

Sourov Roy

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,154
citations

393982

19
h-index

395343

33
g-index

54
all docs

54
docs citations

54
times ranked

2436
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Some implications of a supersymmetric model with R-parity-breaking bilinear interactions. Physical Review D, 1997, 55, 7020-7029.	1.6	101
4	Neutrino masses and mixing, lightest neutralino decays and a solution to the μ problem in supersymmetry. Journal of High Energy Physics, 2009, 2009, 069-069.	1.6	80
5	Radiative contribution to neutrino masses and mixing in $U(1)_{B-L}$ SSM. Journal of High Energy Physics, 2010, 2010, 1.	1.6	55
6	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
7	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
8	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
9	Vacuum stability constraints on the minimal singlet TeV seesaw model. Physical Review D, 2014, 89, .	1.6	32
10	Search for Higgs bosons in SUSY cascades in CMS and ATLAS with non-universal gaugino masses. European Physical Journal C, 2008, 58, 591-608.	1.4	29
11	7 keV sterile neutrino dark matter in $U(1)_{R-L}$ lepton number model. Journal of High Energy Physics, 2014, 2014, 1.	1.6	29
12	Higgs boson mass, neutrino masses and mixing and keV dark matter in an $U(1)_{R-L}$ lepton number model. Journal of High Energy Physics, 2014, 2014, 1.	1.6	29
13	Phenomenology of nonuniversal gaugino masses in supersymmetric grand unified theories. Physical Review D, 2005, 72, .	1.6	27
14	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
15	Nonstandard interactions in neutrino oscillations and the recent Daya Bay and T2K experiments. Physical Review D, 2012, 86, .	1.6	22
16	Phenomenology of light sneutrino dark matter in cMSSM/mSUGRA with inverse seesaw. Journal of High Energy Physics, 2012, 2012, 1.	1.6	22
17	Unusual Higgs boson signal in R -parity violating nonminimal supersymmetric models at the LHC. Physical Review D, 2011, 84, .	1.6	21
18	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

#	ARTICLE	IF	CITATIONS
19	Supersymmetric gauged $U(1)_{L_{\mu}} - L_{\tau}$ model for electron and muon (g) Tj ETQq1 1,0,784314,rgBT /Overlock 10 Tf 50 692 Td (stretchy="false")	1.6	19
20	Supersymmetric gauged $U(1)_{L_{\mu}} - L_{\tau}$ model for electron and muon (g) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 692 Td (stretchy="false")	1.6	18
21	Physical Review D, 2018, 98, . Signatures of supersymmetry and a \tilde{L}_R gauge boson at Belle-II. Physical Review D, 2019, 99, .	1.6	17
22	Photon propagation in magnetic and electric fields with scalar/pseudoscalar couplings: A new look. Physical Review D, 2006, 74, .	1.6	16
23	Signals of sneutrino-antisneutrino mixing in a $\tilde{e}^+ \tilde{\nu}_e$ collider in anomaly-mediated supersymmetry breaking. Physical Review D, 2006, 73, .	1.6	11
24	$h \tilde{\nu}_\tau \tilde{\nu}_\tau$ in $U(1)$ R-lepton number model with a right-handed neutrino. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
25	Probing L models with $CE\tilde{\nu}_\tau$ models with NS at the combined CONCERTO and A data. Physical Review D, 2021, 104, .	1.6	11
26	Vacuum stability bounds in anomaly and gaugino mediated supersymmetry breaking models. Physical Review D, 2002, 65, .	1.6	10
27	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
28	Higher dimensional models of light Majorana neutrinos confronted by data. Physical Review D, 2004, 70, .	1.6	9
29	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
30	Multiphoton signal in supersymmetry comprising nonpointing photon(s) at the LHC. Physical Review D, 2011, 83, .	1.6	8
31	Constraining the Randall-Sundrum modulus in the light of recent PVLAS data. Physical Review D, 2008, 77, .	1.6	7
32	Correlations between sneutrino oscillations and signatures at the LHC in anomaly-mediated supersymmetry breaking. Physical Review D, 2009, 79, .	1.6	6
33	Light grand unified theory triplets and Yukawa splitting. Physical Review D, 2004, 69, .	1.6	5
34	Infrared fixed point of the top Yukawa coupling in split supersymmetry. Physical Review D, 2005, 72, .	1.6	5
35	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
36	Resonant leptogenesis with nonholomorphic R -parity violation and the LHC phenomenology. Physical Review D, 2012, 85, .	1.6	5

#	ARTICLE	IF	CITATIONS
37	Non-adiabatic evolution of dark sector in the presence of $U(1)_{L\hat{1}/4}$ gauge symmetry. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	1.9	5
38	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
39	Ultrarelativistic sneutrinos at the LHC and sneutrino-antisneutrino oscillations. Physical Review D, 2010, 82, .	1.6	4
40	Light top squarks in a $U(1)_{T\hat{1}/2}$ right handed neutrino and the LHC. Physical Review D, 2016, 93, .	1.6	4
41	ANOMALY MEDIATED SUPERSYMMETRY BREAKING AND ITS TEST IN LINEAR COLLIDERS. Modern Physics Letters A, 2004, 19, 83-98.	0.5	3
42	R-parity violating supersymmetric explanation for the CDF W_j excess. Physical Review D, 2011, 84, .	1.6	3
43	Sneutrino-antisneutrino oscillation at the Tevatron. Physical Review D, 2011, 84, .	1.6	2
44	Four lepton flavor violating signals at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	2
45	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
46	Phenomenology of non-universal gaugino masses and implications for the Higgs boson decay. Pramana - Journal of Physics, 2007, 69, 823-827.	0.9	1
47	Correlations between sneutrino-antisneutrino oscillations and signatures at the LHC in anomaly-mediated supersymmetry breaking. , 2010, , .		1
48	Muon ($g\hat{2}$) from the bulk neutrino field in a warped extra dimensional model. Physical Review D, 2012, 86, .	1.6	1
49	Working group summary: Neutrinos and beyond Standard Model. Pramana - Journal of Physics, 2011, 76, 699-705.	0.9	0
50	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
51	Stability constraints in triplet extension of the MSSM. Physical Review D, 2015, 91, .	1.6	0
52	Supersymmetry and unification: a status update. European Physical Journal: Special Topics, 2020, 229, 3043-3046.	1.2	0