Oliver Schlotterer

List of Publications by Year
in descending order

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60 papers	2,244 citations	201674 27 h-index	214800 47 g-index
60 all docs	60 docs citations	60 times ranked	249 citing authors

#	Article	IF	Citations
1	Explicit BCJ numerators from pure spinors. Journal of High Energy Physics, 2011, 2011, 1.	4.7	166
2	Complete N-point superstring disk amplitude I. Pure spinor computation. Nuclear Physics B, 2013, 873, 419-460.	2.5	149
3	Complete N-point superstring disk amplitude II. Amplitude and hypergeometric function structure. Nuclear Physics B, 2013, 873, 461-513.	2.5	98
4	Elliptic multiple zeta values and one-loop superstring amplitudes. Journal of High Energy Physics, 2015, 2015, 1.	4.7	95
5	Abelian Z-theory: NLSM amplitudes and Î± â€² -corrections from the open string. Journal of High Energy Physics, 2017, 2017, 1.	4.7	91
6	String-inspired BCJ numerators for one-loop MHV amplitudes. Journal of High Energy Physics, 2016, 2016, 1.	4.7	81
7	Towards one-loop SYM amplitudes from the pure spinor BRST cohomology. Fortschritte Der Physik, 2015, 63, 105-131.	4.4	78
8	Two-loop five-point amplitudes of super Yang-Mills and supergravity in pure spinor superspace. Journal of High Energy Physics, 2015, 2015, 1.	4.7	77
9	Non-abelian Z-theory: Berends-Giele recursion for the Î± â€²-expansion of disk integrals. Journal of High Energy Physics, 2017, 2017, 1.	4.7	71
10	Berends-Giele recursions and the BCJ duality in superspace and components. Journal of High Energy Physics, 2016, 2016, 1.	4.7	67
11	New Relations for Gauge-Theory and Gravity Amplitudes at Loop Level. Physical Review Letters, 2017, 118, 161601.	7.8	59
12	Semi-abelian Z-theory: NLSM+Ï• 3 from the open string. Journal of High Energy Physics, 2017, 2017, 1.	4.7	59
13	New BCJ representations for one-loop amplitudes in gauge theories and gravity. Nuclear Physics B, 2018, 930, 328-383.	2.5	58
14	Multiparticle one-loop amplitudes and S-duality in closed superstring theory. Journal of High Energy Physics, 2013, 2013, 1.	4.7	56
15	Multiparticle SYM equations of motion and pure spinor BRST blocks. Journal of High Energy Physics, 2014, 2014, 1.	4.7	55
16	Einstein-Yang-Mills from pure Yang-Mills amplitudes. Journal of High Energy Physics, 2016, 2016, 1.	4.7	55
17	The structure of n-point one-loop open superstring amplitudes. Journal of High Energy Physics, 2014, 2014, 1.	4.7	54
18	Non-linear gauge transformations in D = 10 SYM theory and the BCJ duality. Journal of High Energy Physics, 2016, 2016, 1.	4.7	52

