

# Amruta Mishra

## List of Publications by Year in descending order

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68  
papers

1,430  
citations

331670

21  
h-index

361022

35  
g-index

68  
all docs

68  
docs citations

68  
times ranked

299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass modification of D meson in hot hadronic matter. Physical Review C, 2004, 69, .	2.9	82
2	Properties of D mesons in nuclear matter within a self-consistent coupled-channel approach. Physical Review C, 2004, 70, .	2.9	77
3	Kaons and antikaons in hot and dense hadronic matter. Physical Review C, 2004, 70, .	2.9	62
4	Hot nuclear matter in the quark meson coupling model. Physical Review C, 1997, 56, 3134-3139.	2.9	59
5	D-mesons and charmonium states in hot isospin asymmetric strange hadronic matter. European Physical Journal A, 2011, 47, 1.	2.5	57
6	$\langle \text{mesons and charmonium states in asymmetric nuclear matter at finite temperatures. Physical Review C, 2010, 81, .} \rangle$	2.9	55
7	Effects of Dirac sea polarization on hadronic properties: A chiral SU(3) approach. Physical Review C, 2004, 69, .	2.9	53
8	Vacuum structure and chiral symmetry breaking in strong magnetic fields for hot and dense quark matter. Physical Review D, 2011, 84, .	4.7	52
9	$\langle \text{mesons in asymmetric nuclear matter. Physical Review C, 2009, 79, .} \rangle$	2.9	46
10	$\langle \text{and } \langle \text{in isospin asymmetric hot nuclear matter: A QCD sum rule approach. Physical Review C, 2010, 82, .} \rangle$	2.9	46
11	Kaon and antikaon optical potentials in isospin asymmetric hyperonic matter. European Physical Journal A, 2009, 41, 205-213.	2.5	43
12	In-medium vector meson masses in a chiral SU(3) model. Physical Review C, 2004, 70, .	2.9	41
13	Isospin dependent kaon and antikaon optical potentials in dense hadronic matter. Physical Review C, 2006, 74, .	2.9	39
14	Kaons and antikaons in asymmetric nuclear matter. Physical Review C, 2008, 78, .	2.9	39
15	$\langle \text{mesons in strongly magnetized asymmetric nuclear matter. Physical Review C, 2018, 97, .} \rangle$	2.9	36
16	Kaon properties in (proto-)neutron star matter. European Physical Journal A, 2010, 45, 169-177.	2.5	31
17	Chiral symmetry breaking, color superconductivity, and color neutral quark matter: A variational approach. Physical Review D, 2004, 69, .	4.7	29
18	Bottomonium states in hot asymmetric strange hadronic matter. Physical Review C, 2014, 90, .	2.9	24

#	ARTICLE	IF	CITATIONS
19	Open bottom mesons in a hot asymmetric hadronic medium. Physical Review C, 2015, 91, .	2.9	24
20	A VARIATIONAL APPROACH TO THE GROSS-NEVEU MODEL. International Journal of Modern Physics A, 1988, 03, 2331-2338.	1.5	23
21	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
22	Open bottom mesons in asymmetric nuclear matter in the presence of strong magnetic fields. Physical Review C, 2018, 98, .	2.9	23
23	Charmonium states in strong magnetic fields. Physical Review C, 2018, 98, .	2.9	22
24	Structure of the vacuum in nuclear matter: A nonperturbative approach. Physical Review C, 1997, 56, 1380-1388.	2.9	19
25	Color superconductivity and gapless modes in strange quark matter at finite temperatures. Physical Review D, 2005, 71, .	4.7	19
26	Bottom-strange mesons in hyperonic matter. International Journal of Modern Physics E, 2014, 23, 1450073.	1.0	19
27	Light vector meson masses in strange hadronic matter: A QCD sum rule approach. Physical Review C, 2015, 91, .	2.9	19
28	Masses and decay widths of charmonium states in the presence of strong magnetic fields. Physical Review C, 2020, 102, .	2.9	19
29	Instability of shear waves in an inhomogeneous strongly coupled dusty plasma. Physics of Plasmas, 2000, 7, 3188-3193.	1.9	18
30	Charmonium decay widths in magnetized matter. European Physical Journal A, 2019, 55, 1.	2.5	18
31	BCS-BEC crossover and phase structure of relativistic systems: A variational approach. Physical Review D, 2009, 79, .	4.7	17
32	Decay widths of bottomonium states in matter: A field theoretic model for composite hadrons. Physical Review C, 2017, 95, .	2.9	17
33	Gluon condensates, chiral symmetry breaking and pion wave-function. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 325-332.	1.5	16
34	In-medium vector meson properties and low-mass dilepton production from hot hadronic matter. Physical Review C, 2002, 66, .	2.9	16
35	Interior gap superfluidity in a two-component Fermi gas of atoms. Physical Review A, 2004, 70, .	2.5	15
36	$\langle m_1 \rangle$ in Asymmetric Hot and Dense Hadronic Matter. Advances in High Energy Physics, 2015, 2015, 1-16.	1.1	15

