

Wei-Liang Qian

List of Publications by Year in descending order

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95
papers

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citations

430843

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477281

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95
all docs

95
docs citations

95
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Topology Studies of Hydrodynamics Using Two-Particle Correlation Analysis. Physical Review Letters, 2009, 103, 242301.	7.8	178
2	Importance of Granular Structure in the Initial Conditions for the Elliptic Flow. Physical Review Letters, 2008, 101, 112301.	7.8	85
3	A matrix method for quasinormal modes: Schwarzschild black holes in asymptotically flat and (anti-) de Sitter spacetimes. Classical and Quantum Gravity, 2017, 34, 095004.	4.0	40
4	A closer look at the influence of tubular initial conditions on two-particle correlations. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094043.	3.6	35
5	Isospin dependence of liquid-gas phase transition in hot asymmetric nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 491, 90-95.	4.1	27
6	NeXSPheRIO results on elliptic-flow fluctuations at RHIC. Physics of Atomic Nuclei, 2008, 71, 1558-1564.	0.4	27
7	Neutral regular black hole solution in generalized Rastall gravity *. Chinese Physics C, 2019, 43, 083106.	3.7	27
8	A matrix method for quasinormal modes: Kerr and Kerr-Sen black holes. Modern Physics Letters A, 2017, 32, 1750134.	1.2	26
9	Improved quark mass density-dependent model with quark and nonlinear scalar field coupling. Physical Review C, 2005, 72, .	2.9	24
10	Temporal evolution of tubular initial conditions and their influence on two-particle correlations in relativistic nuclear collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 226-230.	4.1	24
11	Decomposition of fluctuating initial conditions and flow harmonics. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 015103.	3.6	21
12	Effect of stochastic transition in the fundamental diagram of traffic flow. Transportation Research Part B: Methodological, 2016, 87, 1-13.	5.9	21
13	Cosmic evolution of dark energy in a generalized Rastall gravity. European Physical Journal C, 2020, 80, 1.	3.9	21
14	Effect of Process Parameters in Copper-Wire Drawing. Metals, 2020, 10, 105.	2.3	21
15	EFFECT OF CHEMICAL FREEZE OUT ON IDENTIFIED PARTICLE SPECTRA AT 200 AGeV Au-Au COLLISIONS AT RHIC USING SPheRIO. International Journal of Modern Physics E, 2007, 16, 1877-1882.	1.0	20
16	Strange hadronic matter with a weak Υ - Υ interaction. Physical Review C, 2003, 68, .	2.9	19
17	Origin of trigger-angle dependence of di-hadron correlations. Physical Review C, 2013, 87, .	2.9	19
18	Higher dimensional power-Maxwell charged black holes in Einstein and Rastall gravity. General Relativity and Gravitation, 2019, 51, 1.	2.0	19

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19	Warm strange hadronic matter in an effective model with a weak Υ - Υ interaction. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, 1893-1903.	3.6	18
20	Hydrodynamics: Fluctuating initial conditions and two-particle correlations. Nuclear Physics A, 2011, 854, 81-88.	1.5	18
21	The matrix method for black hole quasinormal modes. Chinese Physics C, 2019, 43, 035105.	3.7	18
22	Asymptotical quasinormal mode spectrum for piecewise approximate effective potential. Physical Review D, 2021, 103, .	4.7	18
23	Alternative mechanism for black hole echoes. Physical Review D, 2021, 104, .	4.7	18
24	(Anti-) de Sitter electrically charged black-hole solutions in higher-derivative gravity. Europhysics Letters, 2016, 114, 60006.	2.0	17
25	Improved density-dependent quark mass model with quark- \bar{f} meson and quark- \bar{g} meson couplings. Physical Review C, 2008, 77, .	2.9	16
26	Distribution of hyperons in 200A GeV Au-Au in smoothed particle hydrodynamics. Brazilian Journal of Physics, 2007, 37, 767-769.	1.4	15
27	Sensitivity functions of spaceborne gravitational wave detectors for arbitrary time-delay interferometry combinations. Physical Review D, 2021, 103, .	4.7	15
28	A Maxwell-vector p-wave holographic superconductor in a particular background AdS black hole metric. Nuclear Physics B, 2018, 930, 255-269.	2.5	14
29	Charged Einstein- Λ black holes in n-dimensional spacetime. International Journal of Modern Physics D, 2019, 28, 1950049.	2.1	14
30	Scalar quasinormal modes of anti-de Sitter static spacetime in Horava-Lifshitz gravity with $U(1)$ symmetry. Physical Review D, 2016, 94, .	4.7	13
31	Holographic p-wave superfluid with Weyl corrections. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	12
32	Scalar quasinormal modes of nonlinear charged black holes in Rastall gravity. Europhysics Letters, 2019, 128, 50006.	2.0	11
33	Cuspy and fractured black hole shadows in a toy model with axisymmetry. European Physical Journal C, 2022, 82, 1.	3.9	11
34	The effect of surface and Coulomb interaction on the liquid-gas phase transition of finite nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 520, 217-221.	4.1	10
35	Quasinormal modes for the Vaidya metric in asymptotically anti-de Sitter spacetime. Physical Review D, 2019, 100, .	4.7	10
36	Sensitivity functions of space-borne gravitational wave detectors for arbitrary time-delay interferometry combinations regarding nontensorial polarizations. Physical Review D, 2021, 104, .	4.7	10

