Qingfeng Li Li

List of Publications by Year
in descending order

114	2,476	186265	223800
papers	citations	28 h-index	46 g-index

117	117	117	1887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Symmetry energy from elliptic flow in 197Au +197Au. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 471-476.	4.1	181
2	Results of the ASY-EOS experiment at GSI: The symmetry energy at suprasaturation density. Physical Review C, 2016, 94, .	2.9	176
3	Understanding transport simulations of heavy-ion collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>100</mml:mn><mml:mi>A</mml:mi></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>400</mml:mn><mml:mi>A</mml:mi></mml:mrow></mml:math>: Comparison of heavy-ion transport codes under controlled conditions. Physical Review C, 2016, 93, .	2.9	105
4	Comparison of heavy-ion transport simulations: Collision integral in a box. Physical Review C, 2018, 97, .	2.9	91
5	Probing the equation of state with pions. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 151-164.	3.6	88
6	Toward a model-independent constraint of the high-density dependence of the symmetry energy. Physical Review C, 2013, 88, .	2.9	75
7	Probing the density dependence of the symmetry potential at low and high densities. Physical Review C, 2005, 72, .	2.9	74
8	Directed and elliptic flow in heavy-ion collisions fromEbeam=90MeV/nucleon toEc.m.=200GeV/nucleon. Physical Review C, 2006, 74, .	2.9	68
9	Nonequilibrium dynamics in heavy-ion collisions at low energies available at the GSI Schwerionen Synchrotron. Physical Review C, 2011, 83, .	2.9	67
10	Medium modifications of the nucleonâ€“nucleon elastic cross section in neutron-rich intermediate energy HICs. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 407-415.	3.6	59
11	Probing the density dependence of the symmetry potential in intermediate-energy heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 1359-1374.	3.6	56
12	Î£â^'/Î£+ratio as a candidate for probing the density dependence of the symmetry potential at high nuclear densities. Physical Review C, 2005, 71, .	2.9	50
13	The effect of â€œpre-formedâ€•hadron potentials on the dynamics of heavy ion collisions and the HBT puzzle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 525-530.	4.1	46
14	Effects of a phase transition on HBT correlations in an integrated Boltzmann+hydrodynamics approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 111-116.	4.1	45
15	Fission mechanism of neutron-rich transuranium nuclei in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>238</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>238</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>collisions	2.9	45
16	Isospin dependence of nucleon-nucleon elastic cross section. Physical Review C, 2000, 62, .	2.9	44
17	Production of unknown neutron-rich isotopes in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mtext>U</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>238</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mspace width="0.16em" /><mml:mmultiscripts><mml:mtext>U</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>238</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>collisions at near-barrier energy. Physical Review C, 2016, 94, .	2.9	42
18	Collective flow of light particles in Au + Au collisions at intermediate energies. Physical Review C, 2014, 89, .	2.9	40

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19	Particle transfer and fusion cross-section for super-heavy nuclei in dinuclear system. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 1143-1155.	3.6	38
20	Comparison of heavy-ion transport simulations: Mean-field dynamics in a box. Physical Review C, 2021, 104, .	2.9	38
21	Determination of the nuclear incompressibility from the rapidity-dependent elliptic flow in heavy-ion collisions at beam energies 0.4Aâ€“1.0A GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 207-212.	4.1	37
22	Machine learning the nuclear mass. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	37
23	Constraining the high-density nuclear symmetry energy with the transverse-momentum-dependent elliptic flow. Physical Review C, 2014, 89, .	2.9	35
24	Examination of scaling of Hanbury-Brownâ€“Twiss radii with charged particle multiplicity. Physical Review C, 2012, 85, .	2.9	34
25	Progress of quantum molecular dynamics model and its applications in heavy ion collisions. Frontiers of Physics, 2020, 15, 1.	5.0	32
26	Deformation and orientation effects in the driving potential of the dinuclear model. European Physical Journal A, 2005, 24, 223-229.	2.5	31
27	Flow probe of symmetry energy in relativistic heavy-ion reactions. European Physical Journal A, 2014, 50, 1.	2.5	29
28	Probing the symmetry energy and the degree of isospin equilibrium. Physical Review C, 2006, 73, .	2.9	28
29	Differential neutronâ€“proton squeeze-out. Progress in Particle and Nuclear Physics, 2009, 62, 425-426.	14.4	26
30	Normal or abnormal isospin-fractionation as a qualitative probe of nuclear symmetry energy at supradensities. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 397-400.	4.1	26
31	Influence of the symmetry energy on the balance energy of the directed flow. Science China: Physics, Mechanics and Astronomy, 2012, 55, 252-259.	5.1	25
32	Application of artificial intelligence in the determination of impact parameter in heavy-ion collisions at intermediate energies. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 115104.	3.6	24
33	Density and temperature dependence of nucleon-nucleon elastic cross section. Physical Review C, 2004, 69, .	2.9	23
34	Probing equilibration with respect to isospin degree of freedom in intermediate energy heavy ion collisions. Physical Review C, 2001, 64, .	2.9	21
35	A model comparison of resonance lifetime modifications, a soft equation of state and non-Gaussian effects on Ï€â€“Ï€ correlations at FAIR/AGS energies. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 015111.	3.6	21
36	Ultrarelativistic quantum molecular dynamics calculations of two-pion Hanbury-Brownâ€“Twiss correlations in central Pb-Pb 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>N</mml:mi><mml:mi>N</mml:mi> Physical Review C, 2012, 85, .	2.9	21

