

# Kimyeong Lee

## List of Publications by Year in descending order

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121  
papers

4,927  
citations

81743

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122  
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122  
docs citations

122  
times ranked

1313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bootstrapping fermionic rational CFTs with three characters. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
2	Elliptic quantum curves of 6d SO(N) theories. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
3	S-foldings of 5d SCFTs. Journal of High Energy Physics, 2022, 2022, .	1.6	4
4	Higgsing towards E-strings. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
5	Fermionic rational conformal field theories and modular linear differential equations. Progress of Theoretical and Experimental Physics, 2021, 2021, .	1.8	11
6	Cardy limits of 6d superconformal theories. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
7	Twisted 6d (2, 0) SCFTs on a circle. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
8	Non-unitary TQFTs from 3D $\mathcal{N} = 4$ rank 0 SCFTs. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
9	Conformal Field Theories with Sporadic Group Symmetry. Communications in Mathematical Physics, 2021, 388, 1-105.	1.0	9
10	Complete prepotential for 5d $\mathcal{N} = 1$ superconformal field theories. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
11	Magnetically charged AdS5 black holes from class $\mathcal{S}$ theories on hyperbolic 3-manifolds. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
12	Higgsing and twisting of 6d DN gauge theories. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
13	Algebraic surfaces, four-folds and moonshine. Journal of High Energy Physics, 2019, 2019, 1.	1.6	0
14	Monster anatomy. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
15	Rank-3 antisymmetric matter on 5-brane webs. Journal of High Energy Physics, 2019, 2019, 1.	1.6	34
16	6d SCFTs, 5d dualities and Tao web diagrams. Journal of High Energy Physics, 2019, 2019, 1.	1.6	43
17	Instantons from blow-up. Journal of High Energy Physics, 2019, 2019, 1.	1.6	20
18	Dualities and 5-brane webs for 5d rank 2 SCFTs. Journal of High Energy Physics, 2018, 2018, 1.	1.6	52

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19	On elliptic genera of 6d string theories. Journal of High Energy Physics, 2018, 2018, 1.	1.6	24
20	5-brane webs for 5d $\mathcal{N} = 1$ G2 gauge theories. Journal of High Energy Physics, 2018, 2018, 1.	1.6	49
21	Localization techniques in quantum field theories. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 440301.	0.7	154
22	Equivalence of several descriptions for 6d SCFT. Journal of High Energy Physics, 2017, 2017, 1.	1.6	33
23	Indices for 6 dimensional superconformal field theories. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 443017.	0.7	16
24	Elliptic genus of E-strings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	50
25	Little strings on $D_n$ orbifolds. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
26	Discrete theta angle from an O5-plane. Journal of High Energy Physics, 2017, 2017, 1.	1.6	30
27	More on 5d descriptions of 6d SCFTs. Journal of High Energy Physics, 2016, 2016, 1.	1.6	59
28	Little strings and T-duality. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
29	A new 5d description of 6d D-type minimal conformal matter. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
30	Super-Yang-Mills theories on $S^4/\mathbb{Z}_2$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
31	Supersymmetric M5 brane theories on $R^4/\mathbb{Z}_2$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	35
32	Quantum mechanical Hamiltonians with large ground-state degeneracy. Annals of Physics, 2013, 331, 258-268.	1.0	0
33	Line Operator Index on $S^1/\mathbb{Z}_3$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	37
34	5-dim superconformal index with enhanced $E_n$ global symmetry. Journal of High Energy Physics, 2012, 2012, 1.	1.6	145
35	Superconformal index with duality domain wall. Journal of High Energy Physics, 2012, 2012, 1.	1.6	25
36	Emergent Schrödinger geometries from mass-deformed CFT. Journal of High Energy Physics, 2011, 2011, 1.	1.6	1

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37	On instantons as Kaluza-Klein modes of M5-branes. Journal of High Energy Physics, 2011, 2011, 1.	1.6	94
38	Instanton partons in 5-dimensional SU(N) gauge theory. Physical Review D, 2011, 84, .	1.6	11
39	1/4 BPS string junctions and N=3 problem in 6-dimensional (2,0) superconformal theories. Physical Review D, 2011, 84, .	1.6	5
40	1/2-BPS Wilson loops and vortices in ABJM model. Journal of High Energy Physics, 2010, 2010, 1.	1.6	39
41	BPS magnetic monopole bags. Physical Review D, 2009, 79, .	1.6	11
42	Mass-deformed Bagger-Lambert theory and its BPS objects. Physical Review D, 2008, 78, .	1.6	74
43	All higher genus BPS membranes in the plane wave background. Journal of High Energy Physics, 2005, 2005, 035-035.	1.6	18
44	BPS electromagnetic waves on giant gravitons. Journal of High Energy Physics, 2005, 2005, 111-111.	1.6	14
45	BPS objects in N=2 supersymmetric gauge theories. Physical Review D, 2005, 72, .	1.6	17
46	The N=1* Theories on R <sup>1,2</sup> S <sup>1</sup> with Twisted Boundary Conditions. Journal of High Energy Physics, 2004, 2004, 040-040.	1.6	12
47	1/4 BPS dyonic calorons. Physical Review D, 2003, 67, .	1.6	7
48	Dyonic instanton as supertube between D4-branes. Journal of High Energy Physics, 2003, 2003, 035-035.	1.6	22
49	First and second order vortex dynamics. Physical Review D, 2002, 66, .	1.6	10
50	Quantum field dynamics in a uniform magnetic field: Description using fields in oblique phase space. Physical Review D, 2002, 65, .	1.6	5
51	BPS equations in six and eight dimensions. Physical Review D, 2002, 66, .	1.6	36
52	Discrete light cone quantization of fivebranes, large N screening, and L <sup>2</sup> harmonic forms on Calabi manifolds. Physical Review D, 2002, 65, .	1.6	5
53	Tales of D0 on D6 branes: matrix mechanics of identical particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 543, 107-114.	1.5	5
54	Supertubes connecting D4 branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 329-336.	1.5	22

