

# Che Ming Ko

## List of Publications by Year in descending order

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93  
papers

6,111  
citations

109321

35  
h-index

66911

78  
g-index

93  
all docs

93  
docs citations

93  
times ranked

3342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress and new challenges in isospin physics with heavy-ion reactions. Physics Reports, 2008, 464, 113-281.	25.6	1,127
2	Multiphase transport model for relativistic heavy ion collisions. Physical Review C, 2005, 72, .	2.9	1,020
3	Formation of superdense hadronic matter in high energy heavy-ion collisions. Physical Review C, 1995, 52, 2037-2063.	2.9	403
4	Nuclear matter symmetry energy and the neutron skin thickness of heavy nuclei. Physical Review C, 2005, 72, .	2.9	262
5	Density slope of the nuclear symmetry energy from the neutron skin thickness of heavy nuclei. Physical Review C, 2010, 82, .	2.9	217
6	Higher-order effects on the incompressibility of isospin asymmetric nuclear matter. Physical Review C, 2009, 80, .	2.9	163
7	Isospin-dependent properties of asymmetric nuclear matter in relativistic mean field models. Physical Review C, 2007, 76, .	2.9	122
8	Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV: hyperon polarization in a multiphase transport model. Physical Review C, 2011, 83, .	2.9	112
9	Exotic hadrons in heavy ion collisions. Physical Review C, 2011, 84, .	2.9	110
10	Exotic hadrons from heavy ion collisions. Progress in Particle and Nuclear Physics, 2017, 95, 279-322.	14.4	104
11	Hyperon polarization in relativistic heavy ion collisions from a chiral kinetic approach. Physical Review C, 2017, 96, .	2.9	89
12	$\Lambda$ and $\Sigma$ production in relativistic heavy-ion collisions in a dynamical quark coalescence model. Physical Review C, 2006, 73, .	2.9	83
13	Ratios of heavy baryons to heavy mesons in relativistic nucleus-nucleus collisions. Physical Review C, 2009, 79, .	2.9	82
14	Triangular flow in heavy ion collisions in a multiphase transport model. Physical Review C, 2011, 84, .	2.9	76
15	Probing QCD critical fluctuations from light nuclei production in relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 103-107.	4.1	75
16	Light nuclei production as a probe of the QCD phase diagram. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 499-504.	4.1	74
17	PROPERTIES OF HADRONS IN THE NUCLEAR MEDIUM. Annual Review of Nuclear and Particle Science, 1997, 47, 505-539.	10.2	71
18	Effects of momentum-dependent nuclear potential on two-nucleon correlation functions and light cluster production in intermediate energy heavy-ion collisions. Physical Review C, 2004, 69, .	2.9	71

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19	Charmonium mass in nuclear matter. <i>Physical Review C</i> , 2003, 67, .	2.9	69
20	Nucleon and $\Lambda^*$ resonances in $K^*(1385)$ photoproduction from nucleons. <i>Physical Review C</i> , 2008, 77, .	2.9	65
21	Suppression of light nuclei production in collisions of small systems at the Large Hadron Collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 792, 132-137.	4.1	62
22	Effects of triangular flow on di-hadron azimuthal correlations in relativistic heavy ion collisions. <i>Physical Review C</i> , 2011, 83, .	2.9	60
23	Modifications of the pion-production threshold in the nuclear medium in heavy ion collisions and the nuclear symmetry energy. <i>Physical Review C</i> , 2015, 91, .	2.9	60
24	Comparison of heavy-ion transport simulations: Collision integral with pions and $\Lambda^*$ resonances in a box. <i>Physical Review C</i> , 2019, 100, .	2.9	60
25	Spin Polarizations in a Covariant Angular-Momentum-Conserved Chiral Transport Model. <i>Physical Review Letters</i> , 2020, 125, 062301.	7.8	59
26	Elliptic Flow Splitting as a Probe of the QCD Phase Structure at Finite Baryon Chemical Potential. <i>Physical Review Letters</i> , 2014, 112, 012301.	7.8	56
27	Light (anti-)nuclei production and flow in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2015, 92, .	2.9	56
28	Deuteron production and elliptic flow in relativistic heavy ion collisions. <i>Physical Review C</i> , 2009, 80, .	2.9	53
29	Effects of hadronic potentials on elliptic flows in relativistic heavy ion collisions. <i>Physical Review C</i> , 2012, 85, .	2.9	53
30	Charmed exotics in heavy ion collisions. <i>European Physical Journal C</i> , 2008, 54, 259-265.	3.9	50
31	Azimuthal angle dependence of the longitudinal spin polarization in relativistic heavy ion collisions. <i>Physical Review C</i> , 2019, 99, .	2.9	43
32	Medium effects on pion production in heavy ion collisions. <i>Physical Review C</i> , 2017, 95, .	2.9	40
33	Higher-order anisotropic flows and dihadron correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and $4.76$ TeV in a multiphase transport model. <i>Physical Review C</i> , 2011, 84, .	2.9	39
34	Jet fragmentation via recombination of parton showers. <i>Physical Review C</i> , 2016, 93, .	2.9	38
35	Probing isospin- and momentum-dependent nuclear effective interactions in neutron-rich matter. <i>European Physical Journal A</i> , 2014, 50, 1.	2.5	37
36	Contributions of hyperon-hyperon scattering to subthreshold cascade production in heavy ion collisions. <i>Physical Review C</i> , 2012, 85, .	2.9	35

