

Takeo Moroi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Wino cold dark matter from anomaly mediated SUSY breaking. <i>Nuclear Physics B</i> , 2000 , 570, 455-472	2.8	473
68	Multi-TeV scalars are natural in minimal supergravity. <i>Physical Review Letters</i> , 2000 , 84, 2322-5	7.4	400
67	Muon anomalous magnetic dipole moment in the minimal supersymmetric standard model. <i>Physical Review D</i> , 1996 , 53, 6565-6575	4.9	387
66	Focus points and naturalness in supersymmetry. <i>Physical Review D</i> , 2000 , 61,	4.9	367
65	Discovering Supersymmetry at the Tevatron in W-ino Lightest Supersymmetric Particle Scenarios. <i>Physical Review Letters</i> , 1999 , 83, 1731-1734	7.4	176
64	Possible signals of wino LSP at the Large Hadron Collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 644, 355-360	4.2	154
63	Cosmology of supersymmetric models with low-energy gauge mediation. <i>Physical Review D</i> , 1997 , 56, 1281-1299	4.9	143
62	Radiative decay of a long-lived particle and big-bang nucleosynthesis. <i>Physical Review D</i> , 1999 , 60,	4.9	103
61	Supernatural supersymmetry: Phenomenological implications of anomaly-mediated supersymmetry breaking. <i>Physical Review D</i> , 2000 , 61,	4.9	100
60	Revisiting big-bang nucleosynthesis constraints on long-lived decaying particles. <i>Physical Review D</i> , 2018 , 97,	4.9	93
59	Flaxion: a minimal extension to solve puzzles in the standard model. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	80
58	Recent result from E821 experiment on muon $g-2$ and unconstrained minimal supersymmetric Standard Model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 506, 93-98	4.2	75
57	Fermilab Tevatron signatures of long-lived charged sleptons in gauge-mediated supersymmetry breaking models. <i>Physical Review D</i> , 1998 , 58,	4.9	66
56	Third generation familons, B factories, and neutrino cosmology. <i>Physical Review D</i> , 1998 , 57, 5875-5892	4.9	65
55	Test of anomaly mediation at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 664, 185-189	4.2	56
54	Extra matters decree the relatively heavy Higgs of mass about 125 GeV in the supersymmetric model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 218-221	4.2	54
53	State-of-the-Art Calculation of the Decay Rate of Electroweak Vacuum in the Standard Model. <i>Physical Review Letters</i> , 2017 , 119, 211801	7.4	54

52	Cosmological constraints on dark matter models with velocity-dependent annihilation cross section. <i>Physical Review D</i> , 2011 , 83,	4.9	52
51	Cosmological implications of high-energy neutrino emission from the decay of long-lived particle. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	39
50	No-scale scenarios in the light of new measurement of muon anomalous magnetic moment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 507, 224-230	4.2	37
49	Testing the anomaly mediation at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 653, 81-87	4.2	34
48	Anomaly-Mediated Supersymmetry Breaking with Axion. <i>Journal of High Energy Physics</i> , 2002 , 2002, 010-010	4.0	27
47	The swampland conjecture and the Higgs expectation value. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	27
46	Decay rate of electroweak vacuum in the standard model and beyond. <i>Physical Review D</i> , 2018 , 97,	4.9	27
45	Wino LSP detection in the light of recent Higgs searches at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 159-163	4.2	25
44	Revisiting big-bang nucleosynthesis constraints on dark-matter annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 246-250	4.2	24
43	Non-thermal production of Wino dark matter via the decay of long-lived particles. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	24
42	Mass measurement of the decaying Bino at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 672, 339-343	4.2	23
41	Non-anomalous discrete R-symmetry, extra matters, and enhancement of the lightest SUSY Higgs mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 337-341	4.2	22
40	Determining $\tan\beta$ from the SUSY Higgs sector at future e+e- colliders. <i>Physical Review D</i> , 1997 , 56, 5962-5980	4.9	22
39	Isospin-violating dark matter with colored mediators. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
38	On the gauge invariance of the decay rate of false vacuum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 281-287	4.2	17
37	Scalar trapping and Saxion cosmology. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	16
36	Axion models with high scale inflation. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
35	Supersymmetric flaxion. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15

