Jan Plefka

List of Publications by Year
in descending order

36 papers	**1,656** citations

331670

21 h-index

345221

36 g-index

| **36** all docs | **36** docs citations | **36** times ranked | **517** citing authors |

#	Article	IF	Citations
1	Gravitational Bremsstrahlung and Hidden Supersymmetry of Spinning Bodies. Physical Review Letters, 2022, 128, 011101.	7.8	70
2	SUSY in the sky with gravitons. Journal of High Energy Physics, 2022, 2022, 1.	4.7	51
3	Classical double copy of worldline quantum field theory. Physical Review D, 2022, 105, .	4.7	23
4	Double field theory as the double copy of Yang-Mills theory. Physical Review D, 2022, 105, .	4.7	15
5	Classical black hole scattering from a worldline quantum field theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	119
6	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
7	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
8	Classical Gravitational Bremsstrahlung from a Worldline Quantum Field Theory. Physical Review Letters, 2021, 126, 201103.	7.8	96
9	$\mathcal{N}=4$ super-Yang-Mills correlators without anticommuting variables. Physical Review D, 2020, 101, .	4.7	12
10	Double copy of massive scalar QCD. Physical Review D, 2020, 101, .	4.7	30
11	Breakdown of the classical double copy for the effective action of dilaton-gravity at NNLO. Physical Review D, 2019, 100, .	4.7	44
12	Effective action of dilaton gravity as the classical double copy of Yang-Mills theory. Physical Review D, 2019, 99, .	4.7	71
13	Positive helicity Einstein-Yang-Mills amplitudes from the double copy method. Physical Review D, 2019, 99, .	4.7	17
14	New relations for graviton-matter amplitudes. Physical Review D, 2018, 98, .	4.7	11
15	All rational one-loop Einstein-Yang-Mills amplitudes at four points. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
16	Hidden conformal symmetry in tree-level graviton scattering. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
17	Collinear limits beyond the leading order from the scattering equations. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
18	Einstein-Yang-Mills from pure Yang-Mills amplitudes. Journal of High Energy Physics, 2016, 2016, 1.	4.7	55

#	Article	IF	Citations
19	Double-soft limits of gluons and gravitons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	50
20	Quantum gravitational contributions to the Standard Model effective potential and vacuum stability. Modern Physics Letters A, 2015, 30, 1550189.	1.2	13
21	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
22	Harmonic R Matrices for Scattering Amplitudes and Spectral Regularization. Physical Review Letters, 2013, 110, 121602.	7.8	44
23	Bosonic string quantization in a static gauge. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 485401.	2.1	8
24	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
25	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
26	All tree-level amplitudes in massless QCD. Journal of High Energy Physics, 2011, 2011, 1.	4.7	55
27	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
28	Scattering into the fifth dimension of $$\mathcal{N}$$ = 4 super Yang-Mills. Journal of High Energy Physics, 2010, 2010, 1.	4.7	128
29	Superprotected n-point correlation functions of local operators in ? = 4 super Yang-Mills. Journal of High Energy Physics, 2009, 2009, 052-052.	4.7	42
30	Yangian symmetry of scattering amplitudes in ? = 4 super Yang-Mills theory. Journal of High Energy Physics, 2009, 2009, 046-046.	4.7	302
31	The structure of n-point functions of chiral primary operators in ? = 4 super Yang-Mills at one-loop. Journal of High Energy Physics, 2009, 2009, 001-001.	4.7	26
32	The off-shell symmetry algebra of the light-cone AdS5×S5 superstring. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 3583-3605.	2.1	103
33	Spinning Strings and Integrable Spin Chains in the AdS/CFT Correspondence. Living Reviews in Relativity, 2005, 8, 9.	26.7	83
34	VERTEX OPERATORS FOR THE SUPERMEMBRANE AND BACKGROUND FIELD MATRIX THEORY. International Journal of Modern Physics A, 2001, 16, 660-668.	1.5	14
35	Two loops to two loops in N = 4 supersymmetric Yang-Mills theory. Journal of High Energy Physics, 2001, 2001, 031-031.	4.7	28
36	Yang-Mills integrals. Classical and Quantum Gravity, 2000, 17, 1171-1179.	4.0	9