

# Michael J Ramsey-Musolf

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1490110/publications.pdf>

Version: 2024-02-01

69  
papers

4,565  
citations

147801

31  
h-index

95266

68  
g-index

70  
all docs

70  
docs citations

70  
times ranked

6201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroweak baryogenesis. <i>New Journal of Physics</i> , 2012, 14, 125003.	2.9	565
2	Electric dipole moments of nucleons, nuclei, and atoms: The Standard Model and beyond. <i>Progress in Particle and Nuclear Physics</i> , 2013, 71, 21-74.	14.4	393
3	CERN LHC phenomenology of an extended standard model with a real scalar singlet. <i>Physical Review D</i> , 2008, 77, .	4.7	359
4	Singlet Higgs phenomenology and the electroweak phase transition. <i>Journal of High Energy Physics</i> , 2007, 2007, 010-010.	4.7	332
5	Complex singlet extension of the standard model. <i>Physical Review D</i> , 2009, 79, .	4.7	217
6	Baryon washout, electroweak phase transition, and perturbation theory. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	200
7	Vacuum stability, perturbativity, and scalar singlet dark matter. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	190
8	Reduced Hadronic Uncertainty in the Determination of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}>V</mml:mi> \langle \text{mml:mi}>u</mml:mi> \langle \text{mml:mi}>d</mml:mi> \langle \text{mml:mrow}> \langle \text{mml:msub}>$ Physical Review Letters, 2018, 121, 241804.	7.8	183
9	Singlet-catalyzed electroweak phase transitions and precision Higgs boson studies. <i>Physical Review D</i> , 2015, 91, .	4.7	152
10	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 090501.	3.6	133
11	Complex scalar singlet dark matter: Vacuum stability and phenomenology. <i>Physical Review D</i> , 2012, 86, .	4.7	117
12	Dispersive evaluation of the inner radiative correction in neutron and nuclear $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi}>\hat{I}^2</mml:mi> \langle \text{mml:math}>$ decay. <i>Physical Review D</i> , 2019, 100, .	4.7	106
13	Probing the Higgs portal at the LHC through resonant di-Higgs production. <i>Physical Review D</i> , 2014, 89, .	4.7	93
14	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}>C</mml:mi> \langle \text{mml:mi}>P</mml:mi> \langle \text{mml:mrow}> \langle \text{mml:math}>$ -violating phenomenology of flavor conserving two Higgs doublet models. <i>Physical Review D</i> , 2014, 89, .	4.7	91
15	Triplet scalars and dark matter at the LHC. <i>Physical Review D</i> , 2009, 79, .	4.7	89
16	Standard model with a complex scalar singlet: Cosmological implications and theoretical considerations. <i>Physical Review D</i> , 2018, 97, .	4.7	78
17	Stepping into electroweak symmetry breaking: Phase transitions and Higgs phenomenology. <i>Physical Review D</i> , 2013, 88, .	4.7	75
18	A comprehensive analysis of electric dipole moment constraints on CP-violating phases in the MSSM. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	65

#	ARTICLE	IF	CITATIONS
19	<p>Model dependence of the <math>\langle \sigma v \rangle</math> dispersion correction to the parity-violating asymmetry in elastic scattering.</p> <p>Physical Review C, 2011, 84, .</p>	2.9	63
20	<p>Singlet-catalyzed electroweak phase transitions in the 100 TeV frontier. Physical Review D, 2016, 94, .</p>	4.7	63
21	<p>Nonperturbative analysis of the gravitational waves from a first-order electroweak phase transition. Physical Review D, 2019, 100, .</p>	4.7	60
22	<p>Higgs vacuum stability, neutrino mass, and dark matter. Physical Review D, 2012, 86, .</p>	4.7	53
23	<p>The electroweak phase transition: a collider target. Journal of High Energy Physics, 2020, 2020, 1.</p>	4.7	51
24	<p>Two-step electroweak baryogenesis. Physical Review D, 2016, 93, .</p>	4.7	50
25	<p>Electroweak phase transition in the real triplet extension of the SM: Dimensional reduction. Physical Review D, 2019, 100, .</p>	4.7	42
26	<p>Type-II seesaw scalar triplet model at a 100 TeV pp collider: discovery and higgs portal coupling determination. Journal of High Energy Physics, 2019, 2019, 1.</p>	4.7	41
27	<p>Higgs-Higgsino-gaugino induced two loop electric dipole moments. Physical Review D, 2008, 78, .</p>	4.7	39
28	<p>Doubly-charged scalars in the type II seesaw mechanism: Fundamental symmetry tests and high-energy searches. Physical Review D, 2018, 98, .</p>	4.7	38
29	<p>Thermodynamics of a Two-Step Electroweak Phase Transition. Physical Review Letters, 2021, 126, 171802.</p>	7.8	36
30	<p>Lepton-flavored electroweak baryogenesis. Physical Review D, 2017, 96, .</p>	4.7	35
31	<p>Exotic Higgs boson decays and the electroweak phase transition. Physical Review D, 2020, 101, .</p>	4.7	33
32	<p>Color breaking in the early universe. Physical Review D, 2013, 88, .</p>	4.7	28
33	<p>Color breaking baryogenesis. Physical Review D, 2018, 97, .</p>	4.7	28
34	<p>Stop-catalyzed baryogenesis beyond the MSSM. Physical Review D, 2015, 92, .</p>	4.7	27
35	<p>TeV lepton number violation: From neutrinoless double-<math>\beta</math> decay to the LHC. Physical Review D, 2016, 93, .</p>	4.7	27
36	<p><math>R\frac{1}{2}</math>MDM and lepton flavor violation. Journal of High Energy Physics, 2011, 2011, 1.</p>	4.7	25