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37	Refined clock-jitter reduction in the Sagnac-type time-delay interferometry combinations. <i>Physical Review D</i> , 2021, 104, .	4.7	10
38	Shadows of magnetically charged rotating black holes surrounded by quintessence *. <i>Chinese Physics C</i> , 2022, 46, 065103.	3.7	10
39	Numerical study of the density of states for the bag model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2001, 27, 2241-2250.	3.6	9
40	Dynamical capacity drop in a nonlinear stochastic traffic model. <i>Transportation Research Part B: Methodological</i> , 2017, 105, 328-339.	5.9	9
41	Hydrodynamic approach to the centrality dependence of di-hadron correlations. <i>Physical Review C</i> , 2017, 95, .	2.9	9
42	Event-plane dependent di-hadron correlations with harmonic v subtraction in a hydrodynamic model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 777, 369-373.	4.1	9
43	Dirac quasinormal modes of power-Maxwell charged black holes in Rastall gravity. <i>Modern Physics Letters A</i> , 2020, 35, 2050193.	1.2	9
44	Holographic p-wave superfluid in the AdS soliton background with RF2 corrections. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 802, 135216.	4.1	9
45	Gravitational Waves in Scalar-Tensor-Vector Gravity Theory. <i>Universe</i> , 2021, 7, 9.	2.5	9
46	On quasinormal frequencies of black hole perturbations with an external source. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	9
47	Liquid-gas phase transition in strange hadronic matter. <i>Physical Review C</i> , 2004, 70, .	2.9	8
48	A mesoscopic approach on stability and phase transition between different traffic flow states. <i>International Journal of Non-Linear Mechanics</i> , 2017, 89, 59-68.	2.6	8
49	Two-particle correlations at high-energy nuclear collisions, peripheral-tube model revisited. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 015104.	3.6	8
50	Liquid-gas phase transition in strange hadronic matter with weak Y-Y interaction. <i>Physical Review C</i> , 2006, 73, .	2.9	7
51	On the peripheral tube description of the two-particle correlations in nuclear collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 035103.	3.6	7
52	Further Results on Peripheral-tube Model for Ridge Correlation. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2013, 6, 513.	0.1	7
53	Geometric approach for the modified second generation time delay interferometry. <i>Physical Review D</i> , 2022, 106, .	4.7	7
54	Liquid-gas phase transition in a two-component isospin lattice gas model for asymmetric nuclear matter. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2003, 29, 1023-1030.	3.6	6

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55	Improved Quark Mass Density-Dependent Model with Non-Linear Scalar Interaction. Chinese Physics Letters, 2005, 22, 1866-1869.	3.3	6
56	A Quasiparticle Equation of State with a Phenomenological Critical Point. Brazilian Journal of Physics, 2018, 48, 160-167.	1.4	6
57	Influence of density dependence of NN-coupling on the liquid-gas phase transition in warm asymmetric nuclear matter. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 379-395.	3.6	5
58	Hot Strange Hadronic Matter in an Effective Model. Communications in Theoretical Physics, 2003, 40, 466-472.	2.5	5
59	A QUARK MESON COUPLING MODEL WITH DENSITY- AND TEMPERATURE-DEPENDENT QUARK MASSES. International Journal of Modern Physics A, 2005, 20, 1931-1934.	1.5	5
60	NEUTRON STARS WITH KAON CONDENSATION IN RELATIVISTIC EFFECTIVE MODEL. International Journal of Modern Physics E, 2013, 22, 1350026.	1.0	5
61	Gravitational Quasinormal Modes of Regular Phantom Black Hole. Advances in High Energy Physics, 2017, 2017, 1-19.	1.1	5
62	Effects of equation of state on hydrodynamic expansion, spectra, flow harmonics and two-pion interferometry. International Journal of Modern Physics E, 2018, 27, 1850058.	1.0	5
63	On nonlinearity in hydrodynamic response to the initial geometry in relativistic heavy-ion collisions. European Physical Journal A, 2020, 56, 1.	2.5	5
64	Quasinormal modes in two-photon autocorrelation and the geometric-optics approximation. European Physical Journal C, 2022, 82, 1.	3.9	5
65	On the Origin of the Trigger-Angle Dependence of the Ridge Structure. Progress of Theoretical Physics Supplement, 2012, 193, 167-171.	0.1	4
66	Deformed even-even nuclei in a quark-meson coupling model with tensor coupling. European Physical Journal A, 2013, 49, 1.	2.5	4
67	Influence of tubular initial conditions on two-particle correlations. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124123.	3.6	3
68	Strange baryonic matter and Λ hypernuclei in the improved quark mass density-dependent model. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 075107.	3.6	3
69	A Derivation of the Entropy-Based Relativistic Smoothed Particle Hydrodynamics by Variational Principle. Communications in Theoretical Physics, 2017, 68, 382.	2.5	3
70	Analysis of s-wave, p-wave and d-wave holographic superconductors in Hořava-Lifshitz gravity. Modern Physics Letters A, 2018, 33, 1850147.	1.2	3
71	Hydrodynamic results on multiplicity fluctuations in heavy-ion collisions. Physical Review C, 2020, 101, .	2.9	3
72	Quasinormal oscillations and late-time tail of massless scalar perturbations of a magnetized black hole in Rastall gravity*. Chinese Physics C, 2022, 46, 105103.	3.7	3

