

Ashok Goyal

List of Publications by Year in descending order

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47
papers

295
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840776

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48
times ranked

423
citing authors

#	ARTICLE	IF	CITATIONS
1	Burning of Two-Flavor Quark Matter into Strange Matter in Neutron Stars and in Supernova Cores. <i>Astrophysical Journal</i> , 1997, 481, 954-962.	4.5	32
2	Measuring anomalous Wtb couplings at e^+p collider. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	19
3	Radial Oscillations of Hybrid Stars. <i>Astrophysical Journal</i> , 2002, 579, 374-379.	4.5	18
4	Lepton number violation in a little Higgs model. <i>Physical Review D</i> , 2005, 72, .	4.7	18
5	Dynamical evolution of the Universe in the quark-hadron phase transition and nugget formation. <i>Physical Review D</i> , 2000, 62, .	4.7	16
6	Bounds on the neutrino magnetic moment from SN 1987 A. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 346, 312-316.	4.1	15
7	Neutrino opacity in magnetized hot and dense nuclear matter. <i>Physical Review D</i> , 2002, 65, .	4.7	15
8	Leptonic $g^{\prime 2}$ anomaly in an extended Higgs sector with vector-like leptons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	15
9	Bulk viscosity of strange quark matter. <i>Zeitschrift für Physik A</i> , 1994, 349, 93-98.	0.9	14
10	NUCLEAR MATTER IN INTENSE MAGNETIC FIELD AND WEAK PROCESSES. <i>International Journal of Modern Physics A</i> , 2001, 16, 347-367.	1.5	14
11	Nambu-Jona-Lasinio model in four dimensions at finite temperatures; chemical potential and curvature. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2001, 27, 1827-1837.	3.6	7
12	NEUTRINO MASS AND LEPTON NUMBER VIOLATION IN THE LITTLE HIGGS MODEL. <i>Modern Physics Letters A</i> , 2006, 21, 1931-1938.	1.2	7
13	ELECTRICAL CONDUCTIVITY AT THE CORE OF A MAGNETAR. <i>International Journal of Modern Physics D</i> , 2002, 11, 843-855.	2.1	6
14	Top quark physics in the vector color-octet model. <i>Physical Review D</i> , 2013, 87, .	4.7	6
15	Spin-3/2 dark matter in a simple t-channel model. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	6
16	Radiative decay of quarkonium into Higgs scalar. <i>Physical Review D</i> , 1985, 32, 1844-1845.	4.7	5
17	STRANGE QUARK MATTER IN STRONG MAGNETIC FIELD. <i>Modern Physics Letters A</i> , 1994, 09, 3611-3618.	1.2	5
18	Phase transition of a fermionic system in a gauge theory. <i>Physical Review D</i> , 1985, 32, 2097-2101.	4.7	4

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19	Effect of temperature and quark-gluon interaction on strange matter. Nuclear Physics, Section B, Proceedings Supplements, 1991, 24, 18-22.	0.4	4
20	Hybrid stars. Pramana - Journal of Physics, 2004, 62, 753-756.	1.8	4
21	New physics contribution to neutral trilinear gauge boson couplings. European Physical Journal C, 2009, 63, 305-315.	3.9	4
22	Spin-0 portal induced Dark Matter. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
23	Relativistic oscillator in a Bethe-Salpeter model: Nonexistence of discrete bound states. Physical Review D, 1982, 26, 1983-1987.	4.7	3
24	Are weak vector bosons composite?. Pramana - Journal of Physics, 1984, 23, 607-622.	1.8	3
25	Phase structure of the fermionic system in the SU(2) \times SU(2) chiral $\bar{\psi}\psi$ model. Physical Review D, 1986, 34, 2133-2138.	4.7	3
26	Stochastic quantization of para-Fermi fields. Journal of Mathematical Physics, 1990, 31, 156-163.	1.1	3
27	ON PION COOLING IN THE SUPERNOVA CORE. International Journal of Modern Physics A, 1998, 13, 915-921.	1.5	3
28	Lepto-philic 2-HDM + singlet scalar portal induced fermionic dark matter. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3
29	Relativistic confinement in a Bethe-Salpeter model. Physical Review D, 1982, 25, 2199-2204.	4.7	2
30	Phase transition in supersymmetric matter. Physical Review D, 1986, 33, 3771-3773.	4.7	2
31	Flipped neutrino emissivity from strange matter. Physical Review D, 1994, 49, 3910-3917.	4.7	2
32	Baryon Density Contrast in a Quark-Hadron Phase Transition in the Early Universe. Astrophysical Journal, 1995, 452, 501.	4.5	2
33	Radial oscillations of neutron stars in strong magnetic fields. Pramana - Journal of Physics, 2002, 59, 433-443.	1.8	1
34	Symmetry structure and phase transitions. Pramana - Journal of Physics, 2003, 60, 887-900.	1.8	1
35	MIXED PHASE IN COMPACT STARS: $M-R$ RELATIONS AND RADIAL OSCILLATIONS. International Journal of Modern Physics D, 2004, 13, 1197-1205.	2.1	1
36	EFFECTS OF CURVATURE AND INTERACTIONS ON THE DYNAMICS OF THE DECONFINEMENT PHASE TRANSITION. International Journal of Modern Physics A, 2004, 19, 5221-5235.	1.5	1

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37	Confinement in a Bethe-Salpeter model with logarithmic potential. Physical Review D, 1983, 27, 2439-2444.	4.7	0
38	Self-energy effect in a relativistic bound state problem. Pramana - Journal of Physics, 1985, 24, 47-51.	1.8	0
39	Phase transition in a nucleon-antinucleon system. Physical Review D, 1987, 35, 3530-3532.	4.7	0
40	Properties of high-density matter in the electroweak symmetric phase. Physical Review D, 1992, 45, 4392-4399.	4.7	0
41	FORMATION AND SURVIVAL OF ELECTROWEAK-SYMMETRIC NUGGETS IN THE EARLY UNIVERSE. International Journal of Modern Physics A, 1996, 11, 361-373.	1.5	0
42	Hadronic interactions and the deconfinement phase transition. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 651-662.	3.6	0
43	Photon production from baryon rich quark-gluon plasma. Pramana - Journal of Physics, 1997, 49, 225-230.	1.8	0
44	Astroparticle physics: Working group report. Pramana - Journal of Physics, 1998, 51, 273-286.	1.8	0
45	CONSTRAINING THE RIGHT-HANDED INTERACTIONS FROM PION CONDENSATE MATTER. International Journal of Modern Physics A, 2000, 15, 509-522.	1.5	0
46	Dynamical Evolution of the Universe in the Quark-Hadron Phase Transition and Nugget Formation. Symposium - International Astronomical Union, 2005, 201, 461-462.	0.1	0
47	Little Higgs model effects in $\hat{1}^3 \hat{a}^+ \hat{1}^3$. Pramana - Journal of Physics, 2007, 69, 753-757.	1.8	0