

Rodolfo Russo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9447088/publications.pdf>

Version: 2024-02-01

67
papers

2,414
citations

172457

29
h-index

197818

49
g-index

67
all docs

67
docs citations

67
times ranked

542
citing authors

#	ARTICLE	IF	CITATIONS
1	Classical p-branes from boundary state. Nuclear Physics B, 1997, 507, 259-276.	2.5	175
2	Habemus superstratum! A constructive proof of the existence of superstrata. Journal of High Energy Physics, 2015, 2015, 1.	4.7	124
3	Smooth Horizonless Geometries Deep Inside the Black-Hole Regime. Physical Review Letters, 2016, 117, 201601.	7.8	124
4	The eikonal approach to gravitational scattering and radiation at $\mathcal{O}(G^3)$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	107
5	Revisiting the second post-Minkowskian eikonal and the dynamics of binary black holes. Physical Review D, 2019, 100, .	4.7	102
6	Universality of ultra-relativistic gravitational scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135924.	4.1	98
7	String techniques for the calculation of renormalization constants in field theory. Nuclear Physics B, 1996, 469, 235-286.	2.5	84
8	Asymptotically-flat supergravity solutions deep inside the black-hole regime. Journal of High Energy Physics, 2018, 2018, 1.	4.7	84
9	Radiation reaction from soft theorems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136379.	4.1	80
10	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
11	AdS3 holography for 1/4 and 1/8 BPS geometries. Journal of High Energy Physics, 2015, 2015, 1.	4.7	64
12	A tale of two exponentiations in $N=8$ supergravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134927.	4.1	61
13	Matching the $D=4$ interaction at two-loops. Journal of High Energy Physics, 2015, 2015, 1.	4.7	59
14	6D microstate geometries from 10D structures. Nuclear Physics B, 2013, 876, 509-555.	2.5	56
15	A tale of two exponentiations in $N=8$ supergravity at subleading level. Journal of High Energy Physics, 2020, 2020, 1.	4.7	56
16	Regge behavior saves string theory from causality violations. Journal of High Energy Physics, 2015, 2015, 1.	4.7	54
17	Superdescendants of the D1D5 CFT and their dual 3-charge geometries. Journal of High Energy Physics, 2014, 2014, 1.	4.7	50
18	New D1-D5-P geometries from string amplitudes. Journal of High Energy Physics, 2011, 2011, 1.	4.7	48

#	ARTICLE	IF	CITATIONS
19	String theory and noncommutative field theories at one loop. Nuclear Physics B, 2000, 582, 65-94.	2.5	47
20	High-energy string-brane scattering: leading eikonal and beyond. Journal of High Energy Physics, 2010, 2010, 1.	4.7	41
21	Supercharging superstrata. Journal of High Energy Physics, 2019, 2019, 1.	4.7	41
22	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
23	Unitary 4-point correlators from classical geometries. European Physical Journal C, 2018, 78, 8.	3.9	39
24	Holographic 4-point correlators with heavy states. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
25	Correlators at large c without information loss. Journal of High Energy Physics, 2016, 2016, 1.	4.7	37
26	Holographic correlators in AdS3. Journal of High Energy Physics, 2019, 2019, 1.	4.7	33
27	The subleading eikonal in supergravity theories. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
28	Holographic correlators in AdS3 without Witten diagrams. Journal of High Energy Physics, 2019, 2019, 1.	4.7	29
29	The CFT origin of all tree-level 4-point correlators in AdS3 times S^3 . European Physical Journal C, 2020, 80, 1.	3.9	29
30	The eikonal operator at arbitrary velocities I: the soft-radiation limit. Journal of High Energy Physics, 2022, 2022, .	4.7	29
31	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
32	A note on the Virasoro blocks at order $1/\hat{c}$. European Physical Journal C, 2019, 79, 3.	3.9	26
33	Multiloop string amplitudes with α' -field and noncommutative QFT. Nuclear Physics B, 2000, 585, 193-218.	2.5	25
34	Operator mixing and three-point functions in $d = 4$ SYM. Journal of High Energy Physics, 2009, 2009, 009-009.	4.7	24
35	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
36	D1D5 microstate geometries from string amplitudes. Journal of High Energy Physics, 2010, 2010, 1.	4.7	23

#	ARTICLE	IF	CITATIONS
37	String interactions and discrete symmetries of the pp-wave background. Classical and Quantum Gravity, 2003, 20, S457-S464.	4.0	22
38	A note on string interaction on the pp-wave background. Classical and Quantum Gravity, 2004, 21, 1999-2009.	4.0	22
39	Perturbative superstrata. Nuclear Physics B, 2013, 869, 164-188.	2.5	22
40	Holographic cubic vertex in the pp-wave. Nuclear Physics B, 2005, 705, 296-318.	2.5	21
41	The twisted open string partition function and Yukawa couplings. Journal of High Energy Physics, 2007, 2007, 030-030.	4.7	21
42	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
43	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
44	Adding new hair to the 3-charge black ring. Classical and Quantum Gravity, 2012, 29, 085006.	4.0	20
45	Scalar field theory limits of bosonic string amplitudes. Nuclear Physics B, 2000, 579, 379-410.	2.5	19
46	The Regge limit of AdS3 holographic correlators. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
47	Microscopic unitary description of tidal excitations in high-energy string-brane collisions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
48	Multi-loop open string amplitudes and their field theory limit. Journal of High Energy Physics, 2013, 2013, 1.	4.7	12
49	Infrared divergences and harmonic anomalies in the two-loop superstring effective action. Journal of High Energy Physics, 2015, 2015, 1-22.	4.7	11
50	AdS_3 holography for non-BPS geometries. European Physical Journal C, 2022, 82, 1.	3.9	11
51	General gauge mediation in five dimensions. Physical Review D, 2010, 82, .	4.7	10
52	Entanglement entropy and D1-D5 geometries. Physical Review D, 2014, 90, .	4.7	9
53	Two-loop Yang-Mills diagrams from superstring amplitudes. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9
54	Holographic correlators with multi-particle states. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9

#	ARTICLE	IF	CITATIONS
55	Systematics of one-loop Yang-Mills diagrams from bosonic string amplitudes. Nuclear Physics B, 2001, 604, 92-120.	2.5	8
56	Twisted determinants on higher genus Riemann surfaces. Nuclear Physics B, 2003, 669, 207-232.	2.5	8
57	TWO-LOOP EULER-HEISENBERG EFFECTIVE ACTIONS FROM CHARGED OPEN STRINGS. International Journal of Modern Physics A, 2006, 21, 533-557.	1.5	8
58	Mass corrections in string theory and lattice field theory. Physical Review D, 2009, 80, .	4.7	7
59	A microscopic description of absorption in high-energy string-brane collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
60	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
61	Two-loop gluon diagrams from string theory. , 1997, , .		2
62	MULTILOOP NONCOMMUTATIVE OPEN STRING THEORY AND THEIR QFT LIMIT. Modern Physics Letters A, 2001, 16, 211-225.	1.2	2
63	Remarks on the calculations of charged open string amplitudes: the 1-loop tadpole. Fortschritte Der Physik, 2002, 50, 871-877.	4.4	2
64	String-derived renormalization of Yang-Mills theory. Nuclear Physics, Section B, Proceedings Supplements, 1996, 49, 85-95.	0.4	1
65	String derivation of two-loop Feynman diagrams. , 1997, , .		1
66	Multiloop Noncommutative Open String Theory and their QFT Limit. Fortschritte Der Physik, 2001, 49, 633.	4.4	0
67	Noncommutative gauge theories and the cosmological constant. Physical Review D, 2001, 64, .	4.7	0