Changhyun Ahn

List of Publications by Year
in descending order

107 papers	1,320 citations	331670 21 h-index	454955 30 g-index
108 all docs	108 docs citations	108 times ranked	202 citing authors

#	Article	IF	Citations
1	The large N â€™t Hooft limit of coset minimal models. Journal of High Energy Physics, 2011, 2011, 1.	4.7	62
2	Supersymmetric domain wall and RG flow from 4-dimensional gauged supergravity. Nuclear Physics B, 2001, 599, 83-118.	2.5	56
3	Three-dimensional SCFTs, supersymmetric domain wall and renormalization group flow. Nuclear Physics B, 2001, 595, 119-137.	2.5	50
4	Brane configurations for nonsupersymmetric meta-stable vacua in SQCD with adjoint matter. Classical and Quantum Gravity, 2007, 24, 1359-1370.	4.0	41
5	An supersymmetric G2-invariant flow in M-theory. Nuclear Physics B, 2002, 627, 45-65.	2.5	40
6	The coset spin-4 Casimir operator and its three-point functions with scalars. Journal of High Energy Physics, 2012, 2012, 1.	4.7	40
7	Holographic supergravity dual to three dimensional ? = 2 gauge theory. Journal of High Energy Physics, 2008, 2008, 083-083.	4.7	35
8	More CFTs and RG flows from deforming M2/M5-brane horizon. Nuclear Physics B, 2000, 572, 188-207.	2.5	32
9	Marginal deformations with U(1)3global symmetry. Journal of High Energy Physics, 2005, 2005, 032-032.	4.7	32
10	M-theory lift of meta-stable brane configuration in symplectic and orthogonal gauge groups. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 647, 493-499.	4.1	32
11	Domain wall from gauged d=4, supergravity: part I. Nuclear Physics B, 2002, 634, 141-191.	2.5	29
12	The large N â€™t Hooft limit of Kazama-Suzuki model. Journal of High Energy Physics, 2012, 2012, 1.	4.7	29
13	Towards holographic gravity dual of ? = 1 superconformal Chern-Simons gauge theory. Journal of High Energy Physics, 2008, 2008, 101-101.	4.7	28
14	The 11-dimensional metric for AdS/CFT RG flows with common SU(3) invariance. Nuclear Physics B, 2002, 646, 257-280.	2.5	26
15	Three-dimensional CFTs and RG flow from squashing M2-brane horizon. Nuclear Physics B, 2000, 565, 210-224.	2.5	25
16	Geometry, D-branes and N = 1 duality in four dimensions with product gauge groups. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 413, 293-302.	4.1	24
17	Higher spin currents in the $ \mathcal{N} $ = 1 stringy coset minimal model. Journal of High Energy Physics, 2013, 2013, 1.	4.7	24
18	The primary spin-4 Casimir operators in the holographic SO(N) coset minimal models. Journal of High Energy Physics, 2012, 2012, 1.	4.7	23

#	Article	IF	Citations
19	Higher spin currents in Wolf space. Part I. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22
20	Phases of Script N = 1 supersymmetric SO/Sp gauge theories via matrix model. Journal of High Energy Physics, 2003, 2003, 010-010.	4.7	21
21	More on meta-stable brane configuration. Classical and Quantum Gravity, 2007, 24, 3603-3615.	4.0	21
22	The operator product expansion of the lowest higher spin current at finite N. Journal of High Energy Physics, 2013, 2013, 1.	4.7	21
23	Higher spin currents with arbitrary N in the $ \mathcal{N} $ = 1 stringy coset minimal model. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
24	SCFT and M theory on AdS4Ã—Q1,1,1. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 466, 171-180.	4.1	19
25	Domain wall from gaugedd= 4, Script N = 8 supergravity. Part II. Journal of High Energy Physics, 2003, 2003, 014-014.	4.7	19
26	Meta-stable brane configuration with orientifold 6 plane. Journal of High Energy Physics, 2007, 2007, 053-053.	4.7	17
27	More meta-stable brane configurations without D6-branes. Nuclear Physics B, 2008, 790, 281-316.	2.5	16
28	META-STABLE BRANE CONFIGURATION AND GAUGED FLAVOR SYMMETRY. Modern Physics Letters A, 2007, 22, 2329-2341.	1.2	15
29	Higher spin currents in the holographic $ \mathcal{N} $ = 1 coset minimal model. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
30	Spin-5 Casimir operator its three-point functions with two scalars. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
31	The operator product expansion between the 16 lowest higher spin currents in the $$\mathcal{N}=4$$ N = 4 superspace. European Physical Journal C, 2016, 76, 1.	3.9	15
32	Supersymmetric gauge theories with flavors and matrix models. Nuclear Physics B, 2004, 698, 3-52.	2.5	14
33	M theory fivebrane and confining phase of N = 1SO (Nc) gauge theories. Journal of Geometry and Physics, 1998, 28, 163-194.	1.4	13
34	The OPEs of spin-4 Casimir currents in the holographic *SO* (*N*) coset minimal models. Classical and Quantum Gravity, 2013, 30, 175004.	4.0	13
35	Higher spin currents in Wolf space for generic N. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
36	Confining phase of N=1 Sp(Nc) gauge theories via M theory fivebrane. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 426, 306-314.	4.1	12

