Paul Heslop

List of Publications by Year
in descending order

32 papers	**1,395** citations	394421 **19** h-index	434195 **31** g-index
32 all docs	**32** docs citations	**32** times ranked	**318** citing authors

#	Article	IF	Citations
1	Amplituhedron-like geometries. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
2	Wilson loop form factors: a new duality. Journal of High Energy Physics, 2018, 2018, 1.	4.7	2
3	Double-trace spectrum of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">N</mml:mi><mml:mo>=</mml:mo><mml:mn>4</mml:mn></mml:math> supersymmetric Yang-Mills theory at strong coupling. Physical Review D, 2018, 98, .	4.7	47
4	The twistor Wilson loop and the amplituhedron. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
5	Multi-particle amplitudes from the four-point correlator in planar $$ mathcal{N} $$ = 4 SYM. Journal of High Energy Physics, 2018, 2018, 1.	4.7	2
6	The correlahedron. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
7	All three-loop four-point correlators of half-BPS operators in planar N $$ mathcal{N} $$ = 4 SYM. Journal of High Energy Physics, 2016, 2016, 1.	4.7	37
8	Perturbation Theory at Eight Loops: Novel Structures and the Breakdown of Manifest Conformality inN=4Supersymmetric Yang-Mills Theory. Physical Review Letters, 2016, 116, 191602.	7.8	44
9	Amplitudes and correlators to ten loops using simple, graphical bootstraps. Journal of High Energy Physics, 2016, 2016, 1.	4.7	52
10	Bootstrapping correlation functions in N = 4 $$ mathcal{N}=4 $$ SYM. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
11	Yangian Symmetry of Scattering Amplitudes and the Dilatation Operator inN=4Supersymmetric Yang-Mills Theory. Physical Review Letters, 2015, 115, 141602.	