

# Jeong-Hyuck Park

## List of Publications by Year in descending order

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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  | Identifying Riemannian Singularities with Regular Non-Riemannian Geometry. Physical Review Letters, 2022, 128, 041602.   | 7.8 | 4         |
| 2  | Lecture note on Clifford algebra. Journal of the Korean Physical Society, 2022, 81, 1-17.  | 0.7 | 3         |
| 3  | Non-Riemannian isometries from double field theory. Journal of High Energy Physics, 2021, 2021, 1.   | 4.7 | 18        |
| 4  | String Theory and Non-Riemannian Geometry. Physical Review Letters, 2020, 125, 211601.   | 7.8 | 17        |
| 5  | Stringy Newton gravity with H-flux. Physical Review D, 2020, 101, .  | 4.7 | 2         |
| 6  | 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         |
| 7  | Remarks on the non-Riemannian sector in Double Field Theory. European Physical Journal C, 2020, 80, 1.   | 3.9 | 21        |
| 8  | $\mathfrak{O}(D,D)$ completion of the Friedmann equations. European Physical Journal C, 2020, 80, 1.   | 3.9 | 9         |
| 9  | Kaluza-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        |
| 10 | $O(D, D)$ completion of the Einstein Field Equations. , 2019, , .  |     | 5         |
| 11 | Stringy Gravity: Solving the Dark Problems at $\tilde{\text{short}}^{\text{TM}}$ distance. EPJ Web of Conferences, 2018, 168, 01010. 0.3                                       | 0.3 | 8         |
| 12 | Einstein double field equations. European Physical Journal C, 2018, 78, 1.   | 3.9 | 35        |
| 13 | Isobaric Critical Exponents: Test of Analyticity Against NIST Reference Data. Frontiers in Physics, 2018, 6, .   | 2.1 | 2         |
| 14 | The rotation curve of a point particle in stringy gravity. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 002-002.  | 5.4 | 22        |
| 15 | Classification of non-Riemannian doubled-yet-gauged spacetime. European Physical Journal C, 2017, 77, 1.   | 3.9 | 55        |
| 16 | Higher spin double field theory: a proposal. Journal of High Energy Physics, 2016, 2016, 1.  | 4.7 | 5         |
| 17 | Green-Schwarz superstring on doubled-yet-gauged spacetime. Journal of High Energy Physics, 2016, 2016, 1.  | 4.7 | 31        |
| 18 | Standard Model as a Double Field Theory. Physical Review Letters, 2015, 115, 171603.   | 7.8 | 16        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Dynamics of perturbations in Double Field Theory & non-relativistic string theory. Journal of High Energy Physics, 2015, 2015, 1-33.  | 4.7 | 13        |
| 20 | Supersymmetric gauged double field theory: systematic derivation by virtue of twist. Journal of High Energy Physics, 2015, 2015, 1.   | 4.7 | 23        |
| 21 | O(D, D) covariant Noether currents and global charges in double field theory. Journal of High Energy Physics, 2015, 2015, 1.  | 4.7 | 34        |
| 22 | Two-dimensional Bose-Einstein condensate under pressure. New Journal of Physics, 2015, 17, 013038.  | 2.9 | 3         |
| 23 | M-theory and type IIB from a duality manifest action. Journal of High Energy Physics, 2014, 2014, 1.  | 4.7 | 71        |
| 24 | U-gravity: SL(N). Journal of High Energy Physics, 2014, 2014, 1.  | 4.7 | 2         |
| 25 | Covariant action for a string in doubled yet gauged spacetime. Nuclear Physics B, 2014, 880, 134-154.   | 2.5 | 85        |
| 26 | How many is different? Answer from ideal Bose gas. Journal of Physics: Conference Series, 2014, 490, 012018.  | 0.4 | 3         |
| 27 | Comments on double field theory and diffeomorphisms. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 91        |
| 28 | U-geometry: SL(5). Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 43        |
| 29 | Stringy unification of type IIA and IIB supergravities under supersymmetric double field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2012, 718, 1-10. | 4.1 | 84        |
| 30 | Publisher's Note: Supersymmetric double field theory: A stringy reformulation of supergravity [Phys. Rev. D 85, 081501(R) (2012)]. Physical Review D, 2012, 85, .                                   | 4.7 | 1         |
| 31 | Superconformal Yang-Mills quantum mechanics and Calogero model with $\mathfrak{osp}(1 2)$ . Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 10        |
| 32 | Ramond-Ramond cohomology and O(D, D) T-duality. Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 74        |
| 33 | Supersymmetric double field theory: A stringy reformulation of supergravity. Physical Review D, 2012, 85, .   | 4.7 | 58        |
| 34 | Stringy differential geometry for double field theory, beyond Riemann. Physics of Particles and Nuclei, 2012, 43, 635-638.  | 0.7 | 4         |
| 35 | Stringy differential geometry, beyond Riemann. Physical Review D, 2011, 84, .   | 4.7 | 89        |
| 36 | Off-shell superconformal nonlinear sigma-models in three dimensions. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 34        |

