

Toru Kojo

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,785
citations

361413
20
h-index

254184
43
g-index

61
all docs

61
docs citations

61
times ranked

924
citing authors

#	ARTICLE	IF	CITATIONS
1	Peaks of sound velocity in two color dense QCD: Quark saturation effects and semishort range correlations. Physical Review D, 2022, 105, .	4.7	15
2	Quark-hadron crossover equations of state for neutron stars: Constraining the chiral invariant mass in a parity doublet model. Physical Review C, 2021, 103, .	2.9	19
3	QCD equations of state and speed of sound in neutron stars. AAPPs Bulletin, 2021, 31, 1.	6.1	40
4	Thermal quarks and gluon propagators in two-color dense QCD. Physical Review D, 2021, 103, .	4.7	11
5	Delineating chiral separation effect in two-color dense QCD. Physical Review D, 2021, 104, .	4.7	5
6	Phenomenological QCD equations of state for neutron star dynamics: Nuclear-2SC continuity and evolving effective couplings. Physical Review D, 2021, 104, .	4.7	9
7	Stiffening of matter in quark-hadron continuity. Physical Review D, 2021, 104, .	4.7	24
8	Neutral and charged mesons in magnetic fields. European Physical Journal A, 2021, 57, 1.	2.5	6
9	Chiral condensates for neutron stars in hadron-quark crossover: From a parity doublet nucleon model to a Nambu-Ginsparg-Wilson quark model. Physical Review C, 2021, 104, .	2.9	8
10	Hard-core deconfinement and soft-surface delocalization from nuclear to quark matter. Physical Review D, 2020, 102, .	4.7	40
11	Zero point energy of composite particles: The medium effects. Physical Review D, 2020, 101, .	4.7	2
12	Delineating the properties of neutron star matter in cold, dense QCD. , 2020, , .		0
13	Gluon propagator in two-color dense QCD: Massive Yang-Mills approach at one loop. Physical Review D, 2019, 100, .	4.7	18
14	Delineating the properties of matter in cold, dense QCD. AIP Conference Proceedings, 2019, , .	0.4	5
15	New Neutron Star Equation of State with Quark-Hadron Crossover. Astrophysical Journal, 2019, 885, 42.	4.5	107
16	Effective repulsion in dense quark matter from nonperturbative gluon exchange. Physical Review D, 2019, 100, .	4.7	25
17	From hadrons to quarks in neutron stars: a review. Reports on Progress in Physics, 2018, 81, 056902.	20.1	437
18	QCD Equations of State in Hadron-Quark Continuity. Universe, 2018, 4, 42.	2.5	1

#	ARTICLE	IF	CITATIONS
19	Phenomenological QCD equations of state for neutron star mergers. , 2018, , .		0
20	Functional renormalization group study on the phase structure in the Quark-Meson model with $\tilde{\eta}$ meson. , 2018, , .		0
21	Pseudo Nambu-Goldstone modes in neutron stars. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 14-20.	4.1	3
22	Phenomenological QCD equations of state for neutron star mergers. Nuclear Physics A, 2017, 967, 832-835.	1.5	2
23	Functional renormalization group study of the quark-meson model with $\tilde{\eta}$ meson. Physical Review D, 2017, 96, .	4.7	24
24	THE QUARKYONIC STAR. Astrophysical Journal, 2016, 817, 180.	4.5	63
25	Mesons in strong magnetic fields: (I) General analyses. Nuclear Physics A, 2016, 951, 1-30.	1.5	38
26	Phenomenological neutron star equations of state. European Physical Journal A, 2016, 52, 1.	2.5	25
27	Phenomenological QCD equations of state for neutron stars. Nuclear Physics A, 2016, 956, 821-825.	1.5	15
28	Phenomenological QCD equation of state for massive neutron stars. Physical Review D, 2015, 91, .	4.7	114
29	Color screening in cold quark matter. Physical Review D, 2014, 89, .	4.7	12
30	The quark mass gap in strong magnetic fields. Nuclear Physics A, 2014, 931, 763-768.	1.5	10
31	Chiral spirals from noncontinuous chiral symmetry: The Gross-Neveu model results. Physical Review D, 2014, 90, .	4.7	5
32	A renormalization group approach for QCD in a strong magnetic field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 839-845.	4.1	35
33	The quark mass gap in a magnetic field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 192-197.	4.1	96
34	Can the nucleon axial charge be $\frac{1}{2}$. Nuclear Physics A, 2013, 899, 76-106.	1.5	5
35	Interweaving chiral spirals. Nuclear Physics A, 2012, 875, 94-138.	1.5	85
36	A (3+1)-dimensional example of Quarkyonic matter. Nuclear Physics A, 2012, 877, 70-94.	1.5	33

