Taesoo Song

List of Publications by Year in descending order

45 papers	1,406 citations	331670 21 h-index	330143 37 g-index
45 all docs	45 docs citations	45 times ranked	1228 citing authors

#	Article	IF	Citations
1	Tomography of the quark-gluon plasma by charm quarks. Physical Review C, 2015, 92, .	2.9	114
2	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
3	Exotic hadrons from heavy ion collisions. Progress in Particle and Nuclear Physics, 2017, 95, 279-322.	14.4	104
4	Charm production in PbÂ+ÂPb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	2.9	92
5	Comparison of heavy-ion transport simulations: Collision integral in a box. Physical Review C, 2018, 97, .	2.9	91
6	Toward the determination of heavy-quark transport coefficients in quark-gluon plasma. Physical Review C, 2019, 99, .	2.9	81
7	Modifications of the pion-production threshold in the nuclear medium in heavy ion collisions and the nuclear symmetry energy. Physical Review C, 2015, 91, .	2.9	60
8	Comparison of heavy-ion transport simulations: Collision integral with pions and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Î”</mml:mi></mml:math> resonances in a box. Physical Review C, 2019, 100, .	2.9	60
9	Elliptic Flow Splitting as a Probe of the QCD Phase Structure at Finite Baryon Chemical Potential. Physical Review Letters, 2014, 112, 012301.	7.8	56
10	Transport model comparison studies of intermediate-energy heavy-ion collisions. Progress in Particle and Nuclear Physics, 2022, 125, 103962.	14.4	55
11	Widths of quarkonia in quark gluon plasma. Physical Review C, 2007, 76, .	2.9	43
12	Exploring the partonic phase at finite chemical potential within an extended off-shell transport approach. Physical Review C, 2019, 100, .	2.9	40
13	Comparison of heavy-ion transport simulations: Mean-field dynamics in a box. Physical Review C, 2021, 104, .	2.9	38
14	Resolving discrepancies in the estimation of heavy quark transport coefficients in relativistic heavy-ion collisions. Physical Review C, 2019, 99, .	2.9	36
15	Bottomonia suppression in relativistic heavy-ion collisions. Physical Review C, 2012, 85, .	2.9	34
16	Charmonium production in relativistic heavy-ion collisions. Physical Review C, 2011, 84, .	2.9	33
17	Partonic mean-field effects on matter and antimatter elliptic flows. Nuclear Physics A, 2014, 928, 234-246.	1.5	33
18	The thermal width of heavy quarkonia moving in quarkâ€“gluon plasma. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 621-627.	4.1	28

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19	J/ĩ^production and elliptic flow in relativistic heavy-ion collisions. Physical Review C, 2011, 83, .	2.9	27
20	Hadronic effects on the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>c</mml:mi><mml:mi>c</mml:mi><mml:mover accent="true"><mml:mi>q</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mover accent="true"><mml:mi>q</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:mrow></mml:math> tetraquark state in relativistic heavy ion collisions. Physical Review C, 2018, 98, .	2.9	22
21	Free energy versus internal energy potential for heavy-quark systems at finite temperature. Physical Review D, 2014, 89, .	4.7	21
22	RAAofJ/ĩ^near midrapidity in heavy ion collisions atsNN=200GeV. Physical Review C, 2010, 81, .	2.9	20
23	In-medium effects in strangeness production in heavy-ion collisions at (sub)threshold energies. Physical Review C, 2021, 103, .	2.9	20
24	Charmonium production from nonequilibrium charm and anticharm quarks in quark-gluon plasma. Physical Review C, 2012, 85, .	2.9	19
25	Exploring non-equilibrium quark-gluon plasma effects on charm transport coefficients. Physical Review C, 2020, 101, .	2.9	18
26	Open charm and dileptons from relativistic heavy-ion collisions. Physical Review C, 2018, 97, .	2.9	17
27	Single electrons from heavy-flavor mesons in relativistic heavy-ion collisions. Physical Review C, 2017, 96, .	2.9	14
28	QCD sum rule for open strange meson <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msubsup><mml:mrow><mml:mi>K</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msubsup></mml:math> in nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 160-169.	4.1	14
29	Traces of nonequilibrium dynamics in relativistic heavy-ion collisions. Physical Review C, 2017, 96, .	2.9	13
30	Comparison of heavy ion transport simulations: Ag + Ag collisions at E _{lab} = 1.58A GeV. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 055108.	3.6	12
31	Quarkonium formation time in relativistic heavy-ion collisions. Physical Review C, 2015, 91, .	2.9	11
32	Quarkonium formation time in quark-gluon plasma. Physical Review C, 2013, 87, .	2.9	10
33	Flow of heavy flavor in hydrodynamics for relativistic heavy ion collisions. Physical Review C, 2011, 84, .	2.9	8
34	Effects of initial fluctuations on bottomonia suppression in relativistic heavy-ion collisions. Nuclear Physics A, 2013, 897, 141-150.	1.5	8
35	Charmonia formation in quark-gluon plasma. Physical Review C, 2014, 89, .	2.9	8
36	Hadronization time of heavy quarks in nuclear matter. Physical Review C, 2016, 94, .	2.9	8

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37	Production of primordial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>J</mml:mi><mml:mo>/</mml:mo><mml:mi>Ï^</mml:mi> in relativistic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi> and heavy-ion collisions. Physical Review C, 2017, 96, .	2.9	8
38	Traces of nonequilibrium effects, initial condition, bulk dynamics, and elementary collisions in the charm observables. Physical Review C, 2020, 101, .	2.9	6
39	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>D</mml:mi></mml:math> meson mass and heavy quark potential at finite temperature. Physical Review D, 2020, 101, .	4.7	6
40	Exploring jet transport coefficients by elastic scattering in the strongly interacting quark-gluon plasma. Physical Review C, 2022, 106, .	2.9	5
41	Discrepancy in low transverse momentum dileptons from relativistic heavy-ion collisions. Physical Review C, 2018, 98, .	2.9	4
42	J/Ï^ near T. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136065.	4.1	3
43	K1/KâŽ enhancement as a signature of chiral symmetry restoration in heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136388.	4.1	1
44	Free energy versus internal energy potential for heavy quark systems at finite temperature. Nuclear Physics A, 2014, 931, 607-611.	1.5	0
45	In-medium effects in strangeness production in heavy-ion collisions at (sub-) threshold energies. EPJ Web of Conferences, 2022, 259, 13002.	0.3	0