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37	3H/3He ratio as a probe of the nuclear symmetry energy at sub-saturation densities. European Physical Journal A, 2015, 51, 1.	2.5	21
38	Application of microscopic transport model in the study of nuclear equation of state from heavy ion collisions at intermediate energies. Frontiers of Physics, 2020, 15, 1.	5.0	21
39	Transport model study of nuclear stopping in heavy-ion collisions over the energy range from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>0.09</mml:mn><mml:mi>A</mml:mi></mml:mrow></mml:math>to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>160</mml:mn><mml:mi>A</mml:mi></mml:mrow></mml:math>ÂGeV. Physical Review C, 2010, 81, .	2.9	20
40	Collective flow and nuclear stopping in heavy ion collisions in Fermi energy domain. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	19
41	Effects of the in-medium nucleon-nucleon cross section on collective flow and nuclear stopping in heavy-ion collisions in the Fermi-energy domain. Physical Review C, 2018, 97, .	2.9	19
42	Insights into the pion production mechanism and the symmetry energy at high density. Physical Review C, 2021, 103, .	2.9	19
43	Influence of the symmetry energy on the cone-azimuthal emission. Physical Review C, 2013, 88, .	2.9	18
44	Model dependence of isospin sensitive observables at high densities. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 211-217.	4.1	17
45	The isospin dependent nucleonâ€“nucleon inelastic cross section in the nuclear medium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 557-562.	4.1	17
46	The effect of symmetry potential on the balance energy of light particles emitted from mass symmetric heavy-ion collisions with isotopes, isobars and isotones. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2407-2413.	5.1	16
47	Transport model study of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi>m</mml:mi><mml:mi>T</mml:mi></mml:msub></mml:math>-scaling for Î›, K, and Ï€ HBT-correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 305-309.	4.1	15
48	Rapidity distribution of protons from the potential version of UrQMD model and the traditional coalescence afterburner. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	15
49	Study of the nuclear symmetry energy from the rapidity-dependent elliptic flow in heavy-ion collisions around 1 GeV/nucleon regime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135249.	4.1	15
50	Finding signatures of the nuclear symmetry energy in heavy-ion collisions with deep learning. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136669.	4.1	15
51	Isospin Effect on Nuclear Stopping in Intermediate Energy Heavy Ion Collisions. Chinese Physics Letters, 2002, 19, 321-323.	3.3	14
52	Transport model analysis of particle correlations in relativistic heavy ion collisions at femtometer scales. Physical Review C, 2006, 73, .	2.9	14
53	Fusion hindrance in reactions with very heavy ions: Border between normal and hindered fusion. Physical Review C, 2011, 83, .	2.9	14
54	Higher-multipole deformations and compactness of hot fusion reactions. Physical Review C, 2006, 74, .	2.9	13