#	Article	IF	Citations
37	Branes, geometry and N = 1 duality with product gauge groups of SO and Sp. Journal of Geometry and Physics, 1999, 31, 301-322.	1.4	12
38	Supersymmetric SO(N)/Sp(N) gauge theory from matrix model: exact mesonic vacua. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 560, 116-127.	4.1	12
39	Meta-stable brane configuration of product gauge groups. Classical and Quantum Gravity, 2008, 25, 075001.	4.0	12
40	Higher spin currents in orthogonal Wolf space. Classical and Quantum Gravity, 2015, 32, 045011.	4.0	12
41	Higher spin currents in Wolf space: Part II. Classical and Quantum Gravity, 2015, 32, 015023.	4.0	12
42	M theory fivebrane interpretation for strong coupling dynamics of SO(Nc) gauge theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 75-84.	4.1	11
43	Perturbing around a warped product of AdS_4 and seven-ellipsoid. Journal of High Energy Physics, 2009, 2009, 065-065.	4.7	11
44	Three point functions in the large N = 4 $$\mathcal{N}=4$$ holography. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
45	Higher spin currents in Wolf space: III. Classical and Quantum Gravity, 2015, 32, 185001.	4.0	11
46	Supersymmetric SO(Nc) gauge theory and matrix model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 562, 141-146.	4.1	10
47	Higher spin currents in the enhanced N = 3 $$\mathcal{N}=3$$ Kazama-Suzuki model. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
48	Sp(Nc) gauge theories and the M theory fivebrane. Physical Review D, 1998, 58, .	4.7	9
49	The gauge dual of a warped product of AdS 4 and a squashed and stretched seven-manifold. Classical and Quantum Gravity, 2010, 27, 035009.	4.0	9
50	Three-point functions in the ? = 4 orthogonal coset theory. International Journal of Modern Physics A, 2016, 31, 1650090.	1.5	9
51	The next 16 higher spin currents and three-point functions in the large $$\mathcal{N}=4$$ N = 4 holography. European Physical Journal C, 2017, 77, 1.	3.9	9
52	Chiral algebras of two-dimensional SYK models. Journal of High Energy Physics, 2019, 2019, 1.	4.7	9
53	The $$\mathcal{N}$$ = 4 higher spin algebra for generic μ parameter. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
54	c=5/2 FREE FERMION MODEL OF WB2 ALGEBRA. International Journal of Modern Physics A, 1992, 07, 6799-6811.	1.5	8

