

Kiwoon Choi

List of Publications by Year in descending order

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91
papers

3,541
citations

101543

36
h-index

138484

58
g-index

91
all docs

91
docs citations

91
times ranked

2675
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenomenology of mixed modulus-anomaly mediation in fluxed string compactifications and brane models. <i>Journal of High Energy Physics</i> , 2005, 2005, 039-039.	4.7	216
2	Realizing the relaxation from multiple axions and its UV completion with high scale supersymmetry. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	181
3	Little SUSY hierarchy in mixed modulus-anomaly mediation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 633, 355-361.	4.1	137
4	Harmful axions in superstring models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 154, 393-396.	4.1	133
5	Natural inflation with multiple sub-Planckian axions. <i>Physical Review D</i> , 2014, 90, .	4.7	127
6	String or M theory axion as a quintessence. <i>Physical Review D</i> , 2000, 62, .	4.7	113
7	The gaugino code. <i>Journal of High Energy Physics</i> , 2007, 2007, 006-006.	4.7	108
8	Cosmological implications of radiatively generated axion scale. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 403, 209-217.	4.1	107
9	Hadronic axion window and the big-bang nucleosynthesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 316, 51-56.	4.1	100
10	Compactification and axions in $E_8 \tilde{A} - E_8$ superstring models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 165, 71-75.	4.1	98
11	Mass Renormalization by Instantons and the StrongCPProblem. <i>Physical Review Letters</i> , 1988, 61, 794-797.	7.8	90
12	Majorons and supernova cooling. <i>Physical Review D</i> , 1990, 42, 293-306.	4.7	82
13	Is CP a gauge symmetry?. <i>Nuclear Physics B</i> , 1993, 391, 515-530.	2.5	82
14	Supersymmetry breaking and moduli stabilization with anomalous $U(1)$ gauge symmetry. <i>Journal of High Energy Physics</i> , 2006, 2006, 007-007.	4.7	74
15	Recent Progress in the Physics of Axions and Axion-Like Particles. <i>Annual Review of Nuclear and Particle Science</i> , 2021, 71, 225-252.	10.2	73
16	Axions and the strongCPproblem inMtheory. <i>Physical Review D</i> , 1997, 56, 6588-6600.	4.7	68
17	Effective interactions of axion supermultiplet and thermal production of axino dark matter. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	63
18	17 keV neutrino in a singlet-triplet majoron model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 267, 504-508.	4.1	62

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19	Four-dimensional effective supergravity and soft terms in Mtheory. Physical Review D, 1998, 57, 7521-7528.	4.7	59
20	TeV scale mirage mediation and natural little supersymmetric hierarchy. Physical Review D, 2007, 75, .	4.7	54
21	Higgs mixing and diphoton rate enhancement in NMSSM models. Journal of High Energy Physics, 2013, 2013, 1.	4.7	54
22	Neutralino dark matter in mirage mediation. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 017-017.	5.4	52
23	Dynamical axion. Physical Review D, 1985, 32, 1828-1834.	4.7	49
24	Constraints on relaxion windows. Journal of High Energy Physics, 2016, 2016, 1.	4.7	47
25	Supersymmetry hierarchy problems and anomalous horizontal U(1) symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 394, 89-98.	4.1	46
26	Supergravity Radiative Effects on Soft Terms and the $\hat{1}/4$ Term. Physical Review Letters, 1998, 80, 3686-3689.	7.8	46
27	String theoretic QCD axion with stabilized saxion and the pattern of supersymmetry breaking. Journal of High Energy Physics, 2007, 2007, 103-103.	4.7	46
28	QCD Axion from a Higher Dimensional Gauge Field Theory. Physical Review Letters, 2004, 92, 101602.	7.8	45
29	Cosmological Constant and Soft Terms in Supergravity. Physical Review Letters, 1994, 73, 1758-1761.	7.8	43
30	String theoretic axion coupling and the evolution of cosmic structures. Physical Review D, 2000, 61, .	4.7	43
31	Electroweak Symmetry Breaking in Supersymmetric Gauge-Higgs Unification Models. Journal of High Energy Physics, 2004, 2004, 037-037.	4.7	42
32	Gauge coupling renormalization in orbifold field theories. Journal of High Energy Physics, 2002, 2002, 033-033.	4.7	41
33	Minimal flavor violation with axion-like particles. Journal of High Energy Physics, 2017, 2017, 1.	4.7	40
34	Small supersymmetric phases in string-inspired supergravity. Physical Review Letters, 1994, 72, 1592-1595.	7.8	38
35	Probing the messenger of supersymmetry breaking by the muon anomalous magnetic moment. Physical Review D, 2001, 64, .	4.7	37
36	Domain Walls in Superstring Models. Physical Review Letters, 1985, 55, 2637-2640.	7.8	36

