

Jian-Song Wang

List of Publications by Year in descending order

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132
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147801

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all docs

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docs citations

133
times ranked

3293
citing authors

#	ARTICLE	IF	CITATIONS
1	The emission order of hydrogen isotopes via correlation functions in 30 MeV/u Ar+Au reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 825, 136856.	4.1	9
2	Observation of He6+t cluster states in Li9. Physical Review C, 2021, 103, .	2.9	3
3	Experimental investigation of abnormal transverse flow enhancement of \hat{I}_{\pm} particles in heavy-ion collisions. Physical Review C, 2021, 104, .	2.9	1
4	\hat{I}^2 -Delayed \hat{I}^3 Emissions of 26P and Its Mirror Asymmetry. Symmetry, 2021, 13, 2278.	2.2	4
5	Scattering of the halo nucleus 11Be from a lead target at 3.5 times the Coulomb barrier energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135942.	4.1	31
6	Experimental study of the elastic scattering of ^{10}Be on ^{208}Pb at the energy of around three times the Coulomb barrier *. Chinese Physics C, 2020, 44, 024001.	3.7	9
7	\hat{I}^2 -decay spectroscopy of ^{10}Be on ^{208}Pb at the energy of around three times the Coulomb barrier *. Chinese Physics C, 2020, 44, 024001.	2.9	21
8	A \hat{I}^2 -delayed neutron detection system working with the continuous beam mode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 83-87.	1.6	1
9	Progress of study on the properties of nuclear matter with high baryon density at CSR energy region. Scientia Sinica: Physica, Mechanica Et Astronomica, 2019, 49, 102006.	0.4	0
10	Quasielastic scattering of ^{17}C from a carbon target at 40 MeV/nucleon. European Physical Journal A, 2018, 54, 1.	2.5	0
11	Statistical analysis of experimental multifragmentation events in Zn64+Sn112 at 40 MeV/nucleon. Physical Review C, 2018, 97, .	2.9	6
12	Reexamination of a novel determination of density, temperature, and symmetry energy based on a modified Fisher model. Physical Review C, 2018, 97, .	2.9	3
13	Angular distribution of elastic scattering induced by ^{17}C on medium-mass target nuclei at energies near the Coulomb barrier. Physical Review C, 2018, 97, .	2.9	11
14	Silicon detector array for radioactive beam experiments at HIRFL-RIBLL. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	12
15	Important role of projectile excitation in ^{7}Be + ^{208}Pb system. Physical Review C, 2018, 97, .	2.9	28
16	Observation of ^{16}O + ^{208}Pb system. Physical Review C, 2018, 97, .	2.9	11
17	Implantation-decay method to study the \hat{I}^2 -delayed charged particle decay. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	8
18	\hat{I}^2 -delayed particle emission from ^{21}Mg . European Physical Journal A, 2018, 54, 1.	2.5	6

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19	Observation of \hat{I}^2 -delayed 2He emission from the proton-rich nucleus ^{22}Al . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 784, 12-15.	4.1	14
20	Investigation of the near-threshold cluster resonance in ^{14}C . <i>Chinese Physics C</i> , 2018, 42, 074003.	3.7	12
21	Simulation of proton-proton elastic scattering for the KOALA recoil detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 898, 133-138.	1.6	3
22	Observation of \hat{I}^2 -delayed two-proton emission in the decay of ^{22}Si . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 766, 312-316.	4.1	31
23	\hat{I}^2 -decay study of the $T_z = -2$ proton-rich nucleus ^{20}Mg . <i>Physical Review C</i> , 2017, 95, .	2.9	15
24	Shape analysis applied in heavy ion reactions near Fermi energy. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 035101.	3.6	0
25	Correlation between quarter-point angle and nuclear radius. <i>Chinese Physics C</i> , 2017, 41, 044103.	3.7	2
26	Symmetry energy and experimentally observed cold fragments in intermediate heavy-ion collisions. <i>Chinese Physics C</i> , 2017, 41, 044001.	3.7	3
27	A detector setup for the measurement of angular distribution of heavy-ion elastic scattering with low energy on RIBLL. <i>Nuclear Science and Techniques/Hewuli</i> , 2017, 28, 1.	3.4	8
28	In-medium and isospin effects on eta production in heavy-ion collisions near threshold energies. <i>European Physical Journal A</i> , 2017, 53, 1.	2.5	3
29	Charmonium production in ultra-peripheral heavy ion collisions with two-photon processes. <i>Nuclear Physics B</i> , 2017, 917, 234-240.	2.5	11
30	\hat{I}^2 -decay study of neutron-rich nucleus ^{34}Al . <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	1
31	Influence of breakup on elastic and \hat{I}^2 -production channels in the $^6\text{Li} + ^{116}\text{Sn}$ reaction. <i>Chinese Physics C</i> , 2017, 41, 104001.	3.7	1
32	Chemical potential and symmetry energy for intermediate-mass fragment production in heavy ion reactions near the Fermi energy. <i>Physical Review C</i> , 2017, 95, .	2.9	1
33	Long-time drift of the isospin degree of freedom in heavy ion collisions. <i>Physical Review C</i> , 2017, 95, .	2.9	20
34	Northern boundary of the "island of inversion" and triaxiality in ^{34}Si . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 529-533.	4.1	20
35	Heavy quarkonium photoproduction in ultrarelativistic heavy ion collisions. <i>Physical Review C</i> , 2017, 95, .	2.9	19
36	Publisher's Note: Heavy quarkonium photoproduction in ultrarelativistic heavy ion collisions [<i>Phys. Rev. C</i> 95, 014905 (2017)]. <i>Physical Review C</i> , 2017, 95, .	2.9	8

