

Jian-Song Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2243454/publications.pdf>

Version: 2024-02-01

132
papers

2,603
citations

147801

31
h-index

223800

46
g-index

133
all docs

133
docs citations

133
times ranked

3293
citing authors

#	ARTICLE	IF	CITATIONS
1	Limiting Temperatures and the Equation of State of Nuclear Matter. Physical Review Letters, 2002, 89, 212701.	7.8	125
2	Experimental determination of the symmetry energy of a low density nuclear gas. Physical Review C, 2007, 75, .	2.9	109
3	Critical behavior in light nuclear systems: Experimental aspects. Physical Review C, 2005, 71, .	2.9	96
4	Measurement of reaction cross section for proton-rich nuclei ($A < 30$) at intermediate energies. Nuclear Physics A, 2002, 707, 303-324.	1.5	87
5	Laboratory Tests of Low Density Astrophysical Nuclear Equations of State. Physical Review Letters, 2012, 108, 172701.	7.8	79
6	Observation of Enhanced Monopole Strength and Clustering in ^{12}Be . Physical Review Letters, 2014, 112, 162501.	7.8	78
7	Reaction dynamics and multifragmentation in Fermi energy heavy ion reactions. Physical Review C, 2004, 69, .	2.9	75
8	Isobaric yield ratios and the symmetry energy in heavy-ion reactions near the Fermi energy. Physical Review C, 2010, 81, .	2.9	75
9	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		

#	ARTICLE	IF	CITATIONS
37	Novel determination of density, temperature, and symmetry energy for nuclear multifragmentation through primary fragment-yield reconstruction. Physical Review C, 2014, 89, .	2.9	25
38	Quasielastic scattering of He6 on Be9 at 25 MeV/nucleon. Physical Review C, 2005, 71, .	2.9	24
39	Correlations of two protons emitted from excited states of 28S and 27P. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 126-129.	4.1	24
40	Proton-proton correlations in distinguishing the two-proton emission mechanism of ^{23}Al and ^{23}Mg . Physical Review Letters, 2016, 94, .	2.9	24
41	Proton-proton correlations in distinguishing the two-proton emission mechanism of ^{16}O and ^{16}Ni . Physical Review Letters, 2012, 108, 222501.	7.8	23
42	Hindered Proton Collectivity in ^{12}C : Possible Magic Number at $Z=16$. Physical Review Letters, 2012, 108, 222501.	7.8	23
43	^{27}Al β -decay spectroscopy of ^{27}S . Physical Review C, 2010, 82, .	2.9	21
44	Long-time drift of the isospin degree of freedom in heavy ion collisions. Physical Review C, 2017, 95, .	2.9	20
45	Northern boundary of the β -island of inversion and triaxiality in ^{34}Si . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 529-533.	4.1	20
46	ppGalNAc T1 as a Potential Novel Marker for Human Bladder Cancer. Asian Pacific Journal of Cancer Prevention, 2012, 13, 5653-5657.	1.2	20
47	Heavy quarkonium photoproduction in ultrarelativistic heavy ion collisions. Physical Review C, 2017, 95, .	2.9	19
48	Investigation of two-proton emission from excited states of the odd- Z nucleus ^{28}P by complete-kine	2.9	18
49	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
50	Experimental reconstruction of primary hot isotopes and characteristic properties of the fragmenting source in heavy-ion reactions near the Fermi energy. Physical Review C, 2014, 90, .	2.9	18
51	Freezeout concept and dynamical transport model in intermediate-energy heavy-ion reactions. Physical Review C, 2015, 92, .	2.9	18
52	Intermediate mass fragments and isospin dependence in $^{124}\text{Xe}+^{124}\text{Sn}$, $^{124}\text{Xe}+^{112}\text{Sn}$ reactions at $28\text{MeV}/\text{nucleon}$. Physical Review C, 2003, 68, .	2.9	15
53	Towards the critical behavior for the light nuclei by NIMROD detector. Nuclear Physics A, 2005, 749, 106-109.	1.5	15
54	Experimental reconstruction of excitation energies of primary hot isotopes in heavy ion collisions near the Fermi energy. Physical Review C, 2013, 88, .	2.9	15

