physical Review C, 2010, 81, .	2.9	15
111	Roles of deformation and orientation in heavy-ion collisions induced by light deformed nuclei at intermediate energy. Physical Review C, 2010, 81, .	2.9	17
112	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
113	Energy dependence of directed flow inAu+Aucollisions from a multiphase transport model. Physical Review C, 2010, 81, .	2.9	11
114	Charged and strange hadron elliptic flow in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Cu</mml:mi><mml:mo>+</mml:mo><mml:mi mathvariant="normal">Cu</mml:mi></mml:mrow></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi	2.9	55
115	MEASUREMENT OF THE PROTON-PROTON CORRELATION FUNCTION FROM THE BREAK-UP OF ²²Mg AND ²⁰Ne. International Journal of Modern Physics E, 2010, 19, 1823-1828.	1.0	2
116	PROJECTILE FRAGMENTATION OF ^{36,40}Ar INDUCED REACTIONS. International Journal of Modern Physics E, 2010, 19, 1815-1822.	1.0	0
117	AZIMUTHAL ASYMMETRY AND CORRELATIONS OF HARD PHOTONS IN INTERMEDIATE ENERGY HEAVY ION COLLISIONS. International Journal of Modern Physics E, 2010, 19, 1773-1787.	1.0	1
118	THE ORIENTATIONAL-AVERAGE EFFECTS OF HEAVY-ION COLLISIONS INDUCED BY DEFORMED NUCLEI AT INTERMEDIATE ENERGY. International Journal of Modern Physics E, 2010, 19, 1794-1801.	1.0	0
119	PROJECTILE FRAGMENTATION OF ^{36,40}Ar INDUCED REACTIONS. International Journal of Modern Physics E, 2010, 19, 1076-1083.	1.0	1
120	EXPERIMENTAL INVESTIGATION OF THE STELLAR REACTION 30S(p,Î³)31Cl VIA COULOMB DISSOCIATION. Modern Physics Letters A, 2010, 25, 1763-1766.	1.2	3
121	Measurement on proton-proton correlation of the excited [sup 23]Al. , 2010, , .		0
122	Studies on the isospin effect and isoscaling behavior in heavy ion collisions. , 2010, , .		0
123	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
124	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
125	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	7.8	91
126	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi><mml:mo>/</mml:mo><mml:mi>Ï€</mml:mi></mml:math>Fluctuations at Relativistic Energies. Physical Review Letters, 2009, 103, 092301.	7.8	53

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127	Viscosity and dilepton production of a chemically equilibrating quark-gluon plasma at finite baryon density. Physical Review C, 2009, 80, .	2.9	5
128	Beam-energy and system-size dependence of dynamical net charge fluctuations. Physical Review C, 2009, 79, .	2.9	44
129	Systematic measurements of identified particle spectra in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="italic">pp</mml:mi></mml:mrow></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi mathvariant="normal">Au</mml:mi></mml:mrow></mml:math>, and<mml:math xmlns:mml="http://www	2.9	714
130	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	2.9	220
131	Growth of Long-Range Forward-Backward Multiplicity Correlations with Centrality in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow	7.8	79
132	Physical Review Letters, 2009, 103, 172301. Scaling property in one-nucleon removal reactions induced by exotic nuclei. Chinese Physics C, 2009, 33, 197-200.	3.7	1
133	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
134	Observation of Two-Source Interference in the Photoproduction Reaction<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>AuAu</mml:mi><mml:mo>â†’</mml:mo><mml:mi>AuAu</mml:mi><mml:msup><mml:mi>Î</mml:mi><mml:mi><mml:r Physical Review Letters, 2009, 102, 112301.	7.8	38
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