

Rodolfo Russo

List of Publications by Year in descending order

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67
papers

2,414
citations

172457

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49
g-index

67
all docs

67
docs citations

67
times ranked

542
citing authors

#	ARTICLE	IF	CITATIONS
1	AdS_3 holography for non-BPS geometries. European Physical Journal C, 2022, 82, 1.	3.9	11
2	The eikonal operator at arbitrary velocities I: the soft-radiation limit. Journal of High Energy Physics, 2022, 2022, .	4.7	29
3	The eikonal approach to gravitational scattering and radiation at $\mathcal{O}(G^3)$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	107
4	Radiation reaction from soft theorems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136379.	4.1	80
5	Holographic correlators with multi-particle states. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
6	The Regge limit of AdS3 holographic correlators. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
7	Universality of ultra-relativistic gravitational scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135924.	4.1	98
8	A tale of two exponentiations in $\mathcal{N} = 8$ supergravity at subleading level. Journal of High Energy Physics, 2020, 2020, 1.	4.7	56
9	The CFT origin of all tree-level 4-point correlators in $\text{AdS}_3 \times S^3$. European Physical Journal C, 2020, 80, 1.	3.9	29
10	Supercharging superstrata. Journal of High Energy Physics, 2019, 2019, 1.	4.7	41
11	Holographic correlators in AdS3. Journal of High Energy Physics, 2019, 2019, 1.	4.7	33
12	A note on the Virasoro blocks at order $1/\hbar$. European Physical Journal C, 2019, 79, 3.	3.9	26
13	Holographic correlators in AdS3 without Witten diagrams. Journal of High Energy Physics, 2019, 2019, 1.	4.7	29
14	A tale of two exponentiations in $\mathcal{N} = 8$ supergravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134927.	4.1	61
15	Revisiting the second post-Minkowskian eikonal and the dynamics of binary black holes. Physical Review D, 2019, 100, .	4.7	102
16	Asymptotically-flat supergravity solutions deep inside the black-hole regime. Journal of High Energy Physics, 2018, 2018, 1.	4.7	84
17	Unitary 4-point correlators from classical geometries. European Physical Journal C, 2018, 78, 8.	3.9	39
18	The subleading eikonal in supergravity theories. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29

#	ARTICLE	IF	CITATIONS
19	Holographic 4-point correlators with heavy states. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
20	Correlators at large c without information loss. Journal of High Energy Physics, 2016, 2016, 1.	4.7	37
21	Smooth Horizonless Geometries Deep Inside the Black-Hole Regime. Physical Review Letters, 2016, 117, 201601.	7.8	124
22	A microscopic description of absorption in high-energy string-brane collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
23	Two-loop Yang-Mills diagrams from superstring amplitudes. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9
24	Infrared divergences and harmonic anomalies in the two-loop superstring effective action. Journal of High Energy Physics, 2015, 2015, 1-22.	4.7	11
25	Regge behavior saves string theory from causality violations. Journal of High Energy Physics, 2015, 2015, 1.	4.7	54
26	AdS3 holography for 1/4 and 1/8 BPS geometries. Journal of High Energy Physics, 2015, 2015, 1.	4.7	64
27	Matching the $D=4$ interaction at two-loops. Journal of High Energy Physics, 2015, 2015, 1.	4.7	59
28	Habemus superstratum! A constructive proof of the existence of superstrata. Journal of High Energy Physics, 2015, 2015, 1.	4.7	124
29	Entanglement entropy and D1-D5 geometries. Physical Review D, 2014, 90, .	4.7	9
30	Superdescendants of the D1D5 CFT and their dual 3-charge geometries. Journal of High Energy Physics, 2014, 2014, 1.	4.7	50
31	Multi-loop open string amplitudes and their field theory limit. Journal of High Energy Physics, 2013, 2013, 1.	4.7	12
32	Microscopic unitary description of tidal excitations in high-energy string-brane collisions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
33	6D microstate geometries from 10D structures. Nuclear Physics B, 2013, 876, 509-555.	2.5	56
34	Perturbative superstrata. Nuclear Physics B, 2013, 869, 164-188.	2.5	22
35	Adding new hair to the 3-charge black ring. Classical and Quantum Gravity, 2012, 29, 085006.	4.0	20
36	New D1-D5-P geometries from string amplitudes. Journal of High Energy Physics, 2011, 2011, 1.	4.7	48