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73	Ellis drainhole solution in Einstein-Ä†ther gravity and the axial gravitational quasinormal modes. European Physical Journal C, 2022, 82, .	3.9	3
74	Cosmological-model-independent tests of cosmic distance duality relation with Type Ia supernovae and radio quasars. Chinese Journal of Physics, 2022, 78, 297-307.	3.9	3
75	NeXSPheRIO results on elliptic flow and directed flow for Au+Au and Cu+Cu collisions at RHIC. Indian Journal of Physics, 2010, 84, 1657-1661.	1.8	2
76	Quark deconfinement phase transition in nuclear matter for improved quark mass density-dependent model. Europhysics Letters, 2012, 98, 21001.	2.0	2
77	Dynamics of kaonic nuclei in an improved quark mass density-dependent model. European Physical Journal A, 2015, 51, 1.	2.5	2
78	Centrality and transverse momentum dependence of dihadron correlations in a hydrodynamic model. Nuclear Physics A, 2018, 974, 35-44.	1.5	2
79	Thermodynamical consistency of quasiparticle model at finite baryon density. Physical Review C, 2019, 100, .	2.9	2
80	On the Boundary Condition and Related Instability in the Smoothed Particle Hydrodynamics. Communications in Theoretical Physics, 2019, 71, 1281.	2.5	2
81	Tail wavelets in merger of binary compact objects *. Chinese Physics C, 2020, 44, 071001.	3.7	2
82	Centrality Dependence of Multiplicity Fluctuations from a Hydrodynamical Approach. Advances in High Energy Physics, 2020, 2020, 1-7.	1.1	2
83	Liquid-Ä†Gas Phase Transition for Asymmetric Nuclear Matter in the Zimanyi-Ä†Moszkowski Model. Chinese Physics Letters, 2004, 21, 1240-1242.	3.3	1
84	A stochastic approach to the flow-concentration curve in traffic flow theory. Transportation Research Procedia, 2017, 25, 1227-1237.	1.5	1
85	p-Wave holographic superconductor in scalar hairy black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 219-227.	4.1	1
86	Status and promise of particle interferometry in heavy-ion collisions. Brazilian Journal of Physics, 2007, 37, xxxi-xxxiv.	1.4	1
87	Fluctuating initial conditions in hydrodynamics for two-particle correlations. , 2011, , .		1
88	NeXSPheRIO results on azimuthal anisotropy in Au-Ä†Au collisions at 200A GeV. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 064075.	3.6	0
89	The ridge as a shadowing effect in hydrodynamics. Physics of Particles and Nuclei Letters, 2011, 8, 947-950.	0.4	0
90	Effective nucleon mass and thermodynamics in the quark-meson coupling model. Physical Review C, 2012, 86, .	2.9	0

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91	Quasinormal Modes of the Planar Black Holes of a Particular Lovelock Theory. Communications in Theoretical Physics, 2018, 70, 689.	2.5	0
92	Hawking radiation received at infinity in higher dimensional Reissner-Nordström black hole spacetimes *. Chinese Physics C, 2021, 45, 085101.	3.7	0
93	Boost-invariant one-tube model for two-particle correlation. , 2011, , .		0
94	Trying to understand the in-plane/out-of-plane effect in long-range correlations. , 2012, , .		0
95	Scalar and Dirac quasinormal modes of the scalar-tensor-Gauss-Bonnet black holes. Chinese Physics C, 0, , .	3.7	0