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55	Chern-Simons Theories on the Noncommutative Plane. <i>Physical Review Letters</i> , 2001, 87, 030402.	2.9	49
56	The CP(n) model on noncommutative plane. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 498, 277-284.	1.5	37
57	Comments on noncommutative gauge theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 501, 305-312.	1.5	22
58	Noncommutative supersymmetric tubes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 509, 168-174.	1.5	66
59	Moduli space of two U(1) instantons on noncommutative $R^4$ and $R^3 \times S^1$ . <i>Physical Review D</i> , 2001, 63, .	1.6	21
60	Noncommutative vortex solitons. <i>Physical Review D</i> , 2001, 63, .	1.6	53
61	General low energy dynamics of supersymmetric monopoles. <i>Physical Review D</i> , 2001, 63, .	1.6	22
62	Elongation of moving noncommutative solitons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 495, 231-236.	1.5	19
63	General dynamics of two distinct Bogomol'nyi-Prasad-Sommerfield monopoles. <i>Physical Review D</i> , 2000, 63, .	1.6	6
64	Quantum 1/4 BPS dyons. <i>Physical Review D</i> , 2000, 61, .	1.6	23
65	Quantum spectrum of instanton solitons in five-dimensional noncommutative U(N) theories. <i>Physical Review D</i> , 2000, 61, .	1.6	23
66	Complete supersymmetric quantum mechanics of magnetic monopoles in N=4 super Yang-Mills theory. <i>Physical Review D</i> , 2000, 62, .	1.6	22
67	Low energy dynamics for 1/4 BPS dyons. <i>Physical Review D</i> , 1999, 61, .	1.6	26
68	Comments on the moduli dynamics of 1/4 BPS dyons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 468, 76-80.	1.5	18
69	Vortex string dynamics in an external antisymmetric tensor field. <i>Nuclear Physics B</i> , 1999, 563, 461-476.	0.9	6
70	Instantons and magnetic monopoles on $R^3 \times S^1$ with arbitrary simple gauge groups. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 426, 323-328.	1.5	69
71	A family of N = 2 gauge theories with exact S-duality. <i>Nuclear Physics B</i> , 1998, 520, 157-178.	0.9	8
72	Dyons in N=4 supersymmetric theories and three-pronged strings. <i>Physical Review D</i> , 1998, 58, .	1.6	58

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73	Two massive and one massless $Sp(4)$ monopole. <i>Physical Review D</i> , 1998, 57, 5260-5272.	1.6	13
74	$SU(2)$ calorons and magnetic monopoles. <i>Physical Review D</i> , 1998, 58, .	1.6	236
75	Vacuum decay and internal symmetries. <i>Physical Review D</i> , 1997, 55, 4903-4909.	1.6	23
76	Finite Temperature Chern-Simons Coefficient. <i>Physical Review Letters</i> , 1997, 78, 3434-3437.	2.9	70
77	BPS domain wall solutions in self-dual Chern-Simons-Higgs systems. <i>Physical Review D</i> , 1997, 55, 6447-6453.	1.6	21
78	Monopoles and instantons on partially compactified D-branes. <i>Physical Review D</i> , 1997, 56, 3711-3717.	1.6	160
79	Massive and massless monopoles with non-Abelian magnetic charges. <i>Physical Review D</i> , 1996, 54, 6351-6371.	1.6	54
80	The Chern-Simons coefficient in supersymmetric Yang-Mills Chern-Simons theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 373, 94-99.	1.5	81
81	Electromagnetic duality and $SU(3)$ monopoles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 376, 97-102.	1.5	76
82	The self-dual Chern-Simons $CP(N)$ models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 380, 303-307.	1.5	16
83	Anyonic Bogomol'nyi solitons in a gauged $O(3)$ $\sigma$ model. <i>Physical Review D</i> , 1996, 53, 4436-4440.	1.6	59
84	Moduli space of many BPS monopoles for arbitrary gauge groups. <i>Physical Review D</i> , 1996, 54, 1633-1643.	1.6	87
85	Self-dual anyons in uniform background fields. <i>Physical Review D</i> , 1995, 52, 2412-2421.	1.6	7
86	Quantum nucleation of vortex string loops. <i>Physical Review D</i> , 1995, 52, 6050-6056.	1.6	7
87	Quantum tunneling with global charge. <i>Physical Review D</i> , 1994, 50, 5333-5342.	1.6	14
88	Nontopological Magnetic Monopoles and New Magnetically Charged Black Holes. <i>Physical Review Letters</i> , 1994, 73, 1203-1206.	2.9	28
89	Phase of the Wilson Line at High Temperature in the Standard Model. <i>Physical Review Letters</i> , 1994, 73, 1754-1757.	2.9	19
90	Self-dual $SU(3)$ Chern-Simons Higgs systems. <i>Physical Review D</i> , 1994, 50, 6626-6632.	1.6	45

