

Hong-tao Feng

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

275
citations

933447

10
h-index

940533

16
g-index

31
all docs

31
docs citations

31
times ranked

50
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of finite chemical potential on the critical number of fermion flavors in QED ₃ . Physical Review D, 2006, 73, .	4.7	40
2	Influence of finite chemical potential on the fermion chiral condensate in QED ₃ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 661, 57-65.	4.1	33
3	THE INFLUENCE OF THE GAUGE BOSON MASS ON THE CRITICAL NUMBER OF THE FERMION FLAVORS IN QED ₃ . International Journal of Modern Physics A, 2005, 20, 2753-2762.	1.5	23
4	Continuum study of quark-number susceptibility in an effective interaction model. Physical Review D, 2007, 76, .	4.7	23
5	PHASE STRUCTURE OF QED ₃ AT FINITE CHEMICAL POTENTIAL AND TEMPERATURE. Modern Physics Letters A, 2007, 22, 449-456.	1.2	16
6	Characteristic of chiral phase transition in QED_3 at zero density. Physical Review D, 2012, 86, .	4.7	13
7	Continuum study of various susceptibilities within thermal QED_3 . Physical Review D, 2014, 89, .	4.7	13
8	Investigation of phase transition in QED ₃ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 178-184.	4.1	11
9	Influence of gauge boson mass on the staggered spin susceptibility. Physical Review D, 2014, 90, .	4.7	11
10	Dynamical gap generation in a two-dimensional Dirac semimetal with a deformed Dirac cone. Physical Review B, 2017, 96, .	3.2	11
11	Nature of chiral phase transition in QED_3 at zero density. Physical Review D, 2014, 90, .	4.7	11
12	Quark-meson vertices and pion properties at finite chemical potential. Physical Review C, 2008, 78, .	2.9	8
13	The chiral phase transition of QED ₃ around the critical number of fermion flavors. Annals of Physics, 2014, 348, 306-314.	2.8	8
14	Critical behavior of QED ₃ at finite temperature and density. European Physical Journal C, 2013, 73, 1.	3.9	6
15	EFFECT OF GAUGE BOSON MASS ON THE PHASE STRUCTURE OF QED ₃ . Modern Physics Letters A, 2010, 25, 2645-2653.	1.2	5
16	Chiral phase diagram in QED ₃ . Physical Review D, 2012, 86, .	4.7	5
17	CROSSOVER FROM CHIRAL SUSCEPTIBILITY IN QED_3 . Modern Physics Letters A, 2012, 27, 1250209.	1.2	5
18	Staggered spin susceptibility and chiral phase transition in thermal QED_3 . Physical Review D, 2013, 88, .	4.7	5

#	ARTICLE	IF	CITATIONS
19	Calculation of the staggered spin correlation in the framework of the Dyson-Schwinger approach. Physical Review D, 2013, 87, .	4.7	5
20	Different critical points of chiral and deconfinement phase transitions in $(2 + 1)$ -dimensional fermion-gauge interacting model. European Physical Journal C, 2014, 74, 1.	3.9	4
21	INFLUENCE OF A UNIFORM MAGNETIC FIELD ON DYNAMICAL CHIRAL SYMMETRY BREAKING IN QED ₃ . Modern Physics Letters A, 2012, 27, 1250026.	1.2	3
22	Influence of boson mass on chiral phase transition in QED ₃ . Physical Review D, 2016, 94, .	4.7	3
23	Chiral phase transition in QED_3 at finite temperature and impurity potential. Physical Review D, 2016, 93, .	4.7	3
24	Hybrid stars and the QCD phase transition with an NJL-type model. Physical Review D, 2022, 105, .	4.7	3
25	INFLUENCE OF GAUGE BOSON MASS ON FERMION CHIRAL CONDENSATE IN QED ₃ . International Journal of Modern Physics A, 2009, 24, 3969-3974.	1.5	2
26	Critical Behavior of Dynamical Chiral Symmetry Breaking with Gauge Boson Mass in QED ₃ . Chinese Physics Letters, 2015, 32, 111102.	3.3	2
27	Finite-volume effects on the chiral phase transition of thermal QED_3 . Physical Review D, 2019, 100, .	4.7	2
28	Deconfinement phase transition of thermal QED ₃ . Physical Review D, 2018, 98, .	4.7	1
29	CJT effective potential approach to analyze the nature of phase transition of thermal QED ₃ at finite volume. European Physical Journal C, 2021, 81, 1.	3.9	1
30	A TOY MODEL TO STUDY THE PEAK OF CHIRAL SUSCEPTIBILITY AND CHIRAL PHASE TRANSITION AT FINITE TEMPERATURE. Modern Physics Letters A, 2012, 27, 1250156.	1.2	0
31	Effect of Fermion Velocity on Phase Structure of QED ₃ . Communications in Theoretical Physics, 2016, 66, 517-520.	2.5	0