#	Article	IF	Citations
55	Comments on Penrose limit of AdS4 Ã— M1,1,1. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 540, 111-118.	4.1	8
56	Other squashing deformation and N=3 superconformal Chernâ€"Simons gauge theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 303-309.	4.1	8
57	ARE THERE ANY NEW VACUA OF GAUGED ${mathcal N}=8$ SUPERGRAVITY IN FOUR DIMENSIONS?. International Journal of Modern Physics A, 2010, 25, 1819-1851.	1.5	8
58	The ? = 4 coset model and the higher spin algebra. International Journal of Modern Physics A, 2020, 35, 2050046.	1.5	8
59	Towards a supersymmetric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>w</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>+</mml:mo><mml:mi>âˆ</mml:mi> symmetry in the celestial conformal field theory. Physical Review D, 2022, 105, .	4.7	
60	FREE SUPERFIELD REALIZATION OF N=2 QUANTUM SUPER-W3 ALGEBRA. Modern Physics Letters A, 1994, 09, 271-278.	1.2	7
61	THE LARGE-N LIMIT OF $mathcal{N} = 1$ FIELD THEORIES FROM F THEORY. Modern Physics Letters A, 1999, 14, 369-378.	1.2	7
62	Deformations of flows from type IIB supergravity. Classical and Quantum Gravity, 2006, 23, 3619-3640.	4.0	7
63	Meta-stable brane configurations with seven NS5-branes. Classical and Quantum Gravity, 2008, 25, 095018.	4.0	7
64	Comments on holographic gravity dual of ? = 6 superconformal Chern-Simons gauge theory. Journal of High Energy Physics, 2009, 2009, 107-107.	4.7	7
65	Explicit construction of N = 2 W3 current in the N = 2 coset model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 77-83.	4.1	6
66	PENROSE LIMIT OF AdS4 Ã— N0,1,0 AND ${mathcal N} = 3$ GAUGE THEORY. Modern Physics Letters A, 2002, 17, 1847-1859.	1.2	6
67	Phases of SO(Nc) gauge theories with flavors. Nuclear Physics B, 2003, 675, 3-69.	2.5	6
68	N=2 supersymmetric SO(N)/Sp(N) gauge theories from the matrix model. Physical Review D, 2003, 67, .	4.7	6
69	Higher spin currents in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">N</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:math> stringy coset minimal model. Physical Review D, 2016, 94, .	4.7	6
70	The $$ mathcal{N} $$ = 2 supersymmetric w1+âˆž symmetry in the two-dimensional SYK models. Journal of High Energy Physics, 2022, 2022, .	4.7	6
71	PENROSE LIMIT OF AdS4 Ã— V5,2 AND OPERATORS WITH LARGE R CHARGE. Modern Physics Letters A, 2002, 17, 2067-2078.	1.2	5
72	Meta-stable brane configurations by adding an orientifold-plane to Giveon-Kutasov. Journal of High Energy Physics, 2007, 2007, 021-021.	4.7	5

#	Article	IF	Citations
73	Squashing gravity dual of {cal N}=6 superconformal Chern–Simons gauge theory. Classical and Quantum Gravity, 2009, 26, 105001.	4.0	5
74	Higher spin currents in the orthogonal coset theory. European Physical Journal C, 2017, 77, 1.	3.9	5
75	A supersymmetric enhancement of $$ mathcal{N} $$ = 1 holographic minimal model. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
76	The small $mathcal{N}=4$ superconformal ${mathcal{W}}_{infty }$ algebra. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 395401.	2.1	5
77	Dielectric-branes in nonsupersymmetricSO(3)-invariant perturbation of three-dimensionalN=8Yang-Mills theory. Physical Review D, 2001, 64, .	4.7	4
78	More onN=1 Matrix Model Curve for ArbitraryN. Journal of High Energy Physics, 2004, 2004, 009-009.	4.7	4
79	META-STABLE BRANE CONFIGURATIONS WITH FIVE NS5-BRANES. International Journal of Modern Physics A, 2009, 24, 5465-5493.	1.5	4
80	The operator product expansions in the $$mathcal{N}=4$$ orthogonal Wolf space coset model. European Physical Journal C, 2019, 79, 1.	3.9	4
81	${mathcal N} = 2$ CONFORMAL SUPERGRAVITY FROM TWISTOR-STRING THEORY. International Journal of Modern Physics A, 2006, 21, 3733-3759.	1.5	3
82	Other meta-stable brane configuration by adding an orientifold 6-plane to Giveon–Kutasov. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 665, 418-423.	4.1	3
83	New ? = 2 supersymmetric membrane flow in eleven-dimensional supergravity. Journal of High Energy Physics, 2009, 2009, 022-022.	4.7	3
84	THE GAUGE DUAL OF GAUGED ${mathcal N}=8$ SUPERGRAVITY THEORY. International Journal of Modern Physics A, 2010, 25, 3025-3041.	1.5	3
85	Higher spin currents with manifest SO(4) symmetry in the large ? = 4 holography. International Journal of Modern Physics A, 2018, 33, 1850208.	1.5	3
86	Wolf space coset spectrum in the large ${{mathcal N}}=4$ holography. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 435402.	2.1	3
87	The Grassmannian-like coset model and the higher spin currents. Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
88	Explicit construction of the spin-4 Casimir operator in the coset model SO(5)1*SO(5)m/SO(5)1+m. Journal of Physics A, 1994, 27, 231-237.	1.6	2
89	Matrix model curve near the singularities. Physical Review D, 2004, 69, .	4.7	2
90	More on meta-stable brane configuration by quartic superpotential for fundamentals. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 125-131.	4.1	2

