

# Ben-Wei Zhang

## List of Publications by Year in descending order

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56  
papers

1,778  
citations

361413

20  
h-index

276875

41  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2979  
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal distribution of initial energy density and directed flow of charged particles in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2022, 105, .	2.9	13
2	Quenching of jets tagged with $W$ bosons in high-energy nuclear collisions. <i>Physical Review C</i> , 2022, 105, .	3.9	3
3	Parton splitting scales of reclustered large-radius jets in high-energy nuclear collisions. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	4
4	Probing the initial longitudinal density profile and electromagnetic field in ultrarelativistic heavy-ion collisions with heavy quarks. <i>Physical Review C</i> , 2022, 105, .	2.9	11
5	Imaging nuclear modifications on parton distributions with triple-differential dijet cross sections in proton-nucleus collisions. <i>Physical Review D</i> , 2022, 105, .	4.7	2
6	Radial distribution of charm quarks in jets in high-energy heavy-ion collisions. <i>Nuclear Physics A</i> , 2021, 1005, 121787.	1.5	5
7	Medium modifications of girth distributions for inclusive jets and $Z$ + jets in relativistic heavy-ion collisions at the LHC *. <i>Chinese Physics C</i> , 2021, 45, 024102.	3.7	10
8	Global extraction of the jet transport coefficient in cold nuclear matter. <i>Physical Review D</i> , 2021, 103, .	4.7	15
9	Semi-inclusive jet functions and jet substructure in $J$ $E_T$ $T$ $I$ $Q$ $1$ $0.784314$ $rgBT$ /Overlock 10 Tf 50 417 Td		
10	Radial profile of bottom quarks in jets in high-energy nuclear collisions *. <i>Chinese Physics C</i> , 2021, 45, 064105.	3.7	6
11	Thermoelectric properties of the (an)-isotropic QGP in magnetic fields. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	5
12	The global geometrical property of jet events in high-energy nuclear collisions. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	5
13	In-medium effect on the thermodynamics and transport coefficients in the van der Waals hadron resonance gas. <i>Physical Review D</i> , 2020, 101, .	4.7	1
14	Jet charge in high-energy nuclear collisions *. <i>Chinese Physics C</i> , 2020, 44, 024103.	3.7	21
15	Two-loop HTL-resummed thermodynamics for $N = 4$ supersymmetric Yang-Mills theory. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	7
16	Transverse momentum balance and angular distribution of dijets in Pb + Pb collisions *. <i>Chinese Physics C</i> , 2020, 44, 104105.	3.7	12
17	NLO Productions of $\Omega$ and $K^0_{\text{S}}$ with a global extraction of the jet transport parameter in heavy-ion collisions. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	17
18	Diffusion of charm quarks in jets in high-energy heavy-ion collisions. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	21

#	ARTICLE	IF	CITATIONS
19	Jet tomography in high-energy nuclear collisions. EPJ Web of Conferences, 2019, 206, 04004.	0.3	3
20	Z+jet productions in heavy-ion collisions. Nuclear Physics A, 2019, 982, 599-602.	1.5	2
21	HIJING, a Heavy Ion Jet Interaction Generator for the High-Luminosity Era of the LHC and Beyond. Proceedings (mdpi), 2019, 10, .	0.2	2
22	Predictions for cold nuclear matter effects in p+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 972, 18-85.	1.5	43
23	Production of $\tilde{I}^0$ mesons with large pT at next-to-leading order in heavy-ion collisions. Physical Review C, 2018, 98, .	2.9	8
24	$Z$ +jet correlation with next-to-leading-order-matched parton-shower and jet-medium interaction in high-energy nuclear collisions. Physical Review C, 2018, 98, .	2.9	31
25	Probing cold nuclear matter effects with weak gauge boson production in ultra-relativistic heavy-ion collisions. Nuclear and Particle Physics Proceedings, 2017, 289-290, 197-200.	0.5	1
26	Productions of $\tilde{I}^+$ , $\tilde{I}^0$ and $\tilde{I}^-$ at large transverse momentum in Heavy ion Collisions. Nuclear and Particle Physics Proceedings, 2017, 289-290, 433-436.	0.5	1
27	Medium modification of averaged jet charge in heavy-ion collisions. Nuclear and Particle Physics Proceedings, 2017, 289-290, 448-451.	0.5	1
28	Chiral Phase Transition in Linear Sigma Model with Nonextensive Statistical Mechanics. Advances in High Energy Physics, 2017, 2017, 1-7.	1.1	12
29	Nuclear suppression of the $\phi$ meson yields with large $p_T$ at the RHIC and the LHC. European Physical Journal C, 2017, 77, 1.	3.9	10
30	Predictions for p+Pb Collisions at $\sqrt{s_{NN}} = 5$ TeV: Comparison with Data. International Journal of Modern Physics E, 2016, 25, 1630005.	1.0	29
31	Study of $W$ boson production in proton-lead collisions at the LHC with Kulagin-Petti nuclear parton distributions. Physical Review D, 2016, 94, .	4.7	15
32	Physics perspectives of heavy-ion collisions at very high energy. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	15
33	Quantifying jet transport properties via large $p_T$ hadron production. European Physical Journal C, 2016, 76, 1.	3.9	24
34	$\tilde{I}^+$ meson production of high-energy nuclear collisions at NLO. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 390-395.	4.1	20
35	Probing shadowed nuclear sea with massive gauge bosons in the future heavy-ion collisions. European Physical Journal C, 2015, 75, 1.	3.9	7
36	Centrality Dependence of Productions for Single Hadrons and Inclusive Jets in High-Energy p + A Collisions with NLO QCD. Communications in Theoretical Physics, 2015, 64, 95-102.	2.5	3