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37	Effects of $\hat{I}\hat{\alpha}\epsilon^2$ in low-energy axion physics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 181, 145-149.	4.1	36
38	Invisible-Axion Emissions from SN 1987A. Physical Review Letters, 1989, 62, 849-851.	7.8	30
39	Axion cosmology with a stronger QCD in the early universe. Nuclear Physics B, 1997, 490, 349-364.	2.5	30
40	MODULI STABILIZATION IN HETEROTIC M-THEORY. Modern Physics Letters A, 1999, 14, 125-133.	1.2	30
41	How precisely can one determine μ/m_d ?. Nuclear Physics B, 1992, 383, 58-72.	2.5	29
42	Sparticle spectrum of large volume compactification. Journal of High Energy Physics, 2011, 2011, 1.	4.7	28
43	Peccei-Quinn NMSSM in the light of 125 GeV Higgs. Journal of High Energy Physics, 2012, 2012, 1.	4.7	28
44	Constraints on the Majoron interactions from the supernova SN1987A. Physical Review D, 1988, 37, 3225-3230.	4.7	27
45	Sparticle masses in deflected mirage mediation. Journal of High Energy Physics, 2009, 2009, 107-107.	4.7	26
46	Reducing combinatorial uncertainties: a new technique based on M^2 variables. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
47	Aligned natural inflation with modulations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 520-527.	4.1	26
48	The dS swampland conjecture with the electroweak symmetry and QCD chiral symmetry breaking. Journal of High Energy Physics, 2018, 2018, 1.	4.7	24
49	Wormhole solution to the strongCPproblem. Physical Review Letters, 1989, 62, 2575-2578.	7.8	23
50	Small instanton contribution to the axion potential in supersymmetric models. Physical Review D, 1999, 59, .	4.7	23
51	Proton decay with a light gravitino or axino. Physical Review D, 1997, 55, R3924-R3926.	4.7	22
52	Late-Time Magnetogenesis Driven by Axionlike Particle Dark Matter and a Dark Photon. Physical Review Letters, 2018, 121, 031102.	7.8	22
53	Reconstructing the Higgs boson in dileptonic W decays at hadron colliders. Physical Review D, 2009, 80, .	4.7	21
54	Fermion electric dipole moments in supersymmetric models with R-parity violation. Physical Review D, 2000, 63, .	4.7	19

