

# Sourov Roy

## List of Publications by Year in descending order

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52  
papers

1,154  
citations

393982

19  
h-index

395343

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g-index

54  
all docs

54  
docs citations

54  
times ranked

2436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-adiabatic evolution of dark sector in the presence of $U(1)_{L\hat{L}^2}$ gauge symmetry. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	1.9	5
2	Supersymmetric gauged $U(1)_{L-\mu-L_{\text{au}}}$ model for electron and muon (g) Tj ETQq0 0,0 rgBT /Overlock 10	1.6	19
3	When freeze-out occurs due to a non-Boltzmann suppression: a study of degenerate dark sector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
4	Probing $L_{\hat{L}^2}$ models with $\hat{L}^2$ models with $U(1)_{L-\mu-L_{\text{au}}}$ : A new look at the combined COHERENT CsI and Ar data. Physical Review D, 2021, 104, .	1.6	11
5	Fermionic dark matter via UV and IR freeze-in and its possible X-ray signature. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 043-043.	1.9	24
6	Supersymmetry and unification: a status update. European Physical Journal: Special Topics, 2020, 229, 3043-3046.	1.2	0
7	Signatures of supersymmetry and a $\hat{L}^2$ gauge boson at Belle-II. Physical Review D, 2019, 99, .	1.6	17
8	Supersymmetric gauged $U(1)_{L-\mu-L_{\text{au}}}$ models with $\hat{L}^2$ models with $U(1)_{L-\mu-L_{\text{au}}}$ : A new look at the combined COHERENT CsI and Ar data. Physical Review D, 2021, 104, .	1.6	18
9	Physical Review D, 2018, 98, . Generation of a radiative neutrino mass in the linear seesaw framework, charged lepton flavor violation, and dark matter. Physical Review D, 2017, 96, .	1.6	50
10	Light top squarks in a $U(1)_{L-\mu-L_{\text{au}}}$ model with a right-handed neutrino. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
11	a right handed neutrino and the LHC. Physical Review D, 2016, 93, . Stability constraints in triplet extension of the MSSM. Physical Review D, 2015, 91, .	1.6	0
12	$h \hat{L}^2$ in $U(1)_{L-\mu-L_{\text{au}}}$ model with a right-handed neutrino. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
13	Vacuum stability constraints on the minimal singlet TeV seesaw model. Physical Review D, 2014, 89, .	1.6	32
14	7 keV sterile neutrino dark matter in $U(1)_{L-\mu-L_{\text{au}}}$ model. Journal of High Energy Physics, 2014, 2014, 1.	1.6	29
15	Higgs boson mass, neutrino masses and mixing and keV dark matter in an $U(1)_{L-\mu-L_{\text{au}}}$ lepton number model. Journal of High Energy Physics, 2014, 2014, 1.	1.6	29
16	Invisible Higgs decay in a supersymmetric inverse seesaw model with light sneutrino dark matter. Journal of High Energy Physics, 2013, 2013, 1.	1.6	35
17	Erratum 2: Phenomenology of light sneutrino dark matter in cMSSM/mSUGRA with inverse seesaw. Journal of High Energy Physics, 2013, 2013, 1.	1.6	0
18	Muon ( $g\hat{L}^2$ ) from the bulk neutrino field in a warped extra dimensional model. Physical Review D, 2012, 86, .	1.6	1

