

Jan Plefka

List of Publications by Year in descending order

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36
papers

1,656
citations

331670

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345221

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all docs

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docs citations

36
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Yangian symmetry of scattering amplitudes in $\mathcal{N} = 4$ super Yang-Mills theory. Journal of High Energy Physics, 2009, 2009, 046-046.	4.7	302
2	Scattering into the fifth dimension of $\mathcal{N} = 4$ super Yang-Mills. Journal of High Energy Physics, 2010, 2010, 1.	4.7	128
3	Classical black hole scattering from a worldline quantum field theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	119
4	The off-shell symmetry algebra of the light-cone AdS $_5$ -S 5 superstring. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 3583-3605.	2.1	103
5	Classical Gravitational Bremsstrahlung from a Worldline Quantum Field Theory. Physical Review Letters, 2021, 126, 201103.	7.8	96
6	Spinning Strings and Integrable Spin Chains in the AdS/CFT Correspondence. Living Reviews in Relativity, 2005, 8, 9.	26.7	83
7	Effective action of dilaton gravity as the classical double copy of Yang-Mills theory. Physical Review D, 2019, 99, .	4.7	71
8	Gravitational Bremsstrahlung and Hidden Supersymmetry of Spinning Bodies. Physical Review Letters, 2022, 128, 011101.	7.8	70
9	All tree-level amplitudes in massless QCD. Journal of High Energy Physics, 2011, 2011, 1.	4.7	55
10	Einstein-Yang-Mills from pure Yang-Mills amplitudes. Journal of High Energy Physics, 2016, 2016, 1.	4.7	55
11	SUSY in the sky with gravitons. Journal of High Energy Physics, 2022, 2022, 1.	4.7	51
12	Double-soft limits of gluons and gravitons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	50
13	Harmonic R Matrices for Scattering Amplitudes and Spectral Regularization. Physical Review Letters, 2013, 110, 121602.	7.8	44
14	Breakdown of the classical double copy for the effective action of dilaton-gravity at NNLO. Physical Review D, 2019, 100, .	4.7	44
15	Superprotected n -point correlation functions of local operators in $\mathcal{N} = 4$ super Yang-Mills. Journal of High Energy Physics, 2009, 2009, 052-052.	4.7	42
16	Double copy of massive scalar QCD. Physical Review D, 2020, 101, .	4.7	30
17	Two loops to two loops in $\mathcal{N} = 4$ supersymmetric Yang-Mills theory. Journal of High Energy Physics, 2001, 2001, 031-031.	4.7	28
18	Three-point functions in planar $\mathcal{N} = 4$ super Yang-Mills theory for scalar operators up to length five at the one-loop order. Journal of High Energy Physics, 2012, 2012, 1.	4.7	27

#	ARTICLE	IF	CITATIONS
19	The structure of n -point functions of chiral primary operators in $\mathcal{N} = 4$ super Yang-Mills at one-loop. Journal of High Energy Physics, 2009, 2009, 001-001.	4.7	26
20	Classical double copy of worldline quantum field theory. Physical Review D, 2022, 105, .	4.7	23
21	Collinear limits beyond the leading order from the scattering equations. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
22	Three-point functions of twist-two operators in $\mathcal{N} = 4$ SYM at one loop. Journal of High Energy Physics, 2012, 2012, 1.	4.7	20
23	Positive helicity Einstein-Yang-Mills amplitudes from the double copy method. Physical Review D, 2019, 99, .	4.7	17
24	Three-body effective potential in general relativity at second post-Minkowskian order and resulting post-Newtonian contributions. Physical Review D, 2021, 103, .	4.7	16
25	Double field theory as the double copy of Yang-Mills theory. Physical Review D, 2022, 105, .	4.7	15
26	VERTEX OPERATORS FOR THE SUPERMEMBRANE AND BACKGROUND FIELD MATRIX THEORY. International Journal of Modern Physics A, 2001, 16, 660-668.	1.5	14
27	Hidden conformal symmetry in tree-level graviton scattering. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
28	Quantum gravitational contributions to the Standard Model effective potential and vacuum stability. Modern Physics Letters A, 2015, 30, 1550189.	1.2	13
29	From six to four and more: massless and massive maximal super Yang-Mills amplitudes in 6d and 4d and their hidden symmetries. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
30	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi mathvariant="script"} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ super-Yang-Mills correlators without anticommuting variables. Physical Review D, 2020, 101, .	4.7	12
31	New relations for graviton-matter amplitudes. Physical Review D, 2018, 98, .	4.7	11
32	Two-point correlator of chiral primary operators with a Wilson line defect in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
33	Yang-Mills integrals. Classical and Quantum Gravity, 2000, 17, 1171-1179.	4.0	9
34	All rational one-loop Einstein-Yang-Mills amplitudes at four points. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
35	Bosonic string quantization in a static gauge. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 485401.	2.1	8
36	The two-loop dilatation operator of $\mathcal{N} = 4$ super Yang-Mills theory in the $SO(6)$ sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	7