Ruslan Metsaev

List of Publications by Year
in descending order

79	5,426	109321	76900
papers	citations	35 h-index	74 g-index

79	79	79	1173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mixed-symmetry continuous-spin fields in flat and AdS spaces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136497.	4.1	6
2	Superfield approach to interacting N = 2 massive and massless supermultiplets in 3d flat space. Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
3	Conformal Totally Symmetric Arbitrary Spin Fermionic Fields. Proceedings of the Steklov Institute of Mathematics, 2020, 309, 202-218.	0.3	2
4	Cubic interactions of arbitrary spin fields in 3d flat space. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 445401.	2.1	14
5	Cubic interaction vertices for N=1 arbitrary spin massless supermultiplets in flat space. Journal of High Energy Physics, 2019, 2019, 1.	4.7	23
6	Light-cone continuous-spin field in AdS space. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 134-140.	4.1	20
7	Cubic interactions for arbitrary spin $$ mathcal{N} $$ -extended massless supermultiplets in 4d flat space. Journal of High Energy Physics, 2019, 2019, 1.	4.7	25
8	Continuous-spin mixed-symmetry fields in AdS(5). Journal of Physics A: Mathematical and Theoretical, 2018, 51, 215401.	2.1	11
9	Cubic interaction vertices for massive/massless continuous-spin fields and arbitrary spin fields. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
10	Light-cone gauge cubic interaction vertices for massless fields in AdS(4). Nuclear Physics B, 2018, 936, 320-351.	2.5	39
11	BRST-BV approach to continuous-spin field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 568-573.	4.1	24
12	Continuous spin gauge field in (A)dS space. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 458-464.	4.1	37
13	Fermionic continuous spin gauge field in (A)dS space. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 135-141.	4.1	33
14	Cubic interaction vertices for continuous-spin fields and arbitrary spin massive fields. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
15	The BRST-BV approach to massless fields adapted for the AdS/CFT correspondence. Theoretical and Mathematical Physics(Russian Federation), 2016, 187, 730-742.	0.9	4
16	The BRST-BV approach to conformal fields. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 175401.	2.1	8
17	Long, partial-short, and special conformal fields. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
18	Light-cone AdS/CFT-adapted approach to AdS fields/currents, shadows, and conformal fields. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9

#	Article	IF	Citations
19	Mixed-symmetry fields in AdS(5), conformal fields, and AdS/CFT. Journal of High Energy Physics, 2015, 2015, 1.	4.7	15
20	The BRST-invariant effective action of shadows, conformal fields, and the AdS/CFT correspondence. Theoretical and Mathematical Physics(Russian Federation), 2014, 181, 1548-1565.	0.9	18
21	Light-cone gauge approach to arbitrary spin fields, currents and shadows. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 375401.	2.1	5
22	Arbitrary spin conformal fields in (A)dS. Nuclear Physics B, 2014, 885, 734-771.	2.5	35
23	BRST-BV approach to cubic interaction vertices for massive and massless higher-spin fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 237-243.	4.1	73
24	Extended Hamiltonian action for arbitrary spin fields in flat and AdS space. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 214021.	2.1	8
25	Anomalous conformal currents, shadow fields, and massive AdS fields. Physical Review D, 2012, 85, .	4.7	15
26	Cubic interaction vertices for fermionic and bosonic arbitrary spin fields. Nuclear Physics B, 2012, 859, 13-69.	2.5	100
27	Ordinary-derivative formulation of conformal totally symmetric arbitrary spin bosonic fields. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
28	Ordinary-derivative formulation of conformal low-spin fields. Journal of High Energy Physics, 2012, 2012, 1.	4.7	27
29	Gauge invariant approach to low-spin anomalous conformal currents and shadow fields. Physical Review D, 2011, 83, .	4.7	12
30	6D conformal gravity. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 175402.	2.1	19
31	CFT adapted gauge invariant formulation of massive arbitrary spin fields in AdS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 682, 455-461.	4.1	28
32	Conformal self-dual fields. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 115401.	2.1	8
33	Gauge invariant two-point vertices of shadow fields, AdS/CFT, and conformal fields. Physical Review D, 2010, 81, .	4.7	40
34	CFT adapted gauge invariant formulation of arbitrary spin fields in AdS and modified de Donder gauge. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 128-134.	4.1	25
35	Shadows, currents, and AdS fields. Physical Review D, 2008, 78, .	4.7	41
36	Gravitational and higher-derivative interactions of a massive spin<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:math>field in (A)dS space. Physical Review D, 2008, 77, .	4.7	29