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37	Anomalous transport model study of chiral magnetic effects in heavy ion collisions. Physical Review C, 2016, 94, .	2.9	35
38	Isospin- and momentum-dependent effective interactions for the baryon octet and the properties of hybrid stars. Physical Review C, 2010, 81, .	2.9	34
39	Bottomonia suppression in relativistic heavy-ion collisions. Physical Review C, 2012, 85, .	2.9	34
40	Spectra and flow of light nuclei in relativistic heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. Physical Review C, 2018, 98, .	2.9	34
41	Probing the Partonic Degrees of Freedom in High-Multiplicity $p$ -Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2020, 125, 072301.	7.8	34
42	Charmonium production in relativistic heavy-ion collisions. Physical Review C, 2011, 84, .	2.9	33
43	Partonic mean-field effects on matter and antimatter elliptic flows. Nuclear Physics A, 2014, 928, 234-246.	1.5	33
44	Probing the nuclear symmetry energy with heavy-ion reactions induced by neutron-rich nuclei. Frontiers of Physics in China, 2007, 2, 327-357.	1.0	32
45	Energy dependence of pion in-medium effects on the $\bar{K}^0$ production in heavy-ion collisions. Physical Review C, 2013, 87, .	2.9	32
46	High-energy behavior of the nuclear symmetry potential in asymmetric nuclear matter. Physical Review C, 2005, 72, .	2.9	31
47	Chiral kinetic approach to the chiral magnetic effect in isobaric collisions. Physical Review C, 2018, 98, .	2.9	31
48	$J/\psi$ production and elliptic flow in relativistic heavy-ion collisions. Physical Review C, 2011, 83, .	2.9	27
49	Beam-energy dependence of the production of light nuclei in Au + Au collisions. Physical Review C, 2020, 102, .	2.9	26
50	Isospin-dependent pion in-medium effects on the charged-pion ratio in heavy ion collisions. Physical Review C, 2010, 81, .	2.9	25
51	Light nuclei production in a multiphase transport model for relativistic heavy ion collisions. Physical Review C, 2021, 103, .	2.9	25
52	Nuclear symmetry potential in the relativistic impulse approximation. Physical Review C, 2006, 74, .	2.9	24
53	Chiral vortical and magnetic effects in the anomalous transport model. Physical Review C, 2017, 95, .	2.9	24
54	Multiplicity scaling of light nuclei production in relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136571.	4.1	24

