

# Nicolas Boulanger

## List of Publications by Year in descending order

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77  
papers

2,505  
citations

185998

28  
h-index

197535

49  
g-index

80  
all docs

80  
docs citations

80  
times ranked

505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher spins from exotic dualisations. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
2	Motor strategies and adiabatic invariants: The case of rhythmic motion in parabolic flights. Physical Review E, 2021, 104, 024403.	0.8	3
3	Coadjoint Orbits of the Poincaré Group for Discrete-Spin Particles in Any Dimension. Symmetry, 2021, 13, 1749.	1.1	3
4	Note on the bundle geometry of field space, variational connections, the dressing field method, & presymplectic structures of gauge theories over bounded regions. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
5	A First-Quantized Model for Unparticles and Gauge Theories around Conformal Window. Universe, 2021, 7, 471.	0.9	0
6	Adiabatic invariants drive rhythmic human motion in variable gravity. Physical Review E, 2020, 102, 062403.	0.8	2
7	Interactions for Partially-Massless Spin-2 Fields. Physics of Particles and Nuclei Letters, 2020, 17, 687-691.	0.1	2
8	A classification of global conformal invariants. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 115201.	0.7	3
9	Higher-derivative harmonic oscillators: stability of classical dynamics and adiabatic invariants. European Physical Journal C, 2019, 79, 1.	1.4	14
10	Theory for multiple partially massless spin-2 fields. Physical Review D, 2019, 100, .	1.6	6
11	Deformations of vector-scalar models. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
12	Structure constants of $\mathfrak{so}(N, \mathfrak{sl}(\frac{s}{\lambda}))$ : the deformed-oscillator point of view. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 025201.	0.7	6
13	Spin-2 Twisted Duality in (A)dS. Frontiers in Physics, 2018, 6, .	1.0	5
14	Consistent deformations of free massive field theories in the Stueckelberg formulation. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
15	Dual actions for massless, partially-massless and massive gravitons in (A)dS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 285-290.	1.5	16
16	Uniqueness of $\mathfrak{so}(N)$ $N = 2$ and 3 pure supergravities in 4D. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
17	A note on local BRST cohomology of Yang-Mills type theories with free Abelian factors. Journal of Mathematical Physics, 2018, 59, 052302.	0.5	8
18	Frobenius-Chern-Simons gauge theory. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 055401.	0.7	8

#	ARTICLE	IF	CITATIONS
19	Action Principles for Higher and Fractional Spin Gravities. , 2017, , 213-253.		7
20	Noncommutative Wilson lines in higher-spin theory and correlation functions of conserved currents for free conformal fields. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 475401.	0.7	18
21	The Schouten tensor as a connection in the unfolding of 3D conformal higher-spin fields. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
22	Mixed-symmetry fields in de Sitter space: a group theoretical glance. Journal of High Energy Physics, 2017, 2017, 1.	1.6	39
23	Anyonic glueballs from an effective string model. Physical Review D, 2016, 93, .	1.6	0
24	Note about a pure spin-connection formulation of general relativity and spin-2 duality in (A)dS. Physical Review D, 2016, 93, .	1.6	13
25	Gravitational and gauge couplings in Chern-Simons fractional spin gravity. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4
26	An action for matter coupled higher spin gravity in three dimensions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	12
27	Higher spin interactions in four-dimensions: Vasiliev versus Fronsdal. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 095402.	0.7	56
28	2D sigma models and differential Poisson algebras. Journal of High Energy Physics, 2015, 2015, 1.	1.6	5
29	Gauge fields and infinite chains of dualities. Journal of High Energy Physics, 2015, 2015, 1.	1.6	19
30	Mixed-symmetry multiplets and higher-spin curvatures. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 225401.	0.7	9
31	New unfolded higher spin systems in AdS <sub>3</sub> . Classical and Quantum Gravity, 2015, 32, 155002.	1.5	19
32	A higher-spin Chern-Simons theory of anyons. Physics of Particles and Nuclei Letters, 2014, 11, 977-980.	0.1	1
33	Flato-Fronsdal theorem for higher-order singletons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
34	Three-dimensional fractional-spin gravity. Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
35	Non-Abelian cubic vertices for higher-spin fields in AdS d. Journal of High Energy Physics, 2013, 2013, 1.	1.6	37
36	Frame-like off-shell dualization for mixed-symmetry gauge fields. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 214014.	0.7	9