34	Dark matter and baryon asymmetry of the universe in large-cutoff supergravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 620, 9-16	4.2	14
33	Boltzmann equation for non-equilibrium particles and its application to non-thermal dark matter production. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13
32	Footprints of supersymmetry on Higgs decay. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	13
31	Renormalization-scale uncertainty in the decay rate of false vacuum. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
30	False vacuum decay in gauge theory. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
29	Top-Squark Study at a Future e^+e^- Linear Collider. <i>Journal of High Energy Physics</i> , 2002 , 2002, 011-011	5.4	12
28	Solving the Crisis in Big-Bang Nucleosynthesis by the Radiative Decay of an Exotic Particle. <i>Physical Review Letters</i> , 1996 , 77, 3712-3715	7.4	12
27	Reconstructing supersymmetric contribution to muon anomalous magnetic dipole moment at ILC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 274-281	4.2	11
26	Domain walls and gravitational waves after thermal inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 160-166	4.2	11
25	Reconstructing dark matter density with linear collider in focus-point supersymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 625, 79-87	4.2	11
24	Bounce configuration from gradient flow. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135115	4.2	11
23	Detecting light boson dark matter through conversion into a magnon. <i>Physical Review D</i> , 2020 , 101,	4.9	10
22	New mechanism of flavor symmetry breaking from supersymmetric strong dynamics. <i>Physical Review D</i> , 1997 , 56, 7183-7192	4.9	10
21	Decaying dark matter in supersymmetric model and cosmic-ray observations. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	9
20	Electric dipole moments in gauge mediated models and a solution to the SUSY CP problem. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 447, 75-82	4.2	9
19	Light dark matter from inflaton decay. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	9
18	Extending the LHC reach for new physics with sub-millimeter displaced vertices. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 568-575	4.2	7
17	Supersymmetric heavy Higgs bosons at e^+e^- linear collider and dark-matter physics. <i>Physical Review D</i> , 2005 , 72,	4.9	7

16	QCD correction to neutralino annihilation process and dark matter density in supersymmetric models. <i>Physical Review D</i> , 2006 , 74,	4.9	6
15	Muon magnetic dipole moment and Higgs mass in supersymmetric SU(5) models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 525, 121-129	4.2	6
14	Particle production from oscillating scalar field and consistency of Boltzmann equation. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
13	Focus point assisted by right-handed neutrinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 107-111	4.2	5
12	Exploring supersymmetric model with very light gravitino at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	5
11	Cosmological moduli problem in a supersymmetric model with direct gauge mediation. <i>Physical Review D</i> , 1998 , 58,	4.9	5
10	Searching for metastable particles with sub-millimeter displaced vertices at hadron colliders. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
9	Determining wino lifetime in supersymmetric model at future 100 TeV pp colliders. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135260	4.2	4
8	Indirect studies of electroweakly interacting particles at 100 TeV hadron colliders. <i>Physical Review D</i> , 2019 , 100,	4.9	4
7	Precise calculation of the decay rate of false vacuum with multi-field bounce. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
6	Bottom-tau unification in supersymmetric SU(5) models with extra matters. <i>Progress of Theoretical and Experimental Physics</i> , 2017 , 2017,	5.4	2
5	Axion/hidden-photon dark matter conversion into condensed matter axion. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
4	Studying gaugino masses in supersymmetric model at future 100 TeV pp collider. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
3	Upper bound on the gluino mass in supersymmetric models with extra matters. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 681-688	4.2	0
2	Hidden dark matter from Starobinsky inflation. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
1	Upper bound on the smuon mass from vacuum stability in the light of muon $g-2$ anomaly. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 137163	4.2	0