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37	A nonperturbative variational approach to the vacuum structure in quantum chromodynamics. <i>Pramana - Journal of Physics</i> , 1991, 37, 59-70.	1.8	14
38	In-medium decay widths of hidden and open charm vector mesons in a field theoretic model for composite hadrons. <i>International Journal of Modern Physics E</i> , 2015, 24, 1550053.	1.0	14
39	Vector meson masses in hot nuclear matter: the effect of quantum corrections. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2002, 28, 151-168.	3.6	13
40	Rotating compact objects with magnetic fields. <i>Classical and Quantum Gravity</i> , 1998, 15, 3131-3145.	4.0	12
41	CP violation and chiral symmetry breaking in hot and dense quark matter in the presence of a magnetic field. <i>Physical Review D</i> , 2015, 91, .	4.7	12
42	Gluon condensates at finite baryon densities and temperature. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993, 59, 159-166.	1.5	11
43	NUCLEAR MATTER WITH CONSTITUENT MESON QUANTA. <i>International Journal of Modern Physics A</i> , 1990, 05, 3391-3399.	1.5	9
44	VACUUM STRUCTURE IN QCD WITH QUARK AND GLUON CONDENSATES. <i>International Journal of Modern Physics E</i> , 1996, 05, 93-106.	1.0	9
45	Vacuum polarization effects in hyperon-rich dense matter—a nonperturbative treatment. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2002, 28, 67-83.	3.6	9
46	Color superconductivity with determinant interaction in strange quark matter. <i>Physical Review D</i> , 2006, 74, .	4.7	9
47	Kaons and antikaons in strong magnetic fields. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	9
48	Open charm and charmonium states in strong magnetic fields. <i>International Journal of Modern Physics E</i> , 2021, 30, .	1.0	9
49	Higgs-particle production through vacuum excitations. <i>Physical Review D</i> , 1991, 44, 110-117.	4.7	8
50	Effective potentials in QCD and chiral symmetry breaking. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993, 57, 241-249.	1.5	8
51	LOFF and breached pairing with cold atoms. <i>European Physical Journal D</i> , 2009, 53, 75-87.	1.3	8
52	Upsilon decay widths in magnetized asymmetric nuclear matter. <i>International Journal of Modern Physics E</i> , 2022, 31, .	1.0	8
53	CONFINEMENT, QUARK MATTER EQUATION OF STATE AND HYBRID STARS. <i>Modern Physics Letters A</i> , 1995, 10, 2651-2663.	1.2	7
54	Dilepton emission rates from hot hadronic matter. <i>Physical Review C</i> , 2004, 69, .	2.9	7

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55	Strange mesons in strong magnetic fields. International Journal of Modern Physics E, 2021, 30, 2150014.	1.0	7
56	QCD at finite temperature—a variational approach. Zeitschrift für Physik C-Particles and Fields, 1993, 57, 233-240.	1.5	6
57	Light vector mesons ( $\rho$ ) in strong magnetic fields. A QCD sum rule approach. Physical Review C, 2019, 100, .	2.9	5
58	(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
59	Chiral symmetry breaking in 3-flavor Nambu-Jona Lasinio model in magnetic background. Nuclear Physics A, 2011, 862-863, 312-315.	1.5	4
60	Strong CP violation and chiral symmetry breaking in hot and dense quark matter. Physical Review D, 2012, 85, .	4.7	4
61	D-mesons in dense nuclear matter. European Physical Journal C, 2005, 43, 127-130.	3.9	3
62	Pairing in spin polarized two-species fermionic mixtures with mass asymmetry. European Physical Journal D, 2008, 49, 383-390.	1.3	3
63	Spectral functions of strange vector mesons in asymmetric hyperonic matter. European Physical Journal A, 2021, 57, 1.	2.5	2
64	Gluon condensates, quark matter equation of state and quark stars. Zeitschrift für Physik C-Particles and Fields, 1994, 63, 681-688.	1.5	1
65	The properties of the D meson in dense matter. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1213-S1216.	3.6	1
66	Working group report: Heavy-ion physics and quark-gluon plasma. Pramana - Journal of Physics, 2006, 67, 961-981.	1.8	1
67	Color superconducting strange quark matter at finite temperature. Journal of Physics: Conference Series, 2006, 50, 223-229.	0.4	0
68	Working group report: Quark gluon plasma. Pramana - Journal of Physics, 2009, 72, 285-294.	1.8	0