Takeo Moroi

List of Publications by Year in Descending Order

69 papers	3,557 citations	25 h-index	59 g-index
69 ext. papers	3,828 ext. citations	4.9 avg, IF	5.62 L-index

#	Paper	IF	Citations
69	Upper bound on the smuon mass from vacuum stability in the light of muon g □2 anomaly. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2022**, 137163	4.2	0
68	Particle production from oscillating scalar field and consistency of Boltzmann equation. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	6
67	Light dark matter from inflaton decay. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	9
66	Axion/hidden-photon dark matter conversion into condensed matter axion. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	1
65	Hidden dark matter from Starobinsky inflation. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
64	Detecting light boson dark matter through conversion into a magnon. *Physical Review D*, **2020**, 101,	4.9	10
63	Determining wino lifetime in supersymmetric model at future 100 TeV pp colliders. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2020**, 803, 135260	4.2	4
62	Bounce configuration from gradient flow. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2020**, 800, 135115	4.2	11
61	Precise calculation of the decay rate of false vacuum with multi-field bounce. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	3
60	Studying gaugino masses in supersymmetric model at future 100 TeV pp collider. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	0
59	Indirect studies of electroweakly interacting particles at 100 TeV hadron colliders. *Physical Review D*, **2019**, 100,	4.9	4
58	Revisiting big-bang nucleosynthesis constraints on long-lived decaying particles. *Physical Review D*, **2018**, 97,	4.9	93
57	Supersymmetric flaxion. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	15
56	The swampland conjecture and the Higgs expectation value. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	27
55	Searching for metastable particles with sub-millimeter displaced vertices at hadron colliders. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	5
54	Decay rate of electroweak vacuum in the standard model and beyond. *Physical Review D*, **2018**, 97,	4.9	27
53	Extending the LHC reach for new physics with sub-millimeter displaced vertices. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2017**, 771, 568-575	4.2	7

52	On the gauge invariance of the decay rate of false vacuum. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2017**, 771, 281-287	4.2	17
51	State-of-the-Art Calculation of the Decay Rate of Electroweak Vacuum in the Standard Model. *Physical Review Letters*, **2017**, 119, 211801	7.4	54
50	Flaxion: a minimal extension to solve puzzles in the standard model. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	80
49	False vacuum decay in gauge theory. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	12
48	Bottom-tau unification in supersymmetric SU(5) models with extra matters. *Progress of Theoretical and Experimental Physics*, **2017**, 2017,	5.4	2
47	Upper bound on the gluino mass in supersymmetric models with extra matters. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2016**, 760, 681-688	4.2	0
46	Renormalization-scale uncertainty in the decay rate of false vacuum. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	12
45	Revisiting big-bang nucleosynthesis constraints on dark-matter annihilation. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2015**, 751, 246-250	4.2	24
44	Footprints of supersymmetry on Higgs decay. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	13
43	Isospin-violating dark matter with colored mediators. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	19
42	Reconstructing supersymmetric contribution to muon anomalous magnetic dipole moment at ILC. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2014**, 728, 274-281	4.2	11
41	Cosmological implications of high-energy neutrino emission from the decay of long-lived particle. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	39
40	Axion models with high scale inflation. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	16
39	Non-thermal production of Wino dark matter via the decay of long-lived particles. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	24
38	Scalar trapping and Saxion cosmology. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	16
37	Focus point assisted by right-handed neutrinos. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 708, 107-111	4.2	5
36	Extra matters decree the relatively heavy Higgs of mass about 125 GeV in the supersymmetric model. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 709, 218-221	4.2	54
35	Wino LSP detection in the light of recent Higgs searches at the LHC. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 710, 159-163	4.2	25