#	Article	IF	Citations
91	META-STABLE BRANE CONFIGURATIONS WITH MULTIPLE NS5-BRANES. International Journal of Modern Physics A, 2009, 24, 5051-5120.	1.5	2
92	${\mathcal N}=8$ GAUGED SUPERGRAVITY THEORY AND ${\mathcal N}=6$ SUPERCONFORMAL CHERNâ€"SIMONS MATTER THEORY. International Journal of Modern Physics A, 2010, 25, 3407-3444.	1.5	2
93	META-STABLE BRANE CONFIGURATIONS BY DUALIZING THE TWO GAUGE GROUPS. International Journal of Modern Physics A, 2010, 25, 1185-1210.	1.5	2
94	Holographic {cal N}=1 supersymmetric membrane flows. Classical and Quantum Gravity, 2010, 27, 205011.	4.0	2
95	Adding complex fermions to the Grassmannian-like coset model. European Physical Journal C, 2021, 81, .	3.9	2
96	Quarkâ€"monopole potentials from supersymmetric <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www. Physics Letter	4.1	1
97	META-STABLE BRANE CONFIGURATIONS OF MULTIPLE PRODUCT GAUGE GROUPS WITH ORIENTIFOLD 6 PLANE. International Journal of Modern Physics A, 2009, 24, 4805-4868.	1.5	1
98	META-STABLE BRANE CONFIGURATIONS BY HIGHER-ORDER POLYNOMIAL SUPERPOTENTIAL. International Journal of Modern Physics A, 2009, 24, 5495-5521.	1.5	1
99	META-STABLE BRANE CONFIGURATIONS BY QUARTIC SUPERPOTENTIAL FOR BIFUNDAMENTALS. International Journal of Modern Physics A, 2009, 24, 5697-5724.	1.5	1
100	META-STABLE BRANE CONFIGURATIONS OF TRIPLE PRODUCT GAUGE GROUPS. International Journal of Modern Physics A, 2009, 24, 4869-4922.	1.5	1
101	META-STABLE BRANE CONFIGURATIONS, MULTIPLE NS5-BRANES, AND ROTATED D6-BRANES. International Journal of Modern Physics A, 2009, 24, 5121-5171.	1.5	1
102	MORE ON META-STABLE BRANE CONFIGURATIONS BY DUALIZING THE MULTIPLE GAUGE GROUPS. International Journal of Modern Physics A, 2010, 25, 861-902.	1.5	1
103	Spin-5 Casimir operator its three-point functions with two scalars. , 2014, 2014, 1.		1
104	Worldsheet free fields, higher spin symmetry, and free <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">N</mml:mi><mml:mo>=</mml:mo><mml:mn>4</mml:mn></mml:mrow></mml:math> super-Yang-Mills theory. Physical Review D, 2022, 105, .	4.7	1
105	TOWARDS NEW MEMBRANE FLOW FROM DE WITâ€"NICOLAI CONSTRUCTION. International Journal of Modern Physics A, 2012, 27, 1250052.	1.5	0
106	Towards an N=1SU(3)-invariant supersymmetric membrane flow in eleven-dimensional supergravity. Journal of Geometry and Physics, 2012, 62, 1207-1232.	1.4	0
107	Fermionic construction in the supersymmetric coset model. International Journal of Modern Physics A, 0, , .	1.5	0