

Amruta Mishra

List of Publications by Year in descending order

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68
papers

1,430
citations

331670

21
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361022

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68
all docs

68
docs citations

68
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Upsilon decay widths in magnetized asymmetric nuclear matter. International Journal of Modern Physics E, 2022, 31, .	1.0	8
2	Spectral functions of strange vector mesons in asymmetric hyperonic matter. European Physical Journal A, 2021, 57, 1.	2.5	2
3	Strange mesons in strong magnetic fields. International Journal of Modern Physics E, 2021, 30, 2150014.	1.0	7
4	Open charm and charmonium states in strong magnetic fields. International Journal of Modern Physics E, 2021, 30, .	1.0	9
5	Masses and decay widths of charmonium states in the presence of strong magnetic fields. Physical Review C, 2020, 102, .	2.9	19
6	Light vector mesons ($\langle \text{mml:math} \rangle$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 557 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")>	2.9	5
7	magnetic fields: A QCD sum rule approach. Physical Review C, 2019, 100, .	2.5	18
8	Charmonium decay widths in magnetized matter. European Physical Journal A, 2019, 55, 1.	2.5	9
9	Kaons and antikaons in strong magnetic fields. European Physical Journal A, 2019, 55, 1.	2.5	9
10	Charmonium states in strong magnetic fields. Physical Review C, 2018, 98, .	2.9	22
11	$\langle \text{mml:math} \rangle$ $\langle \text{mml:mi} \rangle$ D $\langle \text{mml:mi} \rangle$ $\langle \text{mml:math} \rangle$ mesons in strongly magnetized asymmetric nuclear matter. Physical Review C, 2018, 97, .	2.9	36
12	Open bottom mesons in asymmetric nuclear matter in the presence of strong magnetic fields. Physical Review C, 2018, 98, .	2.9	23
13	Decay widths of bottomonium states in matter: A field theoretic model for composite hadrons. Physical Review C, 2017, 95, .	2.9	17
14	In-medium decay widths of hidden and open charm vector mesons in a field theoretic model for composite hadrons. International Journal of Modern Physics E, 2015, 24, 1550053.	1.0	14
15	$\langle \text{mml:math} \rangle$ $\langle \text{mml:mrow} \rangle$ $\langle \text{mml:mrow} \rangle$ $\langle \text{mml:mrow} \rangle$ $\langle \text{mml:mi} \rangle$ D $\langle \text{mml:mi} \rangle$ $\langle \text{mml:mrow} \rangle$ $\langle \text{mml:mi} \rangle$ S $\langle \text{mml:mi} \rangle$ $\langle \text{mml:mrow} \rangle$ in Asymmetric Hot and Dense Hadronic Matter. Advances in High Energy Physics, 2015, 2015, 1-16.	2.9	19
16	Light vector meson masses in strange hadronic matter: A QCD sum rule approach. Physical Review C, 2015, 91, .	4.7	12
17	CP violation and chiral symmetry breaking in hot and dense quark matter in the presence of a magnetic field. Physical Review D, 2015, 91, .	2.9	24
18	Open bottom mesons in a hot asymmetric hadronic medium. Physical Review C, 2015, 91, .	1.0	19
19	Bottom-strange mesons in hyperonic matter. International Journal of Modern Physics E, 2014, 23, 1450073.		