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37	Production of $Z^0$ and $W^+W^-$ in relativistic heavy-ion collisions at the LHC. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 085104.	3.6	14
38	Cold Nuclear Matter Effects on Isolated Prompt Photon and Isolated Prompt Photon+Jet Productions in Relativistic Heavy-Ion Collisions. Communications in Theoretical Physics, 2013, 59, 349-355.	2.5	10
39	Momentum Imbalance of Isolated Photon-Tagged Jet Production at RHIC and LHC. Physical Review Letters, 2013, 110, 142001.	7.8	89
40	PREDICTIONS FOR $p+Pb$ COLLISIONS AT $\sqrt{s_{NN}} = 5$ . International Journal of Modern Physics E, 2013, 22, 1330007.	1.0	165
41	Production of $Z^0$ and $W^+W^-$ in relativistic heavy-ion collisions at the LHC. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 085104.	4.1	108
42	Cold nuclear matter effects on dijet productions in relativistic heavy-ion reactions at LHC. European Physical Journal C, 2012, 72, 1.	3.9	16
43	A possible determination of the quark radiation length in cold nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 590-595.	4.1	52
44	Physics of $Z^0$ and $W^+W^-$ production in relativistic heavy-ion collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2011, 83, .	2.9	60
45	Photon radiation and dilepton production induced by rescattering in strong interacting medium. European Physical Journal C, 2010, 67, 445-454.	3.9	3
46	A study on the anomaly of $p_T$ ratios in Au + Au collisions with jet quenching. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 015004.	3.6	8
47	Jet Tomography of High-Energy Nucleus-Nucleus Collisions at Next-to-Leading Order. Physical Review Letters, 2010, 104, 132001.	7.8	109
48	Light-cone wave function approach to open heavy flavor dynamics in QCD matter. Physical Review C, 2009, 80, .	2.9	179
49	A systematic study of direct photon production in heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 669, 337-344.	4.1	49
50	A theory of jet shapes and cross sections: from hadrons to nuclei. Journal of High Energy Physics, 2008, 2008, 093-093.	4.7	110
51	Multiple parton scattering in nuclei: Quark-quark scattering. Nuclear Physics A, 2007, 793, 128-170.	1.5	30
52	Multiple parton scattering in nuclei: heavy quark energy loss and modified fragmentation functions. Nuclear Physics A, 2005, 757, 493-524.	1.5	31
53	JET QUENCHING OF MASSIVE QUARKS IN A NUCLEAR MEDIUM. , 2005, , .		1
54	Heavy Quark Energy Loss in a Nuclear Medium. Physical Review Letters, 2004, 93, 072301.	7.8	203

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55	JET QUENCHING AND RADIATIVE ENERGY LOSS IN DENSE NUCLEAR MATTER. , 2004, , 123-191.		63
56	Multiple parton scattering in nuclei: beyond helicity amplitude approximation. Nuclear Physics A, 2003, 720, 429-451.	1.5	92