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37	ON THE UNIQUENESS OF HIGHER-SPIN SYMMETRIES IN ADS AND CFT. International Journal of Modern Physics A, 2013, 28, 1350162.	0.5	80
38	Off-shell Hodge dualities in linearised gravity and E 11. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
39	A minimal BV action for Vasiliev's four-dimensional higher spin gravity. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
40	How higher-spin gravity surpasses the spin-two barrier. Reviews of Modern Physics, 2012, 84, 987-1009.	16.4	182
41	An action principle for Vasiliev's four-dimensional higher spin gravity. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 495402.	0.7	31
42	Gravitational cubic interactions for a simple mixed-symmetry gauge field in AdS and flat backgrounds. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 415403.	0.7	36
43	Higher-spin algebras and cubic interactions for simple mixed-symmetry fields in AdS spacetime. Journal of High Energy Physics, 2011, 2011, 1.	1.6	57
44	Strong obstruction of the Berends-Burgers-van Dam spin-3 vertex. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 185401.	0.7	43
45	Unfolding mixed-symmetry fields in AdS and the BMV conjecture: I. General formalism. Journal of High Energy Physics, 2009, 2009, 013-013.	1.6	78
46	Unfolding mixed-symmetry fields in AdS and the BMV conjecture: II. Oscillator realization. Journal of High Energy Physics, 2009, 2009, 014-014.	1.6	57
47	Constituent gluon interpretation of glueballs and gluelumps. European Physical Journal A, 2008, 38, 317-330.	1.0	20
48	Nonlinear parent action and dual gravity. Physical Review D, 2008, 78, .	1.6	26
49	On the uniqueness of minimal coupling in higher-spin gauge theory. Journal of High Energy Physics, 2008, 2008, 056-056.	1.6	112
50	General solutions of the Wess-Zumino consistency condition for the Weyl anomalies. Journal of High Energy Physics, 2007, 2007, 069-069.	1.6	35
51	Algebraic Classification of Weyl Anomalies in Arbitrary Dimensions. Physical Review Letters, 2007, 98, 261302.	2.9	43
52	Tensor Gauge Fields in Arbitrary Representations of $GL(D, \mathbb{R})$ : II. Quadratic Actions. Communications in Mathematical Physics, 2007, 271, 723-773.	1.0	75
53	Linear connections with a propagating spin-3 field in gravity. Physical Review D, 2006, 74, .	1.6	19
54	Spin three gauge theory revisited. Journal of High Energy Physics, 2006, 2006, 052-052.	1.6	49

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55	Bound states of Dirac particles in gravitational fields. <i>Physical Review D</i> , 2006, 74, .	1.6	18
56	Higgs mechanism for gravity. II. Higher spin connections. <i>Physical Review D</i> , 2006, 73, .	1.6	15
57	Parity-violating vertices for spin-3 gauge fields. <i>Physical Review D</i> , 2006, 73, .	1.6	33
58	On Killing tensors and cubic vertices in higher-spin gauge theories. <i>Fortschritte Der Physik</i> , 2006, 54, 282-290.	1.5	34
59	Consistent couplings between spin-2 and spin-3 massless fields. <i>Journal of High Energy Physics</i> , 2006, 2006, 034-034.	1.6	58
60	A Weyl-covariant tensor calculus. <i>Journal of Mathematical Physics</i> , 2005, 46, 053508.	0.5	23
61	No self-interaction for two-column massless fields. <i>Journal of Mathematical Physics</i> , 2005, 46, 012303.	0.5	70
62	Gauge invariants and Killing tensors in higher-spin gauge theories. <i>Nuclear Physics B</i> , 2005, 722, 225-248.	0.9	20
63	Consistent deformations of [p,p]-type gauge field theories. <i>Journal of High Energy Physics</i> , 2004, 2004, 031-031.	1.6	27
64	A classification of local Weyl invariants in $D = 8$ . <i>Classical and Quantum Gravity</i> , 2004, 21, 4305-4316.	1.5	31
65	Tensor Gauge Fields in Arbitrary Representations of $GL(D, \mathbb{R})$ . Duality and Poincaré's $\frac{1}{2}$ Lemma. <i>Communications in Mathematical Physics</i> , 2004, 245, 27-67.	1.0	144
66	On geometric equations and duality for free higher spins. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 561, 183-190.	1.5	121
67	A note on spin-duality. <i>Journal of High Energy Physics</i> , 2003, 2003, 060-060.	1.6	80
68	Consistent deformations of dual formulations of linearized gravity: A no-go result. <i>Physical Review D</i> , 2003, 67, .	1.6	74
69	Massless spin-two field S-duality. <i>Classical and Quantum Gravity</i> , 2003, 20, S417-S423.	1.5	23
70	A note on the uniqueness of $D = 4, N = 1$ supergravity. <i>Classical and Quantum Gravity</i> , 2002, 19, 2107-2124.	1.5	21
71	Gravitational Lorentz Violations from M-Theory. <i>Journal of High Energy Physics</i> , 2002, 2002, 053-053.	1.6	4
72	Conformal (super)gravities with several gravitons. <i>Journal of High Energy Physics</i> , 2002, 2002, 035-035.	1.6	12

#	ARTICLE	IF	CITATIONS
73	Multi-graviton theories: yes-go and no-go results.. Fortschritte Der Physik, 2002, 50, 858-863.	1.5	10
74	Inconsistency of interacting, multi-graviton theories. Nuclear Physics B, 2001, 597, 127-171.	0.9	217
75	A derivation of Weyl gravity. Annalen Der Physik, 2001, 10, 935-964.	0.9	24
76	An exotic theory of massless spin-2 fields in three dimensions. Classical and Quantum Gravity, 2001, 18, 1485-1502.	1.5	22
77	The unitary representations of the Poincar'e group in any spacetime dimension. SciPost Physics Lecture Notes, 0, , .	0.0	3