Jeong-Hyuck Park

List of Publications by Year
in descending order

79 papers	2,090 citations	186265 28 h-index	243625 44 g-index
82 all docs	82 docs citations	82 times ranked	387 citing authors

#	Article	IF	Citations
1	Differential geometry with a projection: application to double field theory. Journal of High Energy Physics, 2011, 2011, 1.	4.7	147
2	Comments on double field theory and diffeomorphisms. Journal of High Energy Physics, 2013, 2013, 1.	4.7	91
3	Stringy differential geometry, beyond Riemann. Physical Review D, 2011, 84, .	4.7	89
4	Covariant action for a string in doubled yet gauged spacetime. Nuclear Physics B, 2014, 880, 134-154.	2.5	85
5	Stringy unification of type IIA and IIB supergravities under <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi mathvariant="script">N</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mi>D</mml:mi><mml:mo>=</mml:mo><mml:mn>10</mml:mn></mml:math> supersymmetric double field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-	4.1	84
6	Ramond-Ramond cohomology and O(D, D) T-duality. Journal of High Energy Physics, 2012, 2012, 1.	4.7	74
7	Incorporation of fermions into double field theory. Journal of High Energy Physics, 2011, 2011, 1.	4.7	73
8	M-theory and type IIB from a duality manifest action. Journal of High Energy Physics, 2014, 2014, 1.	4.7	71
9	Superconformal symmetry and correlation functions. Nuclear Physics B, 1999, 559, 455-501.	2.5	68
10	Supersymmetric double field theory: A stringy reformulation of supergravity. Physical Review D, 2012, 85, .	4.7	58
11	Double field formulation of Yangâ€“Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 260-264.	4.1	56
12	Classification of non-Riemannian doubled-yet-gauged spacetime. European Physical Journal C, 2017, 77, 1.	3.9	55
13	N=1 SUPERCONFORMAL SYMMETRY IN FOUR DIMENSIONS. International Journal of Modern Physics A, 1998, 13, 1743-1772.	1.5	54
14	Noncommutative vortex solitons. Physical Review D, 2001, 63, .	4.7	53
15	Superconformal symmetry in six dimensions and its reduction to four. Nuclear Physics B, 1999, 539, 599-642.	2.5	52
16	Chern-Simons Theories on the Noncommutative Plane. Physical Review Letters, 2001, 87, 030402.	7.8	49
17	Superalgebra for M theory on a pp wave. Physical Review D, 2002, 66, .	4.7	47
18	Superconformal symmetry in three dimensions. Journal of Mathematical Physics, 2000, 41, 7129.	1.1	46

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19	Classification of the BPS states in Bagger-Lambert theory. Journal of High Energy Physics, 2008, 2008, 056-056.	4.7	45
20	U-geometry: SL(5). Journal of High Energy Physics, 2013, 2013, 1.	4.7	43
21	Supersymmetric objects in the M-theory on a pp-wave. Journal of High Energy Physics, 2002, 2002, 032-032.	4.7	42
22	BPS equations in six and eight dimensions. Physical Review D, 2002, 66, .	4.7	36
23	Einstein double field equations. European Physical Journal C, 2018, 78, 1.	3.9	35
24	Taking off the square root of Nambuâ€“Goto action and obtaining Filippovâ€“Lie algebra gauge theory action. European Physical Journal C, 2009, 64, 161.	3.9	34
25	Off-shell superconformal nonlinear sigma-models in three dimensions. Journal of High Energy Physics, 2011, 2011, 1.	4.7	34
26	O(D, D) covariant Noether currents and global charges in double field theory. Journal of High Energy Physics, 2015, 2015, 1.	4.7	34
27	A study of a non-Abelian generalization of the Born-Infeld action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 471-476.	4.1	31
28	Green-Schwarz superstring on doubled-yet-gauged spacetime. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
29	Massive super-Yangâ€“Mills quantum mechanics: Classification and the relation to supermembrane. Nuclear Physics B, 2006, 759, 249-282.	2.5	23
30	Supersymmetric gauged double field theory: systematic derivation by virtue of twist. Journal of High Energy Physics, 2015, 2015, 1.	4.7	23
31	Comments on noncommutative gauge theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 501, 305-312.	4.1	22
32	The rotation curve of a point particle in stringy gravity. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 002-002.	5.4	22
33	Superfield theory and supermatrix model. Journal of High Energy Physics, 2003, 2003, 046-046.	4.7	21
34	Remarks on the non-Riemannian sector in Double Field Theory. European Physical Journal C, 2020, 80, 1.	3.9	21
35	Thermodynamic instability and first-order phase transition in an ideal Bose gas. Physical Review A, 2010, 81, .	2.5	19
36	Non-Riemannian isometries from double field theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18

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37	String Theory and Non-Riemannian Geometry. Physical Review Letters, 2020, 125, 211601.	7.8	17
38	5D action for longitudinal five branes on a pp-wave. Journal of High Energy Physics, 2002, 2002, 001-001.	4.7	16
39	Standard Model as a Double Field Theory. Physical Review Letters, 2015, 115, 171603.	7.8	16
40	Kaluzaâ€“Klein reduction on a maximally non-Riemannian space is moduli-free. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 65-69.	4.1	15
41	Dynamics of perturbations in Double Field Theory & non-relativistic string theory. Journal of High Energy Physics, 2015, 2015, 1-33.	4.7	13
42	On a matrix model of level structure. Classical and Quantum Gravity, 2002, 19, L11-L16.	4.0	11
43	3D Script N = 2 massive super Yang-Mills and membranes/D2-branes in a curved background. Journal of High Energy Physics, 2003, 2003, 004-004.	4.7	11
44	Topological twisting of multiple M2-brane theory. Journal of High Energy Physics, 2008, 2008, 014-014.	4.7	11
45	Spacetime Emergence of the Robertson-Walker Universe from a Matrix Model. Physical Review Letters, 2007, 98, 261301.	7.8	10
46	M-BRANE BOUND STATES AND THE SUPERSYMMETRY OF BPS SOLUTIONS IN THE BAGGERâ€“LAMBERT THEORY. International Journal of Modern Physics A, 2009, 24, 5779-5801.	1.5	10
47	Description of identical particles via gauged matrix models: aÂgeneralization of the Calogeroâ€“Sutherland system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 307, 183-188.	2.1	9
48	Noncentral extension of theAdS5ÂS5superalgebra: supermultiplet of brane charges. Journal of High Energy Physics, 2004, 2004, 038-038.	4.7	9
49	$$mathbf {O}(D,D)$$ completion of the Friedmann equations. European Physical Journal C, 2020, 80, 1.	3.9	9
50	Three-algebra for supermembrane and two-algebra for superstring. Journal of High Energy Physics, 2009, 2009, 012-012.	4.7	8
51	Existence of a critical point in the phase diagram of the ideal relativistic neutral Bose gas. New Journal of Physics, 2011, 13, 033003.	2.9	8
52	Stringy Gravity: Solving the Dark Problems at â€˜shortâ€™ distance. EPJ Web of Conferences, 2018, 168, 01010.	0.3	8
53	Partonic description of a supersymmetric p-brane. Journal of High Energy Physics, 2010, 2010, 1.	4.7	6
54	Superconformal Yang-Mills quantum mechanics and Calogero model with $$ {ext{OSp}}left() Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	4.7	6

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55	Topological twisting of conformal supercharges. Nuclear Physics B, 2007, 776, 405-430.	2.5	5
56	Isobars of an ideal Bose gas within the grand canonical ensemble. Physical Review A, 2011, 84, .	2.5	5
57	Higher spin double field theory: a proposal. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
58	O(D, D) completion of the Einstein Field Equations. , 2019, , .		5
59	Matrix models for D-particle dynamics and the string/black hole transition. Classical and Quantum Gravity, 2006, 23, 6873-6898.	4.0	4
60	Symmetries and dynamics in constrained systems. European Physical Journal C, 2009, 61, 141.	3.9	4
61	Stringy differential geometry for double field theory, beyond Riemann. Physics of Particles and Nuclei, 2012, 43, 635-638.	0.7	4
62	A note on Faddeev-Popov action for doubled-yet-gauged particle and graded Poisson geometry. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
63	Identifying Riemannian Singularities with Regular Non-Riemannian Geometry. Physical Review Letters, 2022, 128, 041602.	7.8	4
64	Superfield formalism for the one loop effective action and CP(N) model in three dimensions. Journal of High Energy Physics, 2004, 2004, 057-057.	4.7	3
65	Noncritical -theory matrix model with an arbitrary time-dependent cosmological constant. Nuclear Physics B, 2006, 745, 123-141.	2.5	3
66	How many is different? Answer from ideal Bose gas. Journal of Physics: Conference Series, 2014, 490, 012018.	0.4	3
67	Two-dimensional Boseâ€“Einstein condensate under pressure. New Journal of Physics, 2015, 17, 013038.	2.9	3
68	Lecture note on Clifford algebra. Journal of the Korean Physical Society, 2022, 81, 1-17.	0.7	3
69	Solitons in a Grassmannian Ïƒ model coupled to a Chern-Simons term. Physical Review D, 2002, 66, .	4.7	2
70	U-gravity: SL(N). Journal of High Energy Physics, 2014, 2014, 1.	4.7	2
71	Isobaric Critical Exponents: Test of Analyticity Against NIST Reference Data. Frontiers in Physics, 2018, 6, .	2.1	2
72	Stringy Newton gravity with H -flux. Physical Review D, 2020, 101, .	4.7	2

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73	A STUDY OF TWO-/ONE-FORM SUPERFIELDS. International Journal of Modern Physics A, 2001, 16, 1261-1280.	1.5	1
74	5D actions for 6D self-dual tensor field theory. Physical Review D, 2001, 64, .	4.7	1
75	Superfield theory and supermatrix model. Fortschritte Der Physik, 2005, 53, 567-572.	4.4	1
76	Publisherâ€™s Note: Supersymmetric double field theory: A stringy reformulation of supergravity [Phys. Rev. D85, 081501(R) (2012)]. Physical Review D, 2012, 85, .	4.7	1
77	â„“-theory on pp-waves with a holomorphic superpotential and its membrane and matrix descriptions. Journal of High Energy Physics, 2008, 2008, 089-089.	4.7	0
78	Super Virasoro Algebra, spinor representations. , 2004, , 402-402.		0
79	Superconformal Group, d>2. , 2004, , 407-407.		0