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37	Cubic interaction vertices for massive and massless higher spin fields. Nuclear Physics B, 2006, 759, 147-201.	2.5	218
38	Light-cone formulation of conformal field theory adapted to AdS/CFT correspondence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 227-233.	4.1	17
39	Gauge invariant formulation of massive totally symmetric fermionic fields in (A)dS space. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 643, 205-212.	4.1	82
40	Mixed-symmetry massive fields in AdS(5). Classical and Quantum Gravity, 2005, 22, 2777-2796.	4.0	44
41	Eleven dimensional supergravity in light cone gauge. Physical Review D, 2005, 71, .	4.7	10
42	Massive totally symmetric fields in AdSd. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 95-104.	4.1	69
43	Supersymmetric D3 brane and SYM actions in plane wave backgrounds. Nuclear Physics B, 2003, 655, 3-56.	2.5	16
44	Exactly solvable model of superstring in plane wave Ramond-Ramond background. Physical Review D, 2002, 65, .	4.7	396
45	Type IIB Greenâ€“Schwarz superstring in plane wave Ramondâ€“Ramond background. Nuclear Physics B, 2002, 625, 70-96.	2.5	566
46	Massless arbitrary spin fields in AdS5. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 531, 152-160.	4.1	54
47	Light-cone superstring in spaceâ€“time. Nuclear Physics B, 2001, 596, 151-184.	2.5	126
48	On manifest SU (4)-invariant superstring action in AdS 5 Ã— S 5. Classical and Quantum Gravity, 2001, 18, 1245-1259.	4.0	9
49	Massive fields in AdS(3) and compactification in AdS spacetime. Nuclear Physics, Section B, Proceedings Supplements, 2001, 102-103, 100-106.	0.4	20
50	LIGHT-CONE FORM OF FIELD DYNAMICS IN AdS SPACE-TIME. International Journal of Modern Physics A, 2001, 16, 994-997.	1.5	7
51	Superparticle and superstring in AdS3Ã—S3 Ramondâ€“Ramond background in the light-cone gauge. Journal of Mathematical Physics, 2001, 42, 2987-3014.	1.1	39
52	Superstring action inAdS5Ã—S5:Î¹-symmetry light cone gauge. Physical Review D, 2001, 63, .	4.7	93
53	Type IIB Green-Schwarz superstrings in AdS 5 Ã— S 5 from the supercoset approach. Journal of Experimental and Theoretical Physics, 2000, 91, 1098-1114.	0.9	8
54	How massless are massless fields in AdS. Nuclear Physics B, 2000, 586, 183-205.	2.5	142

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55	Light cone gauge formulation of IIB supergravity in AdS5Ã—S5 background and AdS/CFT correspondence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 468, 65-75.	4.1	42
56	Light-cone form of field dynamics in anti-de Sitter space-time and AdS/CFT correspondence. Nuclear Physics B, 1999, 563, 295-348.	2.5	96
57	Arbitrary spin massless bosonic fields in d-dimensional anti-de sitter space. , 1999, , 331-340.		31
58	Supersymmetric D3 brane action in AdS5Ã—S5. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 436, 281-288.	4.1	65
59	Fermionic fields in the d-dimensional anti-de Sitter spacetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 419, 49-56.	4.1	55
60	Type IIB superstring action in AdS5 Ã— S5 background. Nuclear Physics B, 1998, 533, 109-126.	2.5	624
61	Massless fields in plane wave geometry. Journal of Mathematical Physics, 1997, 38, 648-667.	1.1	5
62	Free totally (anti)symmetric massless fermionic fields in d -dimensional anti-de Sitter space. Classical and Quantum Gravity, 1997, 14, L115-L121.	4.0	16
63	Massless mixed-symmetry bosonic free fields in d-dimensional anti-de Sitter space-time. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 354, 78-84.	4.1	135
64	Cubic scattering amplitudes for all massless representations of the PoincarÃ© group in any space-time dimension. Physical Review D, 1995, 52, 4660-4667.	4.7	16
65	ALL CONFORMAL INVARIANT REPRESENTATIONS OF d-DIMENSIONAL ANTI-DE SITTER GROUP. Modern Physics Letters A, 1995, 10, 1719-1731.	1.2	41
66	Lowest eigenvalues of the energy operator for totally (anti)symmetric massless fields of the n-dimensional anti-de Sitter group. Classical and Quantum Gravity, 1994, 11, L141-L145.	4.0	25
67	Cubic interaction vertices of totally symmetric and mixed symmetry massless representations of the PoincarÃ© group in D=6 space-time. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 309, 39-44.	4.1	38
68	GENERATING FUNCTION FOR CUBIC INTERACTION VERTICES OF HIGHER SPIN FIELDS IN ANY DIMENSION. Modern Physics Letters A, 1993, 08, 2413-2426.	1.2	55
69	Note on the cubic interaction of massless representations of the Poincare group in D=5 spacetime. Classical and Quantum Gravity, 1993, 10, L39-L42.	4.0	18
70	S-MATRIX APPROACH TO MASSLESS HIGHER SPINS THEORY II: THE CASE OF INTERNAL SYMMETRY. Modern Physics Letters A, 1991, 06, 2411-2421.	1.2	97
71	POINCARÃ‰-INVARIANT DYNAMICS OF MASSLESS HIGHER SPINSâ€”FOURTH-ORDER ANALYSIS ON MASS SHELL. Modern Physics Letters A, 1991, 06, 359-367.	1.2	120
72	A cubic interaction of totally symmetric massless representations of the Lorentz group in arbitrary dimensions. Classical and Quantum Gravity, 1991, 8, L89-L94.	4.0	41

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73	QUANTUM R-MATRIX IN THE RELATIVISTIC STRING MODEL IN A SPACE OF CONSTANT CURVATURE. Modern Physics Letters A, 1990, 05, 1329-1338.	1.2	1
74	On loop corrections to string theory effective actions. Nuclear Physics B, 1988, 298, 109-132.	2.5	97
75	Order Î±â€² (two-loop) equivalence of the string equations of motion and the Ïƒ-model Weyl invariance conditions. Nuclear Physics B, 1987, 293, 385-419.	2.5	531
76	Two-loop Î²-function for the generalized bosonic sigma model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 191, 354-362.	4.1	186
77	Fermionic terms in the open superstring effective action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 193, 202-206.	4.1	22
78	The born-infeld action as the effective action in the open superstring theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 193, 207-212.	4.1	140
79	Curvature cubed terms in string theory effective actions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 52-58.	4.1	186