#	ARTICLE	IF	CITATIONS
37	Distinguishing axions from generic light scalars using electric dipole moment and fifth-force experiments. <i>Physical Review D</i> , 2014, 90, .	4.7	24
38	Top squark with mass close to the top quark. <i>Physical Review D</i> , 2014, 90, .	4.7	23
39	Collider probes of real triplet scalar dark matter. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	23
40	Hadronic light-by-light scattering and the pion polarizability. <i>Physical Review D</i> , 2012, 86, .	4.7	22
41	Two-step electroweak symmetry-breaking: theory meets experiment. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	22
42	Impact of LSP character on Slepton reach at the LHC. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	21
43	Electron-to-tau lepton flavor violation at the Electron-Ion Collider. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	20
44	Scalar electroweak multiplet dark matter. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	18
45	Probing a scalar singlet-catalyzed electroweak phase transition with resonant di-Higgs boson production in the $4b$ channel. <i>Physical Review D</i> , 2019, 100, .	4.7	17
46	Diagnosing spin at the LHC via vector boson fusion. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	16
47	Supersymmetric electroweak baryogenesis via resonant sfermion sources. <i>Physical Review D</i> , 2012, 86, .	4.7	16
48	Left-Right Symmetry and Leading Contributions to Neutrinoless Double Beta Decay. <i>Physical Review Letters</i> , 2021, 126, 151801.	7.8	16
49	Electroweak baryogenesis with vector-like leptons and scalar singlets. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	15
50	Hidden from view: Neutrino masses, dark matter, and TeV-scale leptogenesis in a neutrinophilic two-Higgs-doublet model. <i>Physical Review D</i> , 2014, 89, .	4.7	13
51	Electroweak baryogenesis, electric dipole moments, and Higgs diphoton decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	13
52	Probing neutrino Dirac mass in left-right symmetric models at the LHC and next generation colliders. <i>Physical Review D</i> , 2019, 99, .	4.7	13
53	Leptophobic $Z\epsilon^2$ boson and parity-violating $eD$ scattering. <i>Physical Review D</i> , 2013, 87, .	4.7	12
54	Parity-violating and time-reversal-violating pion-nucleon couplings: Higher order chiral matching relations. <i>Physical Review C</i> , 2017, 96, .	2.9	11

#	ARTICLE	IF	CITATIONS
55	$\langle C \rangle \langle P \rangle$ -violating dark photon interaction. Physical Review D, 2020, 101, .	4.7	11
56	Coherent $\langle C \rangle \langle P \rangle$ conversion at next-to-leading order. Physical Review C, 2018, 98, .	4.7	10
57	Charged current universality and the MSSM. Physical Review D, 2013, 87, .	4.7	8
58	Parity-Violating MÅller Scattering at Next-to-Next-to-Leading Order: Closed Fermion Loops. Physical Review Letters, 2021, 126, 131801.	7.8	6
59	A real triplet-singlet extended Standard Model: dark matter and collider phenomenology. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
60	Next-to-leading order scalar contributions to $\langle C \rangle \langle P \rangle$ conversion. Physical Review C, 2022, 105, .	4.7	5
61	Indirect detection imprint of aCPviolating dark sector. Physical Review D, 2016, 93, .	4.7	4
62	Electric dipole moments from postsphaleron baryogenesis. Physical Review D, 2019, 99, .	4.7	4
63	$\langle C \rangle \langle P \rangle$ -violating dark photon kinetic mixing and type-III seesaw model. Physical Review D, 2022, 105, .	4.7	3
64	CP -violating Higgs boson ditau decays: Baryogenesis and Higgs factories. Physical Review D, 2021, 103, .	4.7	2
65	Probing extended scalar sectors with precision $e+e \rightarrow \hat{\tau}^+ \tau^-$ Zh and Higgs diphoton studies. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
66	Unraveling the left-right mixing using $\langle C \rangle \langle P \rangle$ decay and collider probes. Physical Review D, 2022, 105, .	4.7	1
67	Lepton number violation: From $\langle C \rangle \langle P \rangle$ decay to long-lived particle searches. Physical Review D, 2022, 105, .	4.7	2
68	Parity- and Time-Reversal Tests in Nuclear Physics. , 2013, , 155-170.		1
69	CHIRAL SYMMETRIES AND LOW ENERGY SEARCHES FOR NEW PHYSICS. , 2007, , .		0