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37	D1D5 microstate geometries from string amplitudes. Journal of High Energy Physics, 2010, 2010, 1.	4.7	23
38	High-energy string-brane scattering: leading eikonal and beyond. Journal of High Energy Physics, 2010, 2010, 1.	4.7	41
39	The supergravity fields for a D-brane with a travelling wave from string amplitudes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 694, 246-251.	4.1	21
40	General gauge mediation in five dimensions. Physical Review D, 2010, 82, .	4.7	10
41	Mass corrections in string theory and lattice field theory. Physical Review D, 2009, 80, .	4.7	7
42	Operator mixing and three-point functions in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2009, 2009, 009-009.	4.7	24
43	The twisted open string partition function and Yukawa couplings. Journal of High Energy Physics, 2007, 2007, 030-030.	4.7	21
44	New twist field couplings from the partition function for multiply wrapped D-branes. Journal of High Energy Physics, 2007, 2007, 042-042.	4.7	21
45	TWO-LOOP EULER-HEISENBERG EFFECTIVE ACTIONS FROM CHARGED OPEN STRINGS. International Journal of Modern Physics A, 2006, 21, 533-557.	1.5	8
46	Holographic cubic vertex in the pp-wave. Nuclear Physics B, 2005, 705, 296-318.	2.5	21
47	The duality between IIB string theory on PP-wave and $\hat{A}=4$ SYM: a status report. Classical and Quantum Gravity, 2004, 21, S1265-S1295.	4.0	23
48	The three-string vertex and the AdS/CFT duality in the PP-wave limit. Classical and Quantum Gravity, 2004, 21, 2221-2240.	4.0	39
49	A note on string interaction on the pp-wave background. Classical and Quantum Gravity, 2004, 21, 1999-2009.	4.0	22
50	Twisted determinants on higher genus Riemann surfaces. Nuclear Physics B, 2003, 669, 207-232.	2.5	8
51	String interactions and discrete symmetries of the pp-wave background. Classical and Quantum Gravity, 2003, 20, S457-S464.	4.0	22
52	Remarks on the calculations of charged open string amplitudes: the 1-loop tadpole. Fortschritte Der Physik, 2002, 50, 871-877.	4.4	2
53	Systematics of one-loop Yang-Mills diagrams from bosonic string amplitudes. Nuclear Physics B, 2001, 604, 92-120.	2.5	8
54	Multiloop Noncommutative Open String Theory and their QFT Limit. Fortschritte Der Physik, 2001, 49, 633.	4.4	0

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55	MULTILOOP NONCOMMUTATIVE OPEN STRING THEORY AND THEIR QFT LIMIT. Modern Physics Letters A, 2001, 16, 211-225.	1.2	2
56	Noncommutative gauge theories and the cosmological constant. Physical Review D, 2001, 64, .	4.7	0
57	On the effective action of stable non-BPS branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 476, 141-148.	4.1	4
58	Scalar field theory limits of bosonic string amplitudes. Nuclear Physics B, 2000, 579, 379-410.	2.5	19
59	String theory and noncommutative field theories at one loop. Nuclear Physics B, 2000, 582, 65-94.	2.5	47
60	Multiloop string amplitudes with α' -field and noncommutative QFT. Nuclear Physics B, 2000, 585, 193-218.	2.5	25
61	Classical p-branes from boundary state. Nuclear Physics B, 1997, 507, 259-276.	2.5	175
62	String derivation of two-loop Feynman diagrams. , 1997, , .		1
63	Two-loop gluon diagrams from string theory. , 1997, , .		2
64	Scattering of closed strings from many D-branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 400, 52-62.	4.1	68
65	String techniques for the calculation of renormalization constants in field theory. Nuclear Physics B, 1996, 469, 235-286.	2.5	84
66	String-derived renormalization of Yang-Mills theory. Nuclear Physics, Section B, Proceedings Supplements, 1996, 49, 85-95.	0.4	1
67	Two-loop scalar diagrams from string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 65-76.	4.1	28