#	ARTICLE	IF	CITATIONS
55	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
56	\hat{I}^2 -decay study of the $T_z = \hat{a}^2$ proton-rich nucleus Mg^{20} . Physical Review C, 2017, 95, .	2.9	15
57	Reconstructed primary fragments and symmetry energy, temperature and density of the fragmenting source in $Zn^{64} + Sn^{112}$ at 40 MeV/nucleon . Nuclear Physics A, 2015, 933, 290-305.	1.5	14
58	Observation of \hat{I}^2 -delayed $2He$ emission from the proton-rich nucleus ^{22}Al . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 12-15.	4.1	14
59	Probing the Structure of Unstable Nuclei Through the Recoiled Proton Tagged Knockout Reaction. Nuclear Physics A, 2010, 834, 454c-457c.	1.5	13
60	Nuclear in-medium effects on \hat{I}^2 dynamics in proton-nucleus collisions. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	13
61	Reexamining the \hat{I}^2 decay of $^{53,54}Ni$, $^{52,53}Co$, ^{51}Fe , and ^{50}Mn . Physical Review C, 2013, 87, .	2.9	12
62	Silicon detector array for radioactive beam experiments at HIRFL-RIBLL. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	12
63	Investigation of the near-threshold cluster resonance in ^{14}C . Chinese Physics C, 2018, 42, 074003.	3.7	12
64	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
65	Charmonium production in ultra-peripheral heavy ion collisions with two-photon processes. Nuclear Physics B, 2017, 917, 234-240.	2.5	11
66	Angular distribution of elastic scattering induced by F on medium-mass target nuclei at energies near the Coulomb barrier. Physical Review C, 2018, 97, .	2.9	11
67	Sequential decay distortion of Goldhaber model widths for spectator fragments. Physical Review C, 2002, 65, .	2.9	10
68	Reaction mechanism of B breakup at the Fermi energy. Physical Review C, 2015, 91, .	2.9	9
69	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
70	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
71	Choshal-like test of equilibration in near-Fermi-energy heavy-ion collisions. Physical Review C, 2005, 71, .	2.9	8
72	Experimental Study of Beta-Delayed Proton Emission of $^{36,37}Ca$. Chinese Physics Letters, 2015, 32, 012301.	3.3	8

#	ARTICLE	IF	CITATIONS
73	A detector setup for the measurement of angular distribution of heavy-ion elastic scattering with low energy on RIBLL. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	8
74	Publisher's Note: Heavy quarkonium photoproduction in ultrarelativistic heavy ion collisions [Phys. Rev. C 95 , 014905 (2017)]. Physical Review C, 2017, 95, .	2.9	8
75	Implantation-decay method to study the β -delayed charged particle decay. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	8
76	The properties of halo structure for ^{17}B . Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 781-787.	0.2	7
77	Investigation of equation of state and in-medium α -particle production cross sections through nuclear stopping. Physical Review C, 2014, 89, .	2.9	6
78	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
79	Average neutron detection efficiency for DEMON detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 709, 68-71.	1.6	6
80	An implantation and α detection system applied in α -decay studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 747, 52-55.	1.6	6
81	Measurement of the ^{52}Fe mass via the precise proton-decay energy of ^{53}Co . Physical Review C, 2015, 91, .	2.9	6
82	A multilayer α -E-E R telescope for breakup reactions at energies around the Coulomb barrier. Chinese Physics C, 2016, 40, 116004.	3.7	6
83	Statistical analysis of experimental multifragmentation events in $^{64}\text{Zn}+^{112}\text{Sn}$ at 40 MeV/nucleon. Physical Review C, 2018, 97, .	2.9	6
84	β -delayed particle emission from ^{21}Mg . European Physical Journal A, 2018, 54, 1.	2.5	6
85	Phenomenological formula of total reaction cross sections for low-energy systems. Physical Review C, 2012, 86, .	2.9	5
86	New empirical formula for (α, n) reaction cross section near GDR peak for elements with $Z \leq 60$. Chinese Physics C, 2017, 41, 044105.	3.7	5
87	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
88	Measurement of the longitudinal momentum distribution of ^{30}S after one-proton removal from ^{31}Cl . Physical Review C, 2011, 84, .	2.9	4
89	A TOF-PET prototype with position sensitive PMT readout. Chinese Physics C, 2011, 35, 61-66.	3.7	4
90	Knockout reaction induced by ^6He at 61.2 MeV/u. Chinese Physics C, 2011, 35, 891-895.	3.7	4

