Rabindra N Mohapatra

List of Publications by Year
in descending order

66 papers	8,706 citations	257450 24 h-index	133252 59 g-index
66 all docs	66 docs citations	66 times ranked	7048 citing authors

#	Article	IF	Citations
1	Neutrino Mass and Spontaneous Parity Nonconservation. Physical Review Letters, 1980, 44, 912-915.	7.8	4,729
2	Neutrino masses and mixings in gauge models with spontaneous parity violation. Physical Review D, 1981, 23, 165-180.	4.7	2,015
3	Reconciling present neutrino puzzles: Sterile neutrinos as mirror neutrinos. Physical Review D, 1995, 52, 6607-6611.	4.7	250
4	General CP violation in minimal leftâ€“right symmetric model and constraints on the right-handed scale. Nuclear Physics B, 2008, 802, 247-279.	2.5	214
5	Leptogenesis as a common origin for matter and dark matter. Journal of High Energy Physics, 2010, 2010, 1.	4.7	161
6	Unified Explanation of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>e</mml:mi><mml:mi>e</mml:mi><mml:mi>j</mml:mi><mml:mi>j</mml:mi></mml:mrow></mml Diboson, and Dijet Resonances at the LHC. Physical Review Letters, 2015, 115, 181803.	7.8	105
7	Probing the Higgs sector of the minimal Left-Right symmetric model at future hadron colliders. Journal of High Energy Physics, 2016, 2016, 1.	4.7	77
8	Quark seesaw, vectorlike fermions and diphoton excess. Journal of High Energy Physics, 2016, 2016, 1.	4.7	72
9	C,P, and StrongCPin Left-Right Supersymmetric Models. Physical Review Letters, 1997, 79, 4744-4747.	7.8	67
10	Energy dependence of direct detection cross section for asymmetric mirror dark matter. Physical Review D, 2010, 82, .	4.7	61
11	Same sign versus opposite sign dileptons as a probe of low scale seesaw mechanisms. Physical Review D, 2018, 97, .	4.7	60
12	Gauged flavor group with left-right symmetry. Journal of High Energy Physics, 2011, 2011, 1.	4.7	51
13	Disambiguating seesaw models using invariant mass variables at hadron colliders. Journal of High Energy Physics, 2016, 2016, 1.	4.7	50
14	TeV scale model for baryon and lepton number violation and resonant baryogenesis. Physical Review D, 2015, 92, .	4.7	46
15	Lepton Flavor Violation Induced by a Neutral Scalar at Future Lepton Colliders. Physical Review Letters, 2018, 120, 221804.	7.8	39
16	Constraints on long-lived light scalars with flavor-changing couplings and the KOTO anomaly. Physical Review D, 2020, 101, .	4.7	39
17	Naturally stable right-handed neutrino dark matter. Journal of High Energy Physics, 2016, 2016, 1.	4.7	36
18	Nucleosynthesis Constraints on Massive, Stable, Strongly Interacting Particles. Physical Review Letters, 1998, 81, 3079-3082.	7.8	35

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19	Leptogenesis constraints on the mass of right-handed gauge bosons. Physical Review D, 2014, 90, .	4.7	34
20	Displaced photon signal from a possible light scalar in minimal left-right seesaw model. Physical Review D, 2017, 95, .	4.7	34
21	TeV scale universal seesaw, vacuum stability and heavy Higgs. Journal of High Energy Physics, 2014, 2014, 1.	4.7	33
22	A theory of R(D*, D) anomaly with right-handed currents. Journal of High Energy Physics, 2019, 2019, 1.	4.7	33
23	Leptogenesis constraints on B â˜' L breaking Higgs boson in TeV scale seesaw models. Journal of High Energy Physics, 2018, 2018, 1.	4.7	30
24	Bounds on neutron-mirror neutron mixing from pulsar timing. Physical Review D, 2019, 100, .	4.7	27
25	Perturbativity constraints on U(1)Bâ^'L and left-right models and implications for heavy gauge boson searches. Journal of High Energy Physics, 2019, 2019, 1.	4.7	22
26	New Supernova Constraints on Sterile-Neutrino Production. Physical Review Letters, 1996, 77, 3066-3069.	7.8	21
27	Light Higgs mass bound in supersymmetric left-right models. Physical Review D, 2008, 78, .	4.7	21
28	Probing TeV scale origin of neutrino mass at future lepton colliders via neutral and doubly-charged scalars. Physical Review D, 2018, 98, .	4.7	21
29	Gauged discrete symmetries and proton stability. Physical Review D, 2007, 76, .	4.7	20
30	A naturally light sterile neutrino in an asymmetric dark matter model. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
31	Dark matter constraints on low mass and weakly coupled <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi><mml:mo>â^'</mml:mo><mml:mi>L</mml:mi></mml:math> gauge boson. Physical Review D, 2020, 102, .	4.7	16
32	Gauged flavor, supersymmetry and grand unification. , 2012, , .		15
33	CP violating effects in heavy neutrino oscillations: implications for colliders and leptogenesis. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
34	Model with dynamicalR-parity breaking and unstable gravitino dark matter. Physical Review D, 2008, 78, .	4.7	14
35	Vacuum structure of the left-right symmetric model. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
36	Affleck-Dine baryogenesis with observable neutron-antineutron oscillation. Physical Review D, 2021, 104, .	4.7	14