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37	Experimental study of the ${}^9\text{Li}$ breakup reaction on Pb target. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	3
38	Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. Advances in High Energy Physics, 2017, 2017, 1-7.	1.1	1
39	New empirical formula for (${}^3\text{He}$, n) reaction cross section near GDR peak for elements with $Z \leq 60$. Chinese Physics C, 2017, 41, 044105.	3.7	5
40	A multilayer E - E R telescope for breakup reactions at energies around the Coulomb barrier. Chinese Physics C, 2016, 40, 116004.	3.7	6
41	Investigation on symmetry and characteristic properties of the fragmenting source in heavy-ion reactions through reconstructed primary isotope yields. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	3
42	Nuclear in-medium effects on Λ dynamics in proton-nucleus collisions. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	13
43	Lifetime measurement of the first excited state in ${}^37\text{S}$. Physical Review C, 2016, 94, .	2.9	1
44	Proton-proton correlations in distinguishing the two-proton emission mechanism of ${}^23\text{Al}$ and ${}^22\text{Mg}$. Physical Review C, 2016, 94, .	2.9	24
45	Revalidation of the isobaric multiplet mass equation at $A = 53$, $T = 3/2$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 323-327.	4.1	15
46	Freezeout concept and dynamical transport model in intermediate-energy heavy-ion reactions. Physical Review C, 2015, 92, .	2.9	18
47	Reaction mechanism of ${}^8\text{B}$ breakup at the Fermi energy. Physical Review C, 2015, 91, .	2.9	9
48	Experimental Study of Beta-Delayed Proton Emission of ${}^{36,37}\text{Ca}$. Chinese Physics Letters, 2015, 32, 012301.	3.3	8
49	Different mechanism of two-proton emission from proton-rich nuclei ${}^{23}\text{Al}$ and ${}^{22}\text{Mg}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 306-309.	4.1	38
50	Measurement of the ${}^{52}\text{Fe}$ mass via the precise proton-decay energy of ${}^{53}\text{Co}$. Physical Review C, 2015, 91, .	2.9	6
51	Helium-helium clustering states in ${}^{12}\text{Be}$. Physical Review C, 2015, 91, .	2.9	44
52	Measurement of ${}^2\text{J}$ and ${}^2\text{I}$ and ${}^2\text{S}$ via elastic resonance scattering of ${}^{11}\text{B}$. Physical Review C, 2015, 91, .	7.8	60
53	Measurement of ${}^2\text{J}$ and ${}^2\text{I}$ and ${}^2\text{S}$ via elastic resonance scattering of ${}^{11}\text{B}$. Physical Review C, 2015, 91, .	2.9	4
54	Fractal geometrical properties of nuclei. Chinese Physics C, 2015, 39, 104101.	3.7	2