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19	Amplitude relations in heterotic string theory and Einstein-Yang-Mills. Journal of High Energy Physics, 2016, 2016, 1.	4.7	51
20	Heterotic and bosonic string amplitudes via field theory. Journal of High Energy Physics, 2018, 2018, 1.	4.7	51
21	Universality in string interactions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	45
22	Relations between elliptic multiple zeta values and a special derivation algebra. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 155203.	2.1	45
23	From elliptic multiple zeta values to modular graph functions: open and closed strings at one loop. Journal of High Energy Physics, 2019, 2019, 1.	4.7	42
24	All order<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow><mml:mrow><mml:mo>â€²</mml:mo></m of superstring trees from the Drinfeld associator. Physical Review D, 2014, 89, .	4.7	38
25	All-order differential equations for one-loop closed-string integrals and modular graph forms. Journal of High Energy Physics, 2020, 2020, 1.	4.7	30
26	Six open string disk amplitude in pure spinor superspace. Nuclear Physics B, 2011, 846, 359-393.	2.5	28
27	Closed strings as single-valued open strings: a genus-zero derivation. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 045401.	2.1	27
28	Recursive method forn-point tree-level amplitudes in supersymmetric Yang-Mills theories. Physical Review D, 2011, 83, .	4.7	26
29	Twisted elliptic multiple zeta values and non-planar one-loop open-string amplitudes. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 285401.	2.1	26
30	Heterotic-string amplitudes at one loop: modular graph forms and relations to open strings. Journal of High Energy Physics, 2019, 2019, 1.	4.7	25
31	Berends-Giele currents in Bern-Carrasco-Johansson gauge for F3- and F4-deformed Yang-Mills amplitudes. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
32	Towards the n-point one-loop superstring amplitude. Part III. One-loop correlators and their double-copy structure. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
33	Generating series of all modular graph forms from iterated Eisenstein integrals. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
34	One-loop correlators and BCJ numerators from forward limits. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
35	Double-Copy Structure of One-Loop Open-String Amplitudes. Physical Review Letters, 2018, 121, 011601.	7.8	23
36	From maximal to minimal supersymmetry in string loop amplitudes. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20

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37	Solution to the nonlinear field equations of ten dimensional supersymmetric Yang-Mills theory. Physical Review D, 2015, 92, .	4.7	19
38	Towards the n-point one-loop superstring amplitude. Part I. Pure spinors and superfield kinematics. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19
39	Two-loop superstring five-point amplitudes. Part II. Low energy expansion and S-duality. Journal of High Energy Physics, 2021, 2021, 1.	4.7	19
40	Two-loop superstring five-point amplitudes. Part I. Construction via chiral splitting and pure spinors. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
41	Towards the n-point one-loop superstring amplitude. Part II. Worldsheet functions and their duality to kinematics. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
42	String-motivated one-loop amplitudes in gauge theories with half-maximal supersymmetry. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
43	One-loop open-string integrals from differential equations: all-order Î±â€²-expansions at n points. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
44	Massive supermultiplets in four-dimensional superstring theory. Nuclear Physics B, 2012, 861, 175-235.	2.5	13
45	All Order <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow><mml:mrow><mml:mo>â€²</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math> Expansion of One-Loop Open-String Integrals. Physical Review Letters, 2020, 124, 101603.	7.8	12
46	Scattering Massive String Resonances through Field-Theory Methods. Physical Review Letters, 2021, 127, 051601.	7.8	12
47	Two-loop superstring five-point amplitude and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi></mml:math>-duality. Physical Review D, 2016, 93, .	4.7	11
48	One-loop matrix elements of effective superstring interactions: Î±â€²-expanding loop integrands. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
49	PoincarÃ© series for modular graph forms at depth two. Part I. Seeds and Laplace systems. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
50	PoincarÃ© series for modular graph forms at depth two. Part II. Iterated integrals of cusp forms. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
51	Two-loop superstring five-point amplitudes. Part III. Construction via the RNS formulation: even spin structures. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
52	Coaction and double-copy properties of configuration-space integrals at genus zero. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
53	Elliptic modular graph forms. Part I. Identities and generating series. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
54	Towards closed strings as single-valued open strings at genus one. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 025401.	2.1	6

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55	One-Loop as Iterated Integrals. Texts and Monographs in Symbolic Computation, 2019, , 133-159.	0.4	5
56	Two dialects for KZB equations: generating one-loop open-string integrals. Journal of High Energy Physics, 2020, 2020, 1.	4.7	5
57	One-loop superstring six-point amplitudes and anomalies in pure spinor superspace. Journal of High Energy Physics, 2016, 2016, 1-30.	4.7	4
58	Fermionic one-loop amplitudes of the RNS superstring. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
59	Identities among higher genus modular graph tensors. Communications in Number Theory and Physics, 2022, 16, 35-74.	1.0	3
60	The Number Theory of Superstring Amplitudes. Springer Proceedings in Mathematics and Statistics, 2020, , 77-103.	0.2	2