

# Ricardo Troncoso

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

4,286  
citations

81900

39  
h-index

110387

64  
g-index

83  
all docs

83  
docs citations

83  
times ranked

966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Black hole scan. Physical Review D, 2000, 62, .	4.7	220
2	Exact black hole solution with a minimally coupled scalar field. Physical Review D, 2004, 70, .	4.7	171
3	Black holes and asymptotics of $2+1$ gravity coupled to a scalar field. Physical Review D, 2002, 65, .	4.7	166
4	Conserved Charges for Gravity with Locally Anti-de Sitter Asymptotics. Physical Review Letters, 2000, 84, 1647-1650.	7.8	148
5	Three-dimensional black holes, gravitational solitons, kinks and wormholes for BHT massive gravity. Journal of High Energy Physics, 2009, 2009, 011-011.	4.7	138
6	de Sitter black hole with a conformally coupled scalar field in four dimensions. Physical Review D, 2003, 67, .	4.7	133
7	Static wormhole solution for higher-dimensional gravity in vacuum. Physical Review D, 2007, 75, .	4.7	125
8	Black holes with topologically nontrivial AdS asymptotics. Physical Review D, 2001, 63, .	4.7	122
9	Asymptotic behavior and Hamiltonian analysis of anti-de Sitter gravity coupled to scalar fields. Annals of Physics, 2007, 322, 824-848.	2.8	118
10	Asymptotically anti-de Sitter spacetimes and scalar fields with a logarithmic branch. Physical Review D, 2004, 70, .	4.7	105
11	Topological black holes dressed with a conformally coupled scalar field and electric charge. Physical Review D, 2006, 74, .	4.7	102
12	Higher dimensional Chern-Simons supergravity. Physical Review D, 1996, 54, 2605-2611.	4.7	94
13	Quasinormal modes for massless topological black holes. Physical Review D, 2003, 67, .	4.7	93
14	Asymptotically flat spacetimes in three-dimensional higher spin gravity. Journal of High Energy Physics, 2013, 2013, 1.	4.7	91
15	Soft Heisenberg hair on black holes in three dimensions. Physical Review D, 2016, 93, .	4.7	91
16	Conserved charges for even dimensional asymptotically AdS gravity theories. Physical Review D, 2000, 62, .	4.7	88
17	Exact solutions for the Einstein-Gauss-Bonnet theory in five dimensions: Black holes, wormholes, and spacetime horns. Physical Review D, 2007, 76, .	4.7	87
18	Higher-dimensional gravity, propagating torsion and AdS gauge invariance. Classical and Quantum Gravity, 2000, 17, 4451-4466.	4.0	86

#	ARTICLE	IF	CITATIONS
19	New gauge supergravity in seven and eleven dimensions. <i>Physical Review D</i> , 1998, 58, .	4.7	82
20	Generalized black holes in three-dimensional spacetime. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	79
21	Asymptotic symmetries and dynamics of three-dimensional flat supergravity. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	73
22	Boundary conditions for General Relativity on AdS3 and the KdV hierarchy. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	69
23	Spacetime Structure near Generic Horizons and Soft Hair. <i>Physical Review Letters</i> , 2020, 124, 041601.	7.8	69
24	Gauge Supergravities for All Odd Dimensions. <i>International Journal of Theoretical Physics</i> , 1999, 38, 1181-1206.	1.2	64
25	Field theories with anisotropic scaling in 2D, solitons and the microscopic entropy of asymptotically Lifshitz black holes. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	63
26	Chemical potentials in three-dimensional higher spin anti-de Sitter gravity. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	60
27	Kerr-Schild ansatz in Einstein-Gauss-Bonnet gravity: an exact vacuum solution in five dimensions. <i>Classical and Quantum Gravity</i> , 2009, 26, 065002.	4.0	59
28	Three-dimensional supergravity reloaded. <i>Classical and Quantum Gravity</i> , 2007, 24, 2845-2860.	4.0	56
29	Nonminimally coupled scalar fields may not curve spacetime. <i>Physical Review D</i> , 2005, 71, .	4.7	53
30	Transgression forms and extensions of Chern-Simons gauge theories. <i>Journal of High Energy Physics</i> , 2006, 2006, 067-067.	4.7	52
31	Electrically charged black hole with scalar hair. <i>Physical Review D</i> , 2006, 74, .	4.7	51
32	Asymptotically anti-de Sitter spacetimes in topologically massive gravity. <i>Physical Review D</i> , 2009, 79, .	4.7	51
33	Higher spin gravity in 3D: Black holes, global charges and thermodynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 444-449.	4.1	49
34	Lie-algebra expansions, Chern-Simons theories and the Einstein-Hilbert Lagrangian. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 640, 278-284.	4.1	48
35	Soft hairy horizons in three spacetime dimensions. <i>Physical Review D</i> , 2017, 95, .	4.7	47
36	Finite action for three dimensional gravity with a minimally coupled scalar field. <i>Physical Review D</i> , 2003, 67, .	4.7	46