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55	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		
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73	Reexamining the β^2 decay of $^{53,54}\text{Ni}$, $^{52,53}\text{Co}$, ^{51}Fe , and ^{50}Mn . <i>Physical Review C</i> , 2013, 87, .	2.9	12
74	In-Medium phenomena in Low Density Nuclear Matter. <i>Journal of Physics: Conference Series</i> , 2013, 420, 012086.	0.4	0
75	Study on Fragments Emission in the $^{64}\text{Ni} + ^{64}\text{Ni}$ Reaction at 40 A MeV. <i>Plasma Science and Technology</i> , 2012, 14, 386-389.	1.5	0
76	Experimental Study of Two-Alpha Emission from High-Lying Excited States of $^{17,18}\text{Ne}$. <i>Plasma Science and Technology</i> , 2012, 14, 371-374.	1.5	0
77	Hindered proton collectivity in the proton-rich nucleus ^{28}S : Possible magic number $Z = 16$. , 2012, , .		0
78	Experimental Determination of In-Medium Cluster Binding Energies and Mott Points in Nuclear Matter. <i>Physical Review Letters</i> , 2012, 108, 062702.	7.8	48
79	Laboratory Tests of Low Density Astrophysical Nuclear Equations of State. <i>Physical Review Letters</i> , 2012, 108, 172701.	7.8	79
80	Phenomenological formula of total reaction cross sections for low-energy systems. <i>Physical Review C</i> , 2012, 86, .	2.9	5
81	Projectile fragmentation reactions of ^{40}Ar at 57 MeV/nucleon. <i>Physical Review C</i> , 2012, 85, .	2.9	26
82	Nuclear matter symmetry energy at $0.03 \leq \rho \leq 0.17$ fm $^{-3}$. <i>Physical Review C</i> , 2012, 85, .	2.9	47
83	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
84	The neutron halo structure of ^{17}B studied with the relativistic Hartree-Bogoliubov theory. <i>Chinese Physics C</i> , 2012, 36, 43-47.	3.7	1
85	Quarter-point angle for light, weakly bound projectiles. <i>Physical Review C</i> , 2012, 86, .	2.9	3
86	Hindered Proton Collectivity in ^{126}Ba : Possible Magic Number at $Z=16$. <i>Physical Review Letters</i> , 2012, 108, 222501.	7.8	23
87	ppGalNAc T1 as a Potential Novel Marker for Human Bladder Cancer. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 5653-5657.	1.2	20
88	Structure of ^6He in the frame of a cluster model. <i>Chinese Physics C</i> , 2011, 35, 550-554.	3.7	1
89	Neutron multiplicity from primary hot fragments produced in heavy ion reactions near Fermi energy. <i>Journal of Physics: Conference Series</i> , 2011, 312, 082009.	0.4	2
90	Experimental Investigation of the Stellar Reaction $^{30}\text{S}(p, \beta^+)^{31}\text{Cl}$ via Coulomb Dissociation. <i>Journal of Physics: Conference Series</i> , 2011, 312, 042025.	0.4	3

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91	Study of proton resonances in ^{18}Ne via resonant elastic scattering of $^{17}\text{F}+p$ and its astrophysical implication. Science China: Physics, Mechanics and Astronomy, 2011, 54, 32-36.	5.1	3
92	Experimental research into the two-proton emissions from $^{17,18}\text{Ne}$, ^{28}P and $^{28,29}\text{S}$. Science China: Physics, Mechanics and Astronomy, 2011, 54, 73-80.	5.1	6
93	Measurements on diproton emission from the break-up channels of ^{23}Al and ^{22}Mg . Science China: Physics, Mechanics and Astronomy, 2011, 54, 18-23.	5.1	4
94	Measurement of the longitudinal momentum distribution of ^{30}S after one-proton removal from ^{31}Cl . Physical Review C, 2011, 84, .	2.9	4
95	Design studies on the 4π $\hat{\Gamma}^3$ -ray calorimeter for the ETF experiment at HIRFL-CSR. Chinese Physics C, 2011, 35, 67-71.	3.7	2
96	A TOF-PET prototype with position sensitive PMT readout. Chinese Physics C, 2011, 35, 61-66.	3.7	4
97	Knockout reaction induced by ^6He at 61.2 MeV/u. Chinese Physics C, 2011, 35, 891-895.	3.7	4
98	Probing the Structure of Unstable Nuclei Through the Recoiled Proton Tagged Knockout Reaction. Nuclear Physics A, 2010, 834, 454c-457c.	1.5	13
99	Experimental study of the two-proton correlated emission from the excited states of $^{17,18}\text{Ne}$ and $^{28,29}\text{S}$. Nuclear Physics A, 2010, 834, 450c-453c.	1.5	2
100	A novel approach to isoscaling: The role of the order parameter. Nuclear Physics A, 2010, 847, 233-242.	1.5	41
101	Isocaling and the symmetry energy in the multifragmentation regime of heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	39
102	Isospin dependence of the nuclear equation of state near the critical point. Physical Review C, 2010, 81, .	2.9	41
103	Isobaric yield ratios and the symmetry energy in heavy-ion reactions near the Fermi energy. Physical Review C, 2010, 81, .	2.9	75
104	Power law behavior of the isotope yield distributions in the multifragmentation regime of heavy ion reactions. Physical Review C, 2010, 82, .	2.9	36
105	Experimental study of two-proton emission from excited states of the odd- Z nucleus ^{28}P . Physical Review C, 2010, 81, .	2.9	18
106	EXPERIMENTAL INVESTIGATION OF THE STELLAR REACTION $^{30}\text{S}(p, \hat{\Gamma}^3)^{31}\text{Cl}$ VIA COULOMB DISSOCIATION. Modern Physics Letters A, 2010, 25, 1763-1766.	1.2	3
107	THE ISOSPIN DEPENDENCE OF THE NUCLEAR PHASE TRANSITION NEAR THE CRITICAL POINT. International Journal of Modern Physics E, 2010, 19, 1570-1576.	1.0	1
108	Experimental study of two-proton correlated emission from ^{29}S excited states. Physical Review C, 2009, 80, .	2.9	33