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37	Constraints on mirror models of dark matter from observable neutron-mirror neutron oscillation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 22-25.	4.1	13
38	Testing the bimodal/schizophrenic neutrino hypothesis in neutrinoless double beta decay and neutrino telescopes. Physical Review D, 2011, 83, .	4.7	12
39	LHC accessible second Higgs boson in the left-right model. Physical Review D, 2014, 89, .	4.7	12
40	Limiting equivalence principle violation and long-range baryonic force from neutron-antineutron oscillation. Physical Review D, 2016, 94, .	4.7	12
41	Freeze-in dark matter from a minimal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi><mml:mo>â^'</mml:mo><mml:mi>L</mml:mi></mml:math> model and possible grand unification. Physical Review D, 2020, 101, .	4.7	12
42	Limiting Lorentz violation from neutron-antineutron oscillation. Physical Review D, 2015, 91, .	4.7	11
43	Leptonic CP violation and proton decay in SUSY SO(10). Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
44	Light, long-lived B â^' L gauge and Higgs bosons at the DUNE near detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
45	Unified model for inflation, pseudo-Goldstone dark matter, neutrino mass, and baryogenesis. Physical Review D, 2022, 105, .	4.7	10
46	Determining Majorana nature of neutrino from nucleon decays and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>n</mml:mi><mml:mo>â^'</mml:mo><mml:mover accent="true"><mml:mrow><mml:mi>n</mml:mi></mml:mrow><mml:mrow><mml:mo accent="true" stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover></mml:mrow></mml:math>oscillations. Physical Review D, 2015, 91, .	4.7	9
47	Vector-like quarks and leptons, SU(5) âŠ— SU(5) grand unification, and proton decay. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
48	Grand unified parity solution to the strong <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:mrow></mml:math> problem. Physical Review D, 2019, 99, .	4.7	9
49	Neutrino masses and mixing in models with large extra dimensions and localized fermions. Physical Review D, 2021, 103, .	4.7	9
50	A LOW Î±s AND ITS CONSEQUENCES FOR UNIFIED MODEL BUILDING. International Journal of Modern Physics A, 1996, 11, 1699-1713.	1.5	8
51	Supernova constraints on a superlight gravitino. Physical Review D, 1998, 57, 578-582.	4.7	8
52	Dynamical R-parity breaking at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	7
53	Neutrino mass from Affleck-Dine leptogenesis and WIMP dark matter. Journal of High Energy Physics, 2022, 2022, 1.	4.7	7
54	Theoretical Constraints on Neutron-Mirror-Neutron Oscillation. Symmetry, 2022, 14, 731.	2.2	7

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55	Predictive Dirac and Majorana neutrino mass textures from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>6</mml:mn><mml:mo stretchy="false">)</mml:mo></mml:math> grand unified theories. Physical Review D, 2020, 102, .	4.7	5
56	Warm dark matter in two Higgs doublet models. Physical Review D, 2015, 91, .	4.7	4
57	Leptogenesis with TeV Scale <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>W</mml:mi><mml:mi>R</mml:mi></mml:msub></mml:math>. Physical Review D, 2018, 97, .	4.7	4
58	Expectations for neutron-antineutron oscillation time from TeV scale baryogenesis. , 2013, , .		2
59	Sterile neutrinos: Phenomenology and theory. , 1999, , .		1
60	Quark seesaw mechanism, dark <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:mo stretchy="false">)</mml:mo></mml:math> symmetry, and the baryon-dark matter coincidence. Physical Review D, 2017, 96, .	4.7	1
61	Minimally extended left-right symmetric model for dark matter with U(1) portal. Journal of High Energy Physics, 2018, 2018, 1.	4.7	1
62	No axion solution to strong CP using parity and supersymmetry. European Physical Journal: Special Topics, 2020, 229, 3229-3241.	2.6	1
63	Probing TeV Scale Seesaw and Leptogenesis at the LHC. , 2010, , .		0
64	Weak Interactions: From Currentâ€“Current to Standard Model and Beyond. , 2013, , 425-449.		0
65	From Old Symmetries to New Symmetries: Quarks, Leptons and B â€“ L. , 2015, , 245-263.		0
66	THEORETICAL IMPLICATIONS OF RECENT NEUTRINO DISCOVERIES. , 2000, , .		0