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91	Vortex dynamics in self-dual Maxwell-Higgs systems with a uniform background electric charge density. <i>Physical Review D</i> , 1994, 49, 4265-4276.	1.6	21
92	The Chern-Simons coefficient in the Higgs phase. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 341, 181-186.	1.5	9
93	Vortex dynamics in self-dual Chern-Simons-Higgs systems. <i>Physical Review D</i> , 1994, 49, 2041-2054.	1.6	45
94	Dual formulation of cosmic strings and vortices. <i>Physical Review D</i> , 1993, 48, 2493-2498.	1.6	43
95	A classical instability of Reissner-Nordström solutions and the fate of magnetically charged black holes. <i>Physical Review Letters</i> , 1992, 68, 1100-1103.	2.9	114
96	Black holes in magnetic monopoles. <i>Physical Review D</i> , 1992, 45, 2751-2761.	1.6	190
97	Self-dual Chern-Simons Higgs systems with an $N=3$ extended supersymmetry. <i>Physical Review D</i> , 1992, 46, 4691-4697.	1.6	57
98	Charge violation by instantons in Chern-Simons theories. <i>Nuclear Physics B</i> , 1992, 373, 735-748.	0.9	29
99	The fate of magnetically charged black holes. <i>General Relativity and Gravitation</i> , 1992, 24, 1203-1207.	0.7	11
100	Relativistic nonabelian self-dual Chern-Simons systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 255, 381-384.	1.5	49
101	Self-dual non-Abelian Chern-Simons solitons. <i>Physical Review Letters</i> , 1991, 66, 553-555.	2.9	57
102	Charged black holes with scalar hair. <i>Physical Review D</i> , 1991, 44, 3159-3163.	1.6	32
103	Supersymmetry and self-dual Chern-Simons systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 243, 105-108.	1.5	137
104	Self-dual Maxwell Chern-Simons solitons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 252, 79-83.	1.5	133
105	Wormholes made without massless matter fields. <i>Nuclear Physics B</i> , 1990, 329, 387-409.	0.9	115
106	Big wormholes and little interactions. <i>Nuclear Physics B</i> , 1990, 341, 101-118.	0.9	9
107	Self-dual Chern-Simons solitons. <i>Physical Review D</i> , 1990, 42, 3488-3499.	1.6	234
108	Gauged Qballs. <i>Physical Review D</i> , 1989, 39, 1665-1673.	1.6	144

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109	Scale problem in wormhole physics. <i>Physical Review Letters</i> , 1989, 63, 20-23.	2.9	9
110	Escape from the menace of the giant wormholes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 221, 242-249.	1.5	38
111	Ground state of high-density matter. <i>Nuclear Physics B</i> , 1989, 319, 501-510.	0.9	11
112	Anomalies and effective lagrangians of superconducting cosmic strings. <i>Nuclear Physics B</i> , 1988, 297, 765-786.	0.9	4
113	Magnetic Monopole with Wilson-Loop Symmetry Breaking. <i>Physical Review Letters</i> , 1988, 60, 2231-2234.	2.9	9
114	Existence and stability of nontopological strings. <i>Physical Review D</i> , 1988, 38, 3023-3030.	1.6	12
115	Wormholes and Goldstone Bosons. <i>Physical Review Letters</i> , 1988, 61, 263-266.	2.9	130
116	Wilson-loop instantons. <i>Physical Review Letters</i> , 1987, 59, 1069-1071.	2.9	16
117	Tunnelling without barriers in curved space-time. <i>Nuclear Physics B</i> , 1987, 282, 509-530.	0.9	13
118	Decay of the true vacuum in curved space-time. <i>Physical Review D</i> , 1987, 36, 1088-1094.	1.6	124
119	Topological mass terms on axion domain walls. <i>Physical Review D</i> , 1987, 35, 3286-3289.	1.6	9
120	Tunneling without barriers. <i>Nuclear Physics B</i> , 1986, 267, 181-202.	0.9	82
121	Density fluctuations and particle-antiparticle annihilation. <i>Nuclear Physics B</i> , 1984, 246, 354-370.	0.9	22