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37	Simple compactifications and black p-branes in Gauss-Bonnet and Lovelock theories. Journal of High Energy Physics, 2006, 2006, 007-007.	4.7	43
38	Higher spin black hole entropy in three dimensions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	40
39	Degenerate dynamical systems. Journal of Mathematical Physics, 2001, 42, 4383-4390.	1.1	39
40	Poincaré invariant gravity with local supersymmetry as a gauge theory for the M-algebra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 596, 132-137.	4.1	39
41	Canonical sectors of five-dimensional Chern-Simons theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 615, 277-284.	4.1	39
42	Scalar solitons and the microscopic entropy of hairy black holes in three dimensions. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
43	Higher spin black holes with soft hair. Journal of High Energy Physics, 2016, 2016, 1.	4.7	39
44	Asymptotically Lifshitz wormholes and black holes for Lovelock gravity in vacuum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
45	Super-BMS3 invariant boundary theory from three-dimensional flat supergravity. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
46	Microscopic entropy of the three-dimensional rotating black hole of Bergshoeff-Hohm-Townsend massive gravity. Physical Review D, 2009, 80, .	4.7	34
47	Hairy black hole entropy and the role of solitons in three dimensions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	33
48	Asymptotic structure of $N = 2$ supergravity in 3D: extended super-BMS3 and nonlinear energy bounds. Journal of High Energy Physics, 2017, 2017, 1.	4.7	33
49	Higher spin extension of cosmological spacetimes in 3D: asymptotically flat behaviour with chemical potentials and thermodynamics. Journal of High Energy Physics, 2015, 2015, 1.	4.7	31
50	Extension of the Poincaré group with half-integer spin generators: hypergravity and beyond. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
51	Asymptotically flat structure of hypergravity in three spacetime dimensions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
52	VACUUM SOLUTIONS WITH NONTRIVIAL BOUNDARIES FOR THE EINSTEIN-GAUSS-BONNET THEORY. International Journal of Modern Physics A, 2009, 24, 1690-1694.	1.5	29
53	Dynamics and BPS states of AdS5 supergravity with a Gauss-Bonnet term. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 637, 317-325.	4.1	28
54	Mapping relativistic to ultra/non-relativistic conformal symmetries in 2D and finite $\sqrt{T}$ deformations. Journal of High Energy Physics, 2021, 2021, 1.	4.7	26

#	ARTICLE	IF	CITATIONS
55	STATIC SPHERICALLY SYMMETRIC SOLUTIONS FOR CONFORMAL GRAVITY IN THREE DIMENSIONS. International Journal of Modern Physics A, 2009, 24, 1588-1592.	1.5	24
56	Integrable systems with BMS3 Poisson structure and the dynamics of locally flat spacetimes. Journal of High Energy Physics, 2018, 2018, 1.	4.7	24
57	Gravitational dual of averaged free CFTs over the Narain lattice. Journal of High Energy Physics, 2020, 2020, 1.	4.7	23
58	Static solutions with nontrivial boundaries for the Einstein-Gauss-Bonnet theory in vacuum. Physical Review D, 2010, 82, .	4.7	22
59	Asymptotically warped anti-de Sitter spacetimes in topologically massive gravity. Physical Review D, 2011, 84, .	4.7	22
60	Hypersymmetry bounds and three-dimensional higher-spin black holes. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
61	Supersymmetry of gravitational ground states. Journal of High Energy Physics, 2002, 2002, 020-020.	4.7	21
62	Black holes, parallelizable horizons, and half-BPS states for the Einstein-Gauss-Bonnet theory in five dimensions. Physical Review D, 2008, 77, .	4.7	21
63	General relativity with small cosmological constant from spontaneous compactification of Lovelock theory in vacuum. Physical Review D, 2009, 80, .	4.7	20
64	Gravitational solitons, hairy black holes and phase transitions in BHT massive gravity. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
65	REMARKS ON THE MYERS-PERRY AND EINSTEIN-GAUSS-BONNET ROTATING SOLUTIONS. International Journal of Modern Physics D, 2011, 20, 639-647.	2.1	20
66	Stability of asymptotically AdS wormholes in vacuum against scalar field perturbations. Journal of High Energy Physics, 2008, 2008, 081-081.	4.7	18
67	Asymptotically locally flat spacetimes and dynamical nonspherically-symmetric black holes in three dimensions. Physical Review D, 2016, 93, .	4.7	15
68	More on asymptotically anti-de Sitter spaces in topologically massive gravity. Physical Review D, 2010, 82, .	4.7	14
69	Asymptotic structure of the Einstein-Maxwell theory on AdS3. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
70	Log corrections to entropy of three dimensional black holes with soft hair. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
71	Lifshitz scaling, microstate counting from number theory and black hole entropy. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
72	STATIC WORMHOLES IN VACUUM FOR CONFORMAL GRAVITY. International Journal of Modern Physics A, 2009, 24, 1528-1532.	1.5	13

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73	Revisiting the asymptotic dynamics of General Relativity on AdS3. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
74	Superconformal Bondi-Metzner-Sachs Algebra in Three Dimensions. Physical Review Letters, 2021, 126, 091602.	7.8	9
75	Conserved charges and black holes in the Einstein-Maxwell theory on AdS3 reconsidered. Journal of High Energy Physics, 2015, 2015, 1.	4.7	8
76	Dynamical content of Chern-Simons supergravity. AIP Conference Proceedings, 1999, , .	0.4	7
77	Supersymmetric extension of the nine-dimensional continuation of the Euler density with $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/c.$	4.1	7
78	Exact quasinormal modes for a special class of black holes. Physical Review D, 2010, 82, .	4.7	7
79	The anisotropic chiral boson. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
80	Hypergravity in five dimensions. Physical Review D, 2020, 101, .	4.7	3
81	Junction conditions in general relativity with spin sources. Physical Review D, 2006, 73, .	4.7	1
82	Static wormholes in vacuum and gravity in diverse dimensions. , 2009, , 1-19.		0