#	ARTICLE	IF	CITATIONS
109	Design studies on the 4π β -ray calorimeter for the ETF experiment at HIRFL-CSR. Chinese Physics C, 2011, 35, 67-71.	3.7	2
110	A Module Test of CCDA: an Array to Select the Centrality of Collisions in Heavy Ion Collisions. Chinese Physics Letters, 2014, 31, 082502.	3.3	2
111	Fractal geometrical properties of nuclei. Chinese Physics C, 2015, 39, 104101.	3.7	2
112	Correlation between quarter-point angle and nuclear radius. Chinese Physics C, 2017, 41, 044103.	3.7	2
113	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
114	Structure of 6He in the frame of a cluster model. Chinese Physics C, 2011, 35, 550-554.	3.7	1
115	The neutron halo structure of ^{17}B studied with the relativistic Hartree-Bogoliubov theory. Chinese Physics C, 2012, 36, 43-47.	3.7	1
116	A simulation study of a dual-plate in-room PET system for dose verification in carbon ion therapy. Chinese Physics C, 2014, 38, 088202.	3.7	1
117	Lifetime measurement of the first excited state in ^{37}S . Physical Review C, 2016, 94, .	2.9	1
118	β^- -decay study of neutron-rich nucleus ^{34}Al . Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	1
119	Influence of breakup on elastic and β^- -production channels in the $^6\text{Li} + ^{116}\text{Sn}$ reaction. Chinese Physics C, 2017, 41, 104001.	3.7	1
120	Chemical potential and symmetry energy for intermediate-mass fragment production in heavy ion reactions near the Fermi energy. Physical Review C, 2017, 95, .	2.9	1
121	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle Q \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle$ Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. Advances in High Energy Physics, 2017, 2017, 1-7.	1.1	1
122	A β^- -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
123	Experimental investigation of abnormal transverse flow enhancement of β^\pm particles in heavy-ion collisions. Physical Review C, 2021, 104, .	2.9	1
124	Search for temperature and $N\hat{Z}$ -dependent effects in the decay of $A=98$ compound nuclei. Physical Review C, 2004, 69, .	2.9	0
125	Study on Fragments Emission in the $^{64}\text{Ni} + ^{64}\text{Ni}$ Reaction at 40A MeV. Plasma Science and Technology, 2012, 14, 386-389.	1.5	0
126	Experimental Study of Two-Alpha Emission from High-Lying Excited States of $^{17,18}\text{Ne}$. Plasma Science and Technology, 2012, 14, 371-374.	1.5	0

#	ARTICLE	IF	CITATIONS
127	Hindered proton collectivity in the proton-rich nucleus [sup 28]S: Possible magic number Z = 16. , 2012, , .		0
128	In-Medium phenomena in Low Density Nuclear Matter. Journal of Physics: Conference Series, 2013, 420, 012086.	0.4	0
129	Performance of a double sided silicon strip detector as a transmission detector for heavy ions. Chinese Physics C, 2014, 38, 056202.	3.7	0
130	Shape analysis applied in heavy ion reactions near Fermi energy. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 035101.	3.6	0
131	Quasielastic scattering of ^{17}C from a carbon target at 40 MeV/nucleon. European Physical Journal A, 2018, 54, 1.	2.5	0
132	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