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19	Bottomonium states in hot asymmetric strange hadronic matter. Physical Review C, 2014, 90, .	2.9	24
20	Strong CP violation and chiral symmetry breaking in hot and dense quark matter. Physical Review D, 2012, 85, .	4.7	4
21	Vacuum structure and chiral symmetry breaking in strong magnetic fields for hot and dense quark matter. Physical Review D, 2011, 84, .	4.7	52
22	D-mesons and charmonium states in hot isospin asymmetric strange hadronic matter. European Physical Journal A, 2011, 47, 1.	2.5	57
23	Chiral symmetry breaking in 3-flavor Nambu-Jona-Lasinio model in magnetic background. Nuclear Physics A, 2011, 862-863, 312-315.	1.5	4
24	Kaon properties in (proto-)neutron star matter. European Physical Journal A, 2010, 45, 169-177.	2.5	31
25	$\langle \text{mesons and charmonium states in asymmetric nuclear matter at finite temperatures. Physical Review C, 2010, 81, .} \rangle$	2.9	55
26	$\langle \text{and} \rangle$ $\langle \text{in isospin asymmetric hot nuclear matter: A QCD sum rule approach. Physical Review C, 2010, 82, .} \rangle$	2.9	46
27	$\langle \text{mesons in asymmetric nuclear matter. Physical Review C, 2009, 79, .} \rangle$	2.9	46
28	Working group report: Quark gluon plasma. Pramana - Journal of Physics, 2009, 72, 285-294.	1.8	0
29	Kaon and antikaon optical potentials in isospin asymmetric hyperonic matter. European Physical Journal A, 2009, 41, 205-213.	2.5	43
30	LOFF and breached pairing with cold atoms. European Physical Journal D, 2009, 53, 75-87.	1.3	8
31	BCS-BEC crossover and phase structure of relativistic systems: A variational approach. Physical Review D, 2009, 79, .	4.7	17
32	Pairing in spin polarized two-species fermionic mixtures with mass asymmetry. European Physical Journal D, 2008, 49, 383-390.	1.3	3
33	Kaons and antikaons in asymmetric nuclear matter. Physical Review C, 2008, 78, .	2.9	39
34	Color superconductivity with determinant interaction in strange quark matter. Physical Review D, 2006, 74, .	4.7	9
35	Color superconducting strange quark matter at finite temperature. Journal of Physics: Conference Series, 2006, 50, 223-229.	0.4	0
36	Working group report: Heavy-ion physics and quark-gluon plasma. Pramana - Journal of Physics, 2006, 67, 961-981.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Isospin dependent kaon and antikaon optical potentials in dense hadronic matter. Physical Review C, 2006, 74, .	2.9	39
38	D-mesons in dense nuclear matter. European Physical Journal C, 2005, 43, 127-130.	3.9	3
39	The properties of the D meson in dense matter. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1213-S1216.	3.6	1
40	Color superconductivity and gapless modes in strange quark matter at finite temperatures. Physical Review D, 2005, 71, .	4.7	19
41	Mass modification of D meson in hot hadronic matter. Physical Review C, 2004, 69, .	2.9	82
42	Chiral symmetry breaking, color superconductivity, and color neutral quark matter: A variational approach. Physical Review D, 2004, 69, .	4.7	29
43	Effects of Dirac sea polarization on hadronic properties: A chiral SU(3) approach. Physical Review C, 2004, 69, .	2.9	53
44	Interior gap superfluidity in a two-component Fermi gas of atoms. Physical Review A, 2004, 70, .	2.5	15
45	In-medium vector meson masses in a chiral SU(3) model. Physical Review C, 2004, 70, .	2.9	41
46	Dilepton emission rates from hot hadronic matter. Physical Review C, 2004, 69, .	2.9	7
47	Properties of D mesons in nuclear matter within a self-consistent coupled-channel approach. Physical Review C, 2004, 70, .	2.9	77
48	Kaons and antikaons in hot and dense hadronic matter. Physical Review C, 2004, 70, .	2.9	62
49	In-medium vector meson properties and low-mass dilepton production from hot hadronic matter. Physical Review C, 2002, 66, .	2.9	16
50	Vacuum polarization effects in hyperon-rich dense matter—a nonperturbative treatment. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 67-83.	3.6	9
51	Vector meson masses in hot nuclear matter: the effect of quantum corrections. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 151-168.	3.6	13
52	Instability of shear waves in an inhomogeneous strongly coupled dusty plasma. Physics of Plasmas, 2000, 7, 3188-3193.	1.9	18
53	Rotating compact objects with magnetic fields. Classical and Quantum Gravity, 1998, 15, 3131-3145.	4.0	12
54	Vacuum structure and effective potential at finite temperature: a variational approach. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 143-150.	3.6	23

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55	Structure of the vacuum in nuclear matter: A nonperturbative approach. Physical Review C, 1997, 56, 1380-1388.	2.9	19
56	Hot nuclear matter in the quark meson coupling model. Physical Review C, 1997, 56, 3134-3139.	2.9	59
57	VACUUM STRUCTURE IN QCD WITH QUARK AND GLUON CONDENSATES. International Journal of Modern Physics E, 1996, 05, 93-106.	1.0	9
58	CONFINEMENT, QUARK MATTER EQUATION OF STATE AND HYBRID STARS. Modern Physics Letters A, 1995, 10, 2651-2663.	1.2	7
59	Gluon condensates, quark matter equation of state and quark stars. Zeitschrift für Physik C-Particles and Fields, 1994, 63, 681-688.	1.5	1
60	Gluon condensates at finite baryon densities and temperature. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 159-166.	1.5	11
61	Gluon condensates, chiral symmetry breaking and pion wave-function. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 325-332.	1.5	16
62	QCD at finite temperature—a variational approach. Zeitschrift für Physik C-Particles and Fields, 1993, 57, 233-240.	1.5	6
63	Effective potentials in QCD and chiral symmetry breaking. Zeitschrift für Physik C-Particles and Fields, 1993, 57, 241-249.	1.5	8
64	A nonperturbative variational approach to the vacuum structure in quantum chromodynamics. Pramana - Journal of Physics, 1991, 37, 59-70.	1.8	14
65	Higgs-particle production through vacuum excitations. Physical Review D, 1991, 44, 110-117.	4.7	8
66	(1+1)-dimensional supersymmetry at finite temperature. A variational approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 251, 541-547.	4.1	4
67	NUCLEAR MATTER WITH CONSTITUENT MESON QUANTA. International Journal of Modern Physics A, 1990, 05, 3391-3399.	1.5	9
68	A VARIATIONAL APPROACH TO THE GROSS-NEVEU MODEL. International Journal of Modern Physics A, 1988, 03, 2331-2338.	1.5	23