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55	Elliptic flow of deuterons in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2007, 76, .	2.9	22
56	Free energy versus internal energy potential for heavy-quark systems at finite temperature. <i>Physical Review D</i> , 2014, 89, .	4.7	21
57	Density matrix expansion for the isospin- and momentum-dependent MDI interaction. <i>Physical Review C</i> , 2010, 82, .	2.9	19
58	Charmonium production from nonequilibrium charm and anticharm quarks in quark-gluon plasma. <i>Physical Review C</i> , 2012, 85, .	2.9	19
59	Spinodal instabilities of baryon-rich quark matter in heavy ion collisions. <i>Physical Review C</i> , 2017, 95, .	2.9	18
60	Chemical freeze-out in relativistic heavy-ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 290-293.	4.1	18
61	Elliptic flow of light nuclei. <i>Physical Review C</i> , 2017, 95, .	2.9	17
62	Spinodal instabilities of baryon-rich quark-gluon plasma in the Polyakovâ€“Nambuâ€“Jona-Lasinio model. <i>Physical Review C</i> , 2016, 93, .	2.9	16
63	Effects of energy conservation on equilibrium properties of hot asymmetric nuclear matter. <i>Physical Review C</i> , 2018, 97, .	2.9	16
64	Evolution of $\langle \hat{\rho} \rangle$ polarization in the hadronic phase of heavy-ion collisions. <i>Physical Review C</i> , 2022, 105, .	2.9	16
65	Anisotropic flow in Cu+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2006, 73, .	2.9	15
66	Collision energy dependence of elliptic flow splitting between particles and their antiparticles from an extended multiphase transport model. <i>Physical Review C</i> , 2016, 94, .	2.9	14
67	Constraining the in-medium nucleon-nucleon cross section from the width of nuclear giant dipole resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 807, 135532.	4.1	14
68	Density fluctuations in baryon-rich quark matter. <i>Nuclear Science and Techniques/Hewuli</i> , 2016, 27, 1.	3.4	13
69	Enhanced production of strange baryons in high-energy nuclear collisions from a multiphase transport model. <i>Physical Review C</i> , 2020, 102, .	2.9	12
70	Effects of QCD critical point on light nuclei production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 816, 136258.	4.1	12
71	Dilepton production in schematic causal viscous hydrodynamics. <i>Physical Review C</i> , 2011, 83, .	2.9	11
72	Quarkonium formation time in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2015, 91, .	2.9	11

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73	Transition density and pressure in hot neutron stars. <i>Physical Review C</i> , 2010, 81, .	2.9	10
74	Quarkonium formation time in quark-gluon plasma. <i>Physical Review C</i> , 2013, 87, .	2.9	10
75	Yield ratio of hypertriton to light nuclei in heavy-ion collisions from $\sqrt{s_{NN}} = 4.9$ GeV to 2.76 TeV *. <i>Chinese Physics C</i> , 2020, 44, 114001.	3.7	10
76	Nuclear matter properties at finite temperatures from effective interactions. <i>Physical Review C</i> , 2019, 100, .	2.9	9
77	Probing QCD critical fluctuations from the yield ratio of strange hadrons in relativistic heavy-ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 801, 135177.	4.1	9
78	Properties of strange quark stars with isovector interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135343.	4.1	9
79	Light nuclei production in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ s N N = 2 .. <i>European Physical Journal A</i> , 2018, 54, 1.	2.5	7
80	Enhanced yield ratio of light nuclei in heavy ion collisions with a first-order chiral phase transition. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	6
81	Gluon dissociation of $J/\psi$ beyond the dipole approximation. <i>Physical Review C</i> , 2013, 88, .	2.9	5
82	Constraining the EOS of Neutron-Rich Nuclear Matter and Properties of Neutron Stars with Heavy-Ion Reactions. , 2009, , .		4
83	Effects of initial-state fluctuations on jet-energy loss. <i>Physical Review C</i> , 2013, 87, .	2.9	4
84	Nuclear modification factor of nonphotonic electrons in heavy-ion collisions, and the heavy-flavor baryon-to-meson ratio. <i>Physical Review C</i> , 2009, 79, .	2.9	2
85	Quarkonia production in heavy ion collisions. <i>Nuclear Physics A</i> , 2013, 910-911, 474-477.	1.5	2
86	Probing the topological charge in QCD matter via multiplicity up-down asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 789, 228-232.	4.1	2
87	Transport Model Study of HBT at RHIC. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	1
88	Exotics from Heavy Ion Collisions. , 2011, , .		1
89	Charmonium production in relativistic heavy-ion collisions. , 0, .		1
90	Elliptic flow splittings in the Polyakov-Nambu-Jona-Lasinio transport model. <i>Physical Review C</i> , 2021, 104, .	2.9	1

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91	Strangeness equilibration in heavy ion collisions. AIP Conference Proceedings, 2001, , .	0.4	0
92	Progress towards Determining the Density Dependence of the Nuclear Symmetry Energy Using Heavy-Ion Reactions. Acta Physica Hungarica A Heavy Ion Physics, 2006, 25, 219-228.	0.4	0
93	Recent Progress in Isospin Physics with Heavy-Ion Reactions. , 2008, , .		0