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55	Analysis of the fusion hindrance in mass-symmetric heavy ion reactions. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 1458-1463.	0.2	13
56	Influence of differential elastic nucleon-nucleon cross section on stopping and collective flow in heavy-ion collisions at intermediate energies. Physical Review C, 2016, 94, .	2.9	13
57	Residue cross sections of 50Ti-induced fusion reactions based on the two-step model. European Physical Journal A, 2016, 52, 1.	2.5	13
58	Collective flows of pions in Au+Au collisions at energies 1.0 and 1.5 GeV/nucleon. Physical Review C, 2018, 97, .	2.9	13
59	Application of machine learning in the determination of impact parameter in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>132</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>124</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> system. Physical Review C, 2021, 104, .	2.9	13
60	THE SYMMETRY ENERGY IN NUCLEAR REACTIONS. International Journal of Modern Physics E, 2010, 19, 1653-1663.	1.0	12
61	The ASY-EOS experiment at GSI: investigating the symmetry energy at supra-saturation densities. Journal of Physics: Conference Series, 2013, 420, 012092.	0.4	12
62	The effect of Lorentz-like force on collective flows of K+ in Au+Au collisions at 1.5 GeV/nucleon. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	11
63	Accessing the in-medium effects on nucleon-nucleon elastic cross section with collective flows and nuclear stopping. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 828, 137019.	4.1	11
64	Transport model analysis of the transverse momentum and rapidity dependence of pion interferometry at SPS energies. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 537-548.	3.6	10
65	Pion freeze-out as seen through HBT correlations in heavy ion collisions from FAIR/AGS to RHIC energies. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2037-2044.	3.6	10
66	PROBING THE MOMENTUM-DEPENDENT MEDIUM MODIFICATIONS OF THE NUCLEONâ€“NUCLEON ELASTIC CROSS SECTION. Modern Physics Letters A, 2010, 25, 669-678.	1.2	10
67	THE ISOSPIN DISTRIBUTION OF FRAGMENTS IN REACTIONS 96Ru + 96Ru, 96Ru + 96Zr, 96Zr + 96Ru, and 96Zr + 96Zr AT BEAM ENERGY 400 AMeV. Modern Physics Letters A, 2002, 17, 375-385.	1.2	9
68	Helium-3 production from Pb+Pb collisions at SPS energies with the UrQMD model and the traditional coalescence afterburner. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	9
69	Cumulants of the baryon number from central Au+Au collision at Elab=1.23 GeV/nucleon reveal the nuclear mean-field potentials. Physical Review C, 2018, 98, .	2.9	9
70	Effect of internal magnetic field on collective flow in heavy ion collisions at intermediate energies. Physical Review C, 2019, 99, .	2.9	8
71	Proton correlations and apparent intermittency in the UrQMD model with hadronic potentials. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136393.	4.1	8
72	Nuclear interactions and net-proton number fluctuations in heavy ion collisions at the SIS18 accelerator. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 40-45.	4.1	7

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73	THE INFLUENCE OF RECONSTRUCTION CRITERIA ON THE SENSITIVE PROBES OF THE SYMMETRY POTENTIAL. Modern Physics Letters A, 2009, 24, 41-51.	1.2	6
74	PRODUCTION AND RESCATTERING OF STRANGE BARYONS AT ENERGIES AVAILABLE AT THE CERN SUPER PROTON SYNCHROTRON IN A TRANSPORT MODEL WITH HADRON POTENTIALS. Modern Physics Letters A, 2012, 27, 1250004.	1.2	6
75	Influence of coalescence parameters on the production of protons and Helium-3 fragments. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	6
76	Influence of the time-step on the production of free nucleons and pions from heavy-ion collisions around 1 GeV/nucleon. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	6
77	The density- and isospin-dependent Î”-formation cross section and its decay width. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	6
78	UrQMD calculations of two-pion HBT correlations in p+p and Pb+Pb collisions at LHC energies. Journal of Physics: Conference Series, 2013, 420, 012039.	0.4	5
79	An explanation of the elliptic flow difference between proton and anti-proton from the UrQMD model with hadron potentials. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	5
80	Effects of impact parameter filters on observables in heavy-ion collisions at INDRA energies. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 035108.	3.6	5
81	Nucleon effective mass splitting and density-dependent symmetry energy effects on elliptic flow in heavy ion collisions at Elab= 0.09 ~ 1.5 GeV/nucleon. Chinese Physics C, 2020, 44, 074103.	3.7	5
82	Re-visit N/Z Ratio of Free Nucleons from Collisions of Neutron-Rich Nuclei as a Probe of EoS of Asymmetric Nuclear Matter. Communications in Theoretical Physics, 2004, 41, 435-440.	2.5	4
83	Difficulties in probing density dependent symmetry potential with the HBT interferometry. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 1530-1535.	0.2	4
84	Formation time dependence of femtoscopic Ï€Ï€ correlations in p+p collisions at $sqrt{s_{NN}}$ = 7 TeV. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 065101.	3.6	4
85	Effect of the spin-orbit interaction on flows in heavy-ion collisions at intermediate energies. Physical Review C, 2014, 90, .	2.9	4
86	Beam energy dependence of cumulants of the net-baryon, net-charge, and deuteron multiplicity distributions in Au <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>+</mml:mo></mml:math> Au collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml	2.9	4
87	GeV. Physical Review C, 2020, 101, . Mass-splitting effect on flows in heavy-ion collisions in the Fermi-energy domain. Physical Review C, 2015, 91, .	2.9	3
88	An investigation of ab initio shell-model interactions derived by no-core shell model. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	3
89	Collisional broadening of angular correlations in a multiphase transport model. Nuclear Physics A, 2017, 966, 124-134.	1.5	3
90	Elliptic flow splitting between protons and antiprotons from hadronic potentials. Modern Physics Letters A, 2020, 35, 2050289.	1.2	3