34	Boltzmann equation for non-equilibrium particles and its application to non-thermal dark matter production. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	13
33	Exploring supersymmetric model with very light gravitino at the LHC. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	5
32	Domain walls and gravitational waves after thermal inflation. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 703, 160-166	4.2	11
31	Non-anomalous discrete R-symmetry, extra matters, and enhancement of the lightest SUSY Higgs mass. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 705, 337-341	4.2	22
30	Cosmological constraints on dark matter models with velocity-dependent annihilation cross section. *Physical Review D*, **2011**, 83,	4.9	52
29	Decaying dark matter in supersymmetric model and cosmic-ray observations. *Journal of High Energy Physics*, **2010**, 2010, 1	5.4	9
28	Mass measurement of the decaying Bino at the LHC. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2009**, 672, 339-343	4.2	23
27	Test of anomaly mediation at the LHC. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2008**, 664, 185-189	4.2	56
26	Possible signals of wino LSP at the Large Hadron Collider. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2007**, 644, 355-360	4.2	154
25	Testing the anomaly mediation at the LHC. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2007**, 653, 81-87	4.2	34
24	QCD correction to neutralino annihilation process and dark matter density in supersymmetric models. *Physical Review D*, **2006**, 74,	4.9	6
23	Dark matter and baryon asymmetry of the universe in large-cutoff supergravity. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2005**, 620, 9-16	4.2	14
22	Reconstructing dark matter density with linear collider in focus-point supersymmetry. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2005**, 625, 79-87	4.2	11
21	Supersymmetric heavy Higgs bosons at e+e linear collider and dark-matter physics. *Physical Review D*, **2005**, 72,	4.9	7
20	Muon magnetic dipole moment and Higgs mass in supersymmetric SU(5) models. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2002**, 525, 121-129	4.2	6
19	Top-Squark Study at a Futuree+e linear Collider. *Journal of High Energy Physics*, **2002**, 2002, 011-011	5.4	12
18	Anomaly-Mediated Supersymmetry Breaking with Axion. *Journal of High Energy Physics*, **2002**, 2002, 010-010	5.4	27
17	Recent result from E821 experiment on muon g 2 and unconstrained minimal supersymmetric Standard Model. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2001**, 506, 93-98	4.2	75

16	No-scale scenarios in the light of new measurement of muon anomalous magnetic moment. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2001**, 507, 224-230	4.2	37
15	Focus points and naturalness in supersymmetry. *Physical Review D*, **2000**, 61,	4.9	367
14	Supernatural supersymmetry: Phenomenological implications of anomaly-mediated supersymmetry breaking. *Physical Review D*, **2000**, 61,	4.9	100
13	Multi-TeV scalars are natural in minimal supergravity. *Physical Review Letters*, **2000**, 84, 2322-5	7.4	400
12	Wino cold dark matter from anomaly mediated SUSY breaking. *Nuclear Physics B*, **2000**, 570, 455-472	2.8	473
11	Radiative decay of a long-lived particle and big-bang nucleosynthesis. *Physical Review D*, **1999**, 60,	4.9	103
10	Discovering Supersymmetry at the Tevatron in W-ino Lightest Supersymmetric Particle Scenarios. *Physical Review Letters*, **1999**, 83, 1731-1734	7.4	176
9	Electric dipole moments in gauge mediated models and a solution to the SUSY CP problem. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1999**, 447, 75-82	4.2	9
8	Fermilab Tevatron signatures of long-lived charged sleptons in gauge-mediated supersymmetry breaking models. *Physical Review D*, **1998**, 58,	4.9	66
7	Third generation familons, B factories, and neutrino cosmology. *Physical Review D*, **1998**, 57, 5875-5892	4.9	65
6	Cosmological moduli problem in a supersymmetric model with direct gauge mediation. *Physical Review D*, **1998**, 58,	4.9	5
5	Determining tan□from the SUSY Higgs sector at future e+e□colliders. *Physical Review D*, **1997**, 56, 5962-5980	4.9	22
4	New mechanism of flavor symmetry breaking from supersymmetric strong dynamics. *Physical Review D*, **1997**, 56, 7183-7192	4.9	10
3	Cosmology of supersymmetric models with low-energy gauge mediation. *Physical Review D*, **1997**, 56, 1281-1299	4.9	143
2	Solving the Crisis in Big-Bang Nucleosynthesis by the Radiative Decay of an Exotic Particle. *Physical Review Letters*, **1996**, 77, 3712-3715	7.4	12
1	Muon anomalous magnetic dipole moment in the minimal supersymmetric standard model. *Physical Review D*, **1996**, 53, 6565-6575	4.9	387