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55	Bimaximal neutrino mixing and small θ_{13} from Abelian flavor symmetry. <i>Physical Review D</i> , 2001, 64, .	4.7	19
56	Dark radiation and small-scale structure problems with decaying particles. <i>Physical Review D</i> , 2012, 86, .	4.7	19
57	The μ problem and B and L conservation with a discrete gauged R symmetry. <i>Physical Review D</i> , 1997, 55, 7010-7014.	4.7	17
58	String theoretic QCD axions in the light of PLANCK and BICEP2. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	16
59	Constraints on R parity and B violating couplings in gauge-mediated supersymmetry breaking models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 428, 129-135.	4.1	15
60	Sneutrino-Antineutrino Mixing and Neutrino Mass in Anomaly-Mediated Supersymmetry Breaking Scenario. <i>Physical Review Letters</i> , 2002, 88, 141801.	7.8	14
61	Mixed mediation of supersymmetry breaking with anomalous $U(1)$ gauge symmetry. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	14
62	General continuum clockwork. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	14
63	Axino as a sterile neutrino and R parity violation. <i>Physical Review D</i> , 2001, 64, .	4.7	13
64	Flavor hierarchy from extra dimension and gauge threshold correction. <i>Nuclear Physics B</i> , 2004, 687, 101-123.	2.5	13
65	Axion-photon-dark photon oscillation and its implication for 21-cm observation. <i>Physical Review D</i> , 2020, 102, .	4.7	13
66	Constraints from nucleosynthesis and SN 1987A on Majoron-emitting double β decay. <i>Physical Review D</i> , 1994, 49, R12-R15.	4.7	12
67	The μ problem and the axion in gauge mediation. <i>Physical Review D</i> , 2011, 83, .	4.7	12
68	String unification and threshold effects. <i>Physical Review D</i> , 1988, 37, 1564-1569.	4.7	11
69	Cosmology of light moduli. <i>Physical Review D</i> , 1998, 58, .	4.7	11
70	Gauged $U(1)_R$ Symmetries and Fayet-Iliopoulos Terms in 5D Orbifold Supergravity. <i>Journal of High Energy Physics</i> , 2004, 2004, 069-069.	4.7	11
71	Gamma-ray spectral modulations induced by photon-ALP-dark photon oscillations. <i>Physical Review D</i> , 2020, 101, .	4.7	11
72	Dynamical solution to the μ problem at the TeV scale. <i>Physical Review D</i> , 1999, 61, .	4.7	10

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73	Higgs phenomenology in the Peccei-Quinn invariant NMSSM. Journal of High Energy Physics, 2014, 2014, 1.	4.7	10
74	Precision axion physics with running axion couplings. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
75	Axion emission from supernova with axion-pion-nucleon contact interaction. Journal of High Energy Physics, 2022, 2022, 1.	4.7	10
76	An automatic invisible axion in the SUSY preon model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 333, 364-371.	4.1	9
77	Instantons and chiral Lagrangian. Physical Review D, 1989, 40, 890-901.	4.7	8
78	Light quark masses and quarkonium decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 292, 159-163.	4.1	7
79	Measuring the Higgs boson mass with transverse mass variables. Physical Review D, 2010, 82, .	4.7	7
80	Wormholes and Peccei-Quinn symmetries. Physical Review Letters, 1990, 64, 131-134.	7.8	5
81	Induced \hat{J} contribution to the neutron electric dipole moment. Physical Review D, 1991, 44, 2196-2199.	4.7	5
82	Dynamical gauge coupling unification from moduli stabilization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 642, 404-410.	4.1	5
83	Axion scales and couplings with Stueckelberg mixing. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
84	Phenomenology of soft terms in the presence of nonvanishing hidden sector potential energy. Nuclear Physics B, 1995, 442, 3-20.	2.5	3
85	Goldstone supermultiplet as the messenger of supersymmetry breaking. Physical Review D, 1996, 54, R6591-R6595.	4.7	3
86	Moduli stabilization and the pattern of sparticle spectra. , 2008, , .		3
87	Strong CP problem and flat potential. Physical Review D, 1985, 31, 1428-1431.	4.7	2
88	Gauge threshold corrections in warped geometry. New Journal of Physics, 2010, 12, 075014.	2.9	2
89	THERMAL PRODUCTION OF AXINO DARK MATTER. International Journal of Modern Physics Conference Series, 2012, 10, 107-114.	0.7	1
90	Mirage Mediation. AIP Conference Proceedings, 2006, , .	0.4	0

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91	ATMOSPHERIC AND SOLAR NEUTRINO MASSES AND ABELIAN FLAVOR SYMMETRY. , 2001, , .		0