

Mitsuru Kakizaki

List of Publications by Year in descending order

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49
papers

2,099
citations

279798

23
h-index

254184

43
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49
all docs

49
docs citations

49
times ranked

3129
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
2	Gravitational waves as a probe of extended scalar sectors with the first order electroweak phase transition. <i>Physical Review D</i> , 2015, 92, .	4.7	102
3	Construction of KAGRA: an underground gravitational-wave observatory. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	6.6	73
4	Lepton flavor violation in the triplet Higgs model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 566, 210-216.	4.1	68
5	Gravitational waves and Higgs boson couplings for exploring first order phase transition in the model with a singlet scalar field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 766, 49-54.	4.1	68
6	Relic abundance of dark matter in the minimal universal extra dimension model. <i>Physical Review D</i> , 2006, 74, .	4.7	67
7	Dark matter in UED: the role of the second KK level. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 009-009.	5.4	66
8	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	66
9	Synergy between measurements of gravitational waves and the triple-Higgs coupling in probing the first-order electroweak phase transition. <i>Physical Review D</i> , 2016, 94, .	4.7	61
10	Significant effects of second Kaluza-Klein particles on dark matter physics. <i>Physical Review D</i> , 2005, 71, .	4.7	56
11	Light mixed sneutrinos as thermal dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 017-017.	5.4	46
12	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 165008.	4.0	45
13	Relic abundance of LKP dark matter in UED model including effects of second KK resonances. <i>Nuclear Physics B</i> , 2006, 735, 84-95.	2.5	43
14	Selecting models of first-order phase transitions using the synergy between collider and gravitational-wave experiments. <i>Physical Review D</i> , 2019, 99, .	4.7	40
15	Abundance of cosmological relics in low-temperature scenarios. <i>Physical Review D</i> , 2006, 73, .	4.7	38
16	Gravitational waves from first order electroweak phase transition in models with the U(1) X gauge symmetry. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	35
17	Democratic (s)fermions and lepton flavor violation. <i>Physical Review D</i> , 2003, 68, .	4.7	34
18	Testing minimal universal extra dimensions using Higgs boson searches at the LHC. <i>Physical Review D</i> , 2013, 87, .	4.7	31

#	ARTICLE	IF	CITATIONS
19	Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	31
20	New constraint on squark flavor mixing from ^{199}Hg electric dipole moment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 186-191.	4.1	28
21	Splitting Triplet and Doublet in Extra Dimensions. Progress of Theoretical Physics, 2002, 107, 433-441.	2.0	27
22	Hadronic EDMs in SUSY SU(5) GUTs with right-handed neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 604, 216-224.	4.1	27
23	Constraints on the very early universe from thermal WIMP dark matter. Physical Review D, 2007, 76, .	4.7	26
24	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
25	Phenomenological signatures of mixed complex scalar WIMP dark matter. International Journal of Modern Physics A, 2017, 32, 1750038.	1.5	19
26	PROTON DECAY, FERMION MASSES AND TEXTURE FROM EXTRA DIMENSIONS IN SUSY GUT's. International Journal of Modern Physics A, 2004, 19, 1715-1736.	1.5	17
27	Higgs sector as a probe of supersymmetric grand unification with the Hosotani mechanism. Physical Review D, 2014, 89, .	4.7	17
28	Thermal abundance of semirelativistic relics. Physical Review D, 2009, 80, .	4.7	16
29	Vector WIMP miracle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 211-215.	4.1	15
30	U(1) flavor symmetry and proton decay in supersymmetric standard model. Journal of High Energy Physics, 2002, 2002, 032-032.	4.7	13
31	The status of KAGRA underground cryogenic gravitational wave telescope. Journal of Physics: Conference Series, 2020, 1342, 012014.	0.4	12
32	Singular Kähler potential and heavy top quark in a democratic mass matrix model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 573, 123-130.	4.1	10
33	Higgs Phenomenology of Minimal Universal Extra Dimensions. EPJ Web of Conferences, 2012, 28, 12070.	0.3	10
34	Phenomenological constraints on light mixed sneutrino dark matter scenarios. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 44-49.	4.1	10
35	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. Classical and Quantum Gravity, 2019, 36, 095015.	4.0	9
36	Thermal abundance of non-relativistic relics with Sommerfeld enhancement. Nuclear Physics B, 2011, 851, 57-65.	2.5	8

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37	Large supersymmetric contribution to CP asymmetry of $B_d \rightarrow \bar{c} s$ from left-handed squark mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 594, 205-212.	4.1	7
38	Application of independent component analysis to the iKAGRA data. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	7
39	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. Classical and Quantum Gravity, 2021, 38, 065011.	4.0	7
40	Indirect reach of heavy MSSM Higgs bosons by precision measurements at future lepton colliders. International Journal of Modern Physics A, 2015, 30, 1550192.	1.5	6
41	Hadronic EDM constraints on orbifold GUTs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 624, 239-249.	4.1	4
42	Higgs potential in gauge-Higgs unification with a flat extra dimension. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136637.	4.1	3
43	Dark radiation in spectator axion-gauge models. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	3
44	Hadronic EDMs in SUSY GUTs. AIP Conference Proceedings, 2005, , .	0.4	0
45	Cosmological Constraint on the Minimal Universal Extra Dimension Model. AIP Conference Proceedings, 2007, , .	0.4	0
46	Abundance of Cosmological Relics in Low-Temperature Scenarios. AIP Conference Proceedings, 2007, , .	0.4	0
47	Proton stability in low-scale extra-dimensional grand unified theories. Physical Review D, 2013, 88, .	4.7	0
48	Higgs Phenomenology of the Supersymmetric Grand Unification with the Hosotani Mechanism. Nuclear and Particle Physics Proceedings, 2016, 273-275, 781-787.	0.5	0
49	(S)FERMION MASSES AND LEPTON FLAVOR VIOLATION – A DEMOCRATIC APPROACH. , 2004, , .		0