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37	Chiral symmetry in quarkyonic matter. Physics of Atomic Nuclei, 2012, 75, 632-636.	0.4	0
38	Quarkyonic Matter and Chiral Spirals. Journal of Physics: Conference Series, 2011, 270, 012049.	0.4	0
39	The dichotomous nucleon: Some radical conjectures for the large N_c limit. Nuclear Physics A, 2011, 852, 155-174.	1.5	12
40	Quarkyonic matter and chiral spirals. , 2011, , .		0
41	Quarkyonic chiral spirals. Nuclear Physics A, 2010, 843, 37-58.	1.5	183
42	pentaquarks in QCD sum rules. Nuclear Physics A, 2010, 835, 342-345.	1.5	0
43	Possible Quantum Numbers of $\hat{\Gamma}^+(1540)$ in QCD Sum Rules. Progress of Theoretical Physics Supplement, 2010, 186, 193-198.	0.1	0
44	Quarkyonic Chiral Spirals. , 2010, , .		0
45	Covering the Fermi surface with patches of quarkyonic chiral spirals. Physical Review D, 2010, 82, .	4.7	53
46	S = 1 pentaquarks in QCD sum rules. , 2010, , .		0
47	BARYONS AND BARYONIC MATTER IN HOLOGRAPHIC QCD. , 2010, , .		0
48	Possible quantum numbers of the pentaquark $\hat{\Gamma}^+(1540)$. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 287 Td (stretchy="false")</m	4.7	3
49	Baryons and Baryonic Matter in Holographic QCD from Superstring. Nuclear Physics, Section B, Proceedings Supplements, 2009, 186, 248-251.	0.4	2
50	Spin-3 pentaquark in QCD sum rules. Physical Review D, 2009, 79, .	4.7	4
51	Brane-induced Skyrmion on S^3 Baryonic matter in holographic QCD. Physical Review D, 2009, 79, .	4.7	23
52	Sigma meson in pole-dominated QCD sum rules. Physical Review D, 2008, 78, .	4.7	26
53	BARYONS WITH HOLOGRAPHY. Modern Physics Letters A, 2008, 23, 2364-2367.	1.2	13
54	SCALAR NONETS IN POLE-DOMINATED QCD SUM RULES. Modern Physics Letters A, 2008, 23, 2230-2233.	1.2	0

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55	QCD Sum Rules and $1/N_c$ Expansion. Progress of Theoretical Physics Supplement, 2008, 174, 258-261.	0.1	0
56	Baryonic Matter in Holographic QCD. Progress of Theoretical Physics Supplement, 2008, 174, 347-352.	0.1	3
57	Baryons in holographic QCD. Physical Review D, 2007, 75, .	4.7	92
58	Peristaltic modes of a single vortex in the Abelian Higgs model. Physical Review D, 2007, 75, .	4.7	4
59	Brane-Induced Skyrmions. Progress of Theoretical Physics Supplement, 2007, 168, 231-236.	0.1	16
60	Exotic Hadron in Pole-Dominated QCD Sum Rules. Progress of Theoretical Physics Supplement, 2007, 168, 58-61.	0.1	2
61	Pentaquark state in pole-dominated QCD sum rules. Physical Review C, 2006, 74, .	2.9	12