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91	Quantifying the Effect of Initial Fluctuations on Isospin-Sensitive Observables from Heavy-Ion Collisions at Intermediate Energies. Symmetry, 2021, 13, 2172.	2.2	3
92	THE ROLE OF ISOVECTOR MESON EXCHANGES TO NUCLEONâ€“NUCLEON ELASTIC CROSS-SECTION. Modern Physics Letters A, 2003, 18, 2713-2723.	1.2	2
93	Fusion hindrance in the neck evolution of symmetric nuclear reactions. Science China: Physics, Mechanics and Astronomy, 2011, 54, 470-473.	5.1	2
94	System size dependence of the non-monotonous pion freeze-out volume excitation function. Open Physics, 2012, 10, .	1.7	2
95	The effect of inner magnetic field on collective flows from heavy-ion collisions at intermediate energies. Scientia Sinica: Physica, Mechanica Et Astronomica, 2014, 44, 921-926.	0.4	2
96	Probing equilibrium in intermediate energy heavy ion collisions. AIP Conference Proceedings, 2001, , .	0.4	1
97	HBT CORRELATION AS A PROBE OF EoS. International Journal of Modern Physics E, 2010, 19, 1577-1584.	1.0	1
98	The ASY-EOS experiment at GSI: investigating symmetry energy at supra-saturation densities. EPJ Web of Conferences, 2014, 66, 03074.	0.3	1
99	The influence of KN potential on the production of kaon mesons in heavy-ion collisions at intermediate energies. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 062002.	0.4	1
100	On the Coupling of Ï• Meson to Nucleons and Backward Ï• Production. Communications in Theoretical Physics, 2005, 43, 493-496.	2.5	0
101	HBT radii from the UrQMD transport approach at different energies. EPJ Web of Conferences, 2011, 13, 06003.	0.3	0
102	The ASY-EOS Experiment at GSI. EPJ Web of Conferences, 2016, 117, 07010.	0.3	0
103	Probing the Symmetry Term of the Nuclear Equation of State at High Baryonic Densities. Journal of Physics: Conference Series, 2017, 863, 012059.	0.4	0
104	Effect of collisional energy loss on particle correlations in AMPT. Nuclear and Particle Physics Proceedings, 2017, 289-290, 325-328.	0.5	0
105	The symmetry energy at suprasaturation density and the ASY-EOS experiment at GSI. EPJ Web of Conferences, 2017, 137, 09002.	0.3	0
106	Elliptic flow from Coulomb interaction and low density elastic scattering. Physical Review C, 2018, 97, .	2.9	0
107	Mean-field potential effects in the cumulants of baryons from central Au+Au collision at Elab= 1.23 GeV/nucleon. AIP Conference Proceedings, 2019, , .	0.4	0
108	Analysis of the dynamical mechanism for elliptic flow production in heavy-ion collisions at intermediate energies. Scientia Sinica: Physica, Mechanica Et Astronomica, 2021, 51, 082011.	0.4	0

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109	Effects of nuclear deformation in U$+$U collisions at the intermediate energy. Scientia Sinica: Physica, Mechanica Et Astronomica, 2021, 51, 112011.	0.4	0
110	Pion freeze-out as seen through HBT correlations in HICs from FAIR/AGS to RHIC energies. , 2008, , .		0
111	NUCLEAR STOPPING AND EQUATION OF STATE. , 2011, , .		0
112	The symmetry energy at high density: new experimental results. , 2012, , .		0
113	INITIAL ISOSPIN AND SYMMETRY ENERGY EFFECTS ON THE BALANCE ENERGY FROM MASS-SYMMETRIC HEAVY-ION COLLISIONS. , 2013, , .		0
114	UrQMD CALCULATIONS OF HBT CORRELATIONS IN CENTRAL HEAVY-ION COLLISIONS AT LHC. , 2013, , .		0