#	ARTICLE	IF	CITATIONS
19	Nonstandard interactions in neutrino oscillations and the recent Daya Bay and T2K experiments. Physical Review D, 2012, 86, .	1.6	22
20	Four lepton flavor violating signals at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	2
21	Exploring novel correlations in trilepton channels at the LHC for the minimal supersymmetric inverse seesaw model. Journal of High Energy Physics, 2012, 2012, 1.	1.6	21
22	Phenomenology of light sneutrino dark matter in cMSSM/mSUGRA with inverse seesaw. Journal of High Energy Physics, 2012, 2012, 1.	1.6	22
23	Resonant leptogenesis with nonholomorphic $R$ -parity violation and the LHC phenomenology. Physical Review D, 2012, 85, .	1.6	5
24	Sneutrino-antisneutrino oscillation at the Tevatron. Physical Review D, 2011, 84, .	1.6	2
25	$R$ -parity violating supersymmetric explanation for the CDF $W_j$ excess. Physical Review D, 2011, 84, .	1.6	3
26	Unusual Higgs boson signal in $R$ -parity violating nonminimal supersymmetric models at the LHC. Physical Review D, 2011, 84, .	1.6	21
27	Constraints on composite Dirac neutrinos from observations of galaxy clusters. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 228-234.	1.5	8
28	Working group summary: Neutrinos and beyond Standard Model. Pramana - Journal of Physics, 2011, 76, 699-705.	0.9	0
29	Multiphoton signal in supersymmetry comprising nonpointing photon(s) at the LHC. Physical Review D, 2011, 83, .	1.6	8
30	Ultrarelativistic sneutrinos at the LHC and sneutrino-antisneutrino oscillations. Physical Review D, 2010, 82, .	1.6	4
31	Radiative contribution to neutrino masses and mixing in $\hat{1}/4\hat{1}/2$ SSM. Journal of High Energy Physics, 2010, 2010, 1.	1.6	55
32	Correlations between sneutrino-antisneutrino oscillations and signatures at the LHC in anomaly-mediated supersymmetry breaking. , 2010, , .		1
33	One-loop contribution to the neutrino mass matrix in the next-to-minimal supersymmetric standard model with right-handed neutrinos and tribimaximal mixing. Physical Review D, 2010, 82, .	1.6	5
34	Neutrino masses and mixing, lightest neutralino decays and a solution to the $\hat{1}/4$ problem in supersymmetry. Journal of High Energy Physics, 2009, 2009, 069-069.	1.6	80
35	Correlations between sneutrino oscillations and signatures at the LHC in anomaly-mediated supersymmetry breaking. Physical Review D, 2009, 79, .	1.6	6
36	Search for Higgs bosons in SUSY cascades in CMS and $\hat{A}$ dark $\hat{A}$ matter with non-universal gaugino masses. European Physical Journal C, 2008, 58, 591-608.	1.4	29

#	ARTICLE	IF	CITATIONS
37	Constraining the Randall-Sundrum modulus in the light of recent PVLAS data. Physical Review D, 2008, 77, .	1.6	7
38	Phenomenology of non-universal gaugino masses and implications for the Higgs boson decay. Pramana - Journal of Physics, 2007, 69, 823-827.	0.9	1
39	Photon propagation in magnetic and electric fields with scalar/pseudoscalar couplings: A new look. Physical Review D, 2006, 74, .	1.6	16
40	Signals of sneutrino-antisneutrino mixing in an $e^+e^-$ collider in anomaly-mediated supersymmetry breaking. Physical Review D, 2006, 73, .	1.6	11
41	Phenomenology of nonuniversal gaugino masses in supersymmetric grand unified theories. Physical Review D, 2005, 72, .	1.6	27
42	Infrared fixed point of the top Yukawa coupling in split supersymmetry. Physical Review D, 2005, 72, .	1.6	5
43	Light grand unified theory triplets and Yukawa splitting. Physical Review D, 2004, 69, .	1.6	5
44	ANOMALY MEDIATED SUPERSYMMETRY BREAKING AND ITS TEST IN LINEAR COLLIDERS. Modern Physics Letters A, 2004, 19, 83-98.	0.5	3
45	Higher dimensional models of light Majorana neutrinos confronted by data. Physical Review D, 2004, 70, .	1.6	9
46	Vacuum stability bounds in anomaly and gaugino mediated supersymmetry breaking models. Physical Review D, 2002, 65, .	1.6	10
47	Gauged $U(1)_{B-L}$ , with large muon anomalous magnetic moment and the bimaximal mixing of neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 525, 101-106.	1.5	160
48	Effects of initial axion production and photon-axion oscillation on type Ia supernova dimming. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 543, 23-28.	1.5	52
49	Testing gauge-gravitino coupling in gauge-mediated supersymmetry breaking through single photon events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 117-122.	1.5	9
50	Correlation between neutrino oscillations and collider signals of supersymmetry in an R-parity violating model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 443, 191-195.	1.5	147
51	Filtering out signals of gauge-mediated supersymmetry breaking: Can we always eliminate conventional supersymmetric effects?. Physical Review D, 1998, 57, 6793-6798.	1.6	4
52	Some implications of a supersymmetric model with R-parity-breaking bilinear interactions. Physical Review D, 1997, 55, 7020-7029.	1.6	101