

Hari K Kunduri

List of Publications by Year in descending order

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46
papers

1,315
citations

471509

17
h-index

345221

36
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46
all docs

46
docs citations

46
times ranked

1203
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-horizon symmetries of extremal black holes. <i>Classical and Quantum Gravity</i> , 2007, 24, 4169-4189.	4.0	253
2	Classification of Near-Horizon Geometries of Extremal Black Holes. <i>Living Reviews in Relativity</i> , 2013, 16, 8.	26.7	160
3	Supersymmetric multi-charge AdS ₅ black holes. <i>Journal of High Energy Physics</i> , 2006, 2006, 036-036.	4.7	142
4	Gravitational perturbations of higher dimensional rotating black holes: Tensor perturbations. <i>Physical Review D</i> , 2006, 74, .	4.7	118
5	A classification of near-horizon geometries of extremal vacuum black holes. <i>Journal of Mathematical Physics</i> , 2009, 50, .	1.1	106
6	Extremal vacuum black holes in higher dimensions. <i>Physical Review D</i> , 2008, 78, .	4.7	60
7	Do supersymmetric anti-de Sitter black rings exist?. <i>Journal of High Energy Physics</i> , 2007, 2007, 026-026.	4.7	58
8	Supersymmetric Black Holes with Lens-Space Topology. <i>Physical Review Letters</i> , 2014, 113, 211101.	7.8	50
9	Near-horizon geometries of supersymmetric AdS ₅ black holes. <i>Journal of High Energy Physics</i> , 2007, 2007, 015-015.	4.7	46
10	Uniqueness of near-horizon geometries of rotating extremal AdS ₄ black holes. <i>Classical and Quantum Gravity</i> , 2009, 26, 055019.	4.0	40
11	Black hole non-uniqueness via spacetime topology in five dimensions. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	31
12	Notes on non-extremal, charged, rotating black holes in minimal gauged supergravity. <i>Nuclear Physics B</i> , 2005, 724, 343-356.	2.5	25
13	The first law of soliton and black hole mechanics in five dimensions. <i>Classical and Quantum Gravity</i> , 2014, 31, 032001.	4.0	23
14	Holographic Complexity and Thermodynamic Volume. <i>Physical Review Letters</i> , 2021, 126, 101601.	7.8	19
15	Comments on black holes in bubbling spacetimes. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	18
16	Static near-horizon geometries in five dimensions. <i>Classical and Quantum Gravity</i> , 2009, 26, 245010.	4.0	17
17	An Infinite Class of Extremal Horizons in Higher Dimensions. <i>Communications in Mathematical Physics</i> , 2011, 303, 31-71.	2.2	17
18	No static bubbling spacetimes in higher dimensional Einstein-Maxwell theory. <i>Classical and Quantum Gravity</i> , 2018, 35, 054003.	4.0	13

#	ARTICLE	IF	CITATIONS
19	Unstable marginally outer trapped surfaces in static spherically symmetric spacetimes. Physical Review D, 2017, 96, .	4.7	12
20	Holographic complexity of rotating black holes. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
21	Constructing near-horizon geometries in supergravities with hidden symmetry. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
22	Chemistry and complexity for solitons in AdS 5. Classical and Quantum Gravity, 2020, 37, 204002.	4.0	10
23	Black lenses in string theory. Physical Review D, 2016, 94, .	4.7	8
24	Mass- ϵ Angular-Momentum Inequality For Black Ring Spacetimes. Physical Review Letters, 2017, 119, 071101.	7.8	7
25	Proof of the mass-angular momentum inequality for bi-axisymmetric black holes with spherical topology. Advances in Theoretical and Mathematical Physics, 2016, 20, 1397-1441.	0.6	7
26	Notes on maximal slices of five-dimensional black holes. Classical and Quantum Gravity, 2014, 31, 055004.	4.0	6
27	Soliton mechanics. Physical Review D, 2016, 94, .	4.7	6
28	Relating Mass to Angular Momentum and Charge in Five-Dimensional Minimal Supergravity. Annales Henri Poincare, 2017, 18, 1703-1753.	1.7	6
29	Extremal Sasakian horizons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 308-312.	4.1	5
30	Mass functional for initial data in $4+1$ -dimensional spacetime. Physical Review D, 2014, 90, .	4.7	4
31	New thermodynamic identities for five-dimensional black holes. Classical and Quantum Gravity, 2019, 36, 07LT02.	4.0	4
32	Small deformations of extreme five dimensional Myers-Perry black hole initial data. General Relativity and Gravitation, 2015, 47, 1.	2.0	3
33	Degenerate horizons, Einstein metrics, and Lens space bundles. Journal of Geometry and Physics, 2014, 86, 571-598.	1.4	2
34	Proof of the local mass-angular momenta inequality for $U(1)^2$ invariant black holes. Classical and Quantum Gravity, 2015, 32, 165020.	4.0	2
35	Remarks on mass and angular momenta for $U(1)^2$ -invariant initial data. Journal of Mathematical Physics, 2016, 57, 032502.	1.1	2
36	Existence and uniqueness of near-horizon geometries for 5-dimensional black holes. Journal of Geometry and Physics, 2019, 144, 370-387.	1.4	2

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37	Bounding Horizon Area by Angular Momentum, Charge, and Cosmological Constant in 5-Dimensional Minimal Supergravity. Annales Henri Poincare, 2019, 20, 481-525.	1.7	2
38	Abelian instantons over the Chen-Teo AF geometry. Journal of Geometry and Physics, 2021, 168, 104310.	1.4	2
39	Slow Decay of Waves in Gravitational Solitons. Annales Henri Poincare, 2021, 22, 821-872.	1.7	2
40	Supersymmetric multicharge solitons in AdS_5 Physical Review D, 2022, 105, .	4.7	2
41	Master equation as a radial constraint. Physical Review D, 2016, 93, .	4.7	1
42	Eigenvalues of the MOTS stability operator for slowly rotating Kerr black holes. General Relativity and Gravitation, 2021, 53, 1.	2.0	1
43	Cosmic cloaking of rich extra dimensions. International Journal of Modern Physics D, 0, , .	2.1	1
44	Existence and uniqueness of asymptotically flat toric gravitational instantons. Letters in Mathematical Physics, 2021, 111, 1.	1.1	1
45	Spacetime Topology and the Laws of Black Hole-Soliton Mechanics. Entropy, 2017, 19, 35.	2.2	0
46	INFINITE CLASSES OF DEGENERATE HORIZON GEOMETRIES IN HIGHER DIMENSIONS. , 2015, , .		0