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109	The properties of halo structure for ^{17}B . Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 781-787.	0.2	7
110	Experimental determination of the symmetry energy of a low density nuclear gas. Physical Review C, 2007, 75, .	2.9	109
111	Properties of the initial participant matter interaction zone in near-Fermi-energy heavy-ion collisions. Physical Review C, 2007, 75, .	2.9	3
112	Clustering and Symmetry Energy in a Low Density Nuclear Gas. Nuclear Physics A, 2007, 787, 619-626.	1.5	2
113	Towards the critical behavior for the light nuclei by NIMROD detector. Nuclear Physics A, 2005, 749, 106-109.	1.5	15
114	Tracing the evolution of temperature in near Fermi energy heavy ion collisions. Physical Review C, 2005, 72, .	2.9	37
115	Ghoshal-like test of equilibration in near-Fermi-energy heavy-ion collisions. Physical Review C, 2005, 71, .	2.9	8
116	Quasielastic scattering of ^6He on ^9Be at 25 MeV/nucleon. Physical Review C, 2005, 71, .	2.9	24
117	Critical behavior in light nuclear systems: Experimental aspects. Physical Review C, 2005, 71, .	2.9	96
118	Efficiency calibration of a large-area neutron detector by using Am/Be neutron source. IEEE Transactions on Nuclear Science, 2005, 52, 473-477.	2.0	11
119	Reaction dynamics and multifragmentation in Fermi energy heavy ion reactions. Physical Review C, 2004, 69, .	2.9	75
120	Evidence of critical behavior in the disassembly of nuclei with $A \sim 436$. Physical Review C, 2004, 69, .	2.9	35
121	Search for temperature and $N \cdot Z$ dependent effects in the decay of $A=98$ compound nuclei. Physical Review C, 2004, 69, .	2.9	0
122	Intermediate mass fragments and isospin dependence in $^{124}\text{Sn}, ^{124}\text{Xe} + ^{124}\text{Sn}, ^{112}\text{Sn}$ reactions at 28 MeV/nucleon. Physical Review C, 2003, 68, .	2.9	15
123	Limiting Temperatures and the Equation of State of Nuclear Matter. Physical Review Letters, 2002, 89, 212701.	7.8	125
124	Existence of a proton halo in ^{23}Al and its significance. Physical Review C, 2002, 65, .	2.9	69
125	Caloric curves and nuclear expansion. Physical Review C, 2002, 66, .	2.9	39
126	Sequential decay distortion of Goldhaber model widths for spectator fragments. Physical Review C, 2002, 65, .	2.9	10

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127	Measurement of reaction cross section for proton-rich nuclei ($A < 30$) at intermediate energies. Nuclear Physics A, 2002, 707, 303-324.	1.5	87
128	RMF calculation and phenomenological formulas for the rms radii of light nuclei. Nuclear Physics A, 2001, 691, 618-630.	1.5	27
129	Isospin effect of fragmentation reactions induced by intermediate energy heavy ions and its disappearance. Physical Review C, 2000, 61, .	2.9	36
130	Measurements of total reaction cross sections for some light nuclei at intermediate energies. Physical Review C, 2000, 61, .	2.9	57
131	Isospin influences on particle emission and critical phenomena in nuclear dissociation. Physical Review C, 1999, 60, .	2.9	43
132	Azimuthal distribution, azimuthal correlation, and reaction plane dispersion in the reaction 10.6 MeV/nucleon ^{84}Kr on ^{27}Al . Physical Review C, 1997, 56, 1996-2002.	2.9	3