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|----|--|-----|-----------|
| 37 | Differential geometry with a projection: application to double field theory. Journal of High Energy Physics, 2011, 2011, 1.                                      | 4.7 | 147       |
| 38 | Incorporation of fermions into double field theory. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 73        |
| 39 | Double field formulation of Yang-Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 260-264.             | 4.1 | 56        |
| 40 | 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         |
| 41 | Isobars of an ideal Bose gas within the grand canonical ensemble. Physical Review A, 2011, 84, .   | 2.5 | 5         |
| 42 | Partonic description of a supersymmetric p-brane. Journal of High Energy Physics, 2010, 2010, 1.   | 4.7 | 6         |
| 43 | Thermodynamic instability and first-order phase transition in an ideal Bose gas. Physical Review A, 2010, 81, .  | 2.5 | 19        |
| 44 | M-BRANE BOUND STATES AND THE SUPERSYMMETRY OF BPS SOLUTIONS IN THE BAGGER-LAMBERT THEORY. International Journal of Modern Physics A, 2009, 24, 5779-5801.        | 1.5 | 10        |
| 45 | Three-algebra for supermembrane and two-algebra for superstring. Journal of High Energy Physics, 2009, 2009, 012-012.  | 4.7 | 8         |
| 46 | Symmetries and dynamics in constrained systems. European Physical Journal C, 2009, 61, 141.  | 3.9 | 4         |
| 47 | Taking off the square root of Nambu-Goto action and obtaining Filippov-Lie algebra gauge theory action. European Physical Journal C, 2009, 64, 161.              | 3.9 | 34        |
| 48 | $\hat{A}_2$ -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         |
| 49 | Classification of the BPS states in Bagger-Lambert theory. Journal of High Energy Physics, 2008, 2008, 056-056.  | 4.7 | 45        |
| 50 | Topological twisting of multiple M2-brane theory. Journal of High Energy Physics, 2008, 2008, 014-014.   | 4.7 | 11        |
| 51 | Spacetime Emergence of the Robertson-Walker Universe from a Matrix Model. Physical Review Letters, 2007, 98, 261301.   | 7.8 | 10        |
| 52 | Topological twisting of conformal supercharges. Nuclear Physics B, 2007, 776, 405-430.   | 2.5 | 5         |
| 53 | Noncritical $\mathcal{N}=2$ -theory matrix model with an arbitrary time-dependent cosmological constant. Nuclear Physics B, 2006, 745, 123-141.                  | 2.5 | 3         |
| 54 | Massive super-Yang-Mills quantum mechanics: Classification and the relation to supermembrane. Nuclear Physics B, 2006, 759, 249-282.                             | 2.5 | 23        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Matrix models for D-particle dynamics and the string/black hole transition. Classical and Quantum Gravity, 2006, 23, 6873-6898.   | 4.0 | 4         |
| 56 | Superfield theory and supermatrix model. Fortschritte Der Physik, 2005, 53, 567-572.  | 4.4 | 1         |
| 57 | Noncentral extension of the $AdS_5 \times S^5$ superalgebra: supermultiplet of brane charges. Journal of High Energy Physics, 2004, 2004, 038-038.  | 4.7 | 9         |
| 58 | 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         |
| 59 | Super Virasoro Algebra, spinor representations. , 2004, , 402-402.  |     | 0         |
| 60 | Superconformal Group, $d > 2$ . , 2004, , 407-407.  |     | 0         |
| 61 | Description of identical particles via gauged matrix models: a generalization of the Calogero-Sutherland system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 307, 183-188. | 2.1 | 9         |
| 62 | Superfield theory and supermatrix model. Journal of High Energy Physics, 2003, 2003, 046-046.   | 4.7 | 21        |
| 63 | 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        |
| 64 | Superalgebra for M theory on a pp wave. Physical Review D, 2002, 66, .  | 4.7 | 47        |
| 65 | BPS equations in six and eight dimensions. Physical Review D, 2002, 66, .   | 4.7 | 36        |
| 66 | Solitons in a Grassmannian $\mathbb{C}P^1$ model coupled to a Chern-Simons term. Physical Review D, 2002, 66, .   | 4.7 | 2         |
| 67 | Supersymmetric objects in the M-theory on a pp-wave. Journal of High Energy Physics, 2002, 2002, 032-032.   | 4.7 | 42        |
| 68 | 5D action for longitudinal five branes on a pp-wave. Journal of High Energy Physics, 2002, 2002, 001-001.   | 4.7 | 16        |
| 69 | On a matrix model of level structure. Classical and Quantum Gravity, 2002, 19, L11-L16.   | 4.0 | 11        |
| 70 | Chern-Simons Theories on the Noncommutative Plane. Physical Review Letters, 2001, 87, 030402.   | 7.8 | 49        |
| 71 | Comments on noncommutative gauge theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 501, 305-312.  | 4.1 | 22        |
| 72 | A STUDY OF TWO-/ONE-FORM SUPERFIELDS. International Journal of Modern Physics A, 2001, 16, 1261-1280.   | 1.5 | 1         |

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|----|--|-----|-----------|
| 73 | 5D actions for 6D self-dual tensor field theory. Physical Review D, 2001, 64, .  | 4.7 | 1         |
| 74 | Noncommutative vortex solitons. Physical Review D, 2001, 63, .   | 4.7 | 53        |
| 75 | Superconformal symmetry in three dimensions. Journal of Mathematical Physics, 2000, 41, 7129.  | 1.1 | 46        |
| 76 | 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        |
| 77 | Superconformal symmetry in six dimensions and its reduction to four. Nuclear Physics B, 1999, 539, 599-642.  | 2.5 | 52        |
| 78 | Superconformal symmetry and correlation functions. Nuclear Physics B, 1999, 559, 455-501.  | 2.5 | 68        |
| 79 | N=1 SUPERCONFORMAL SYMMETRY IN FOUR DIMENSIONS. International Journal of Modern Physics A, 1998, 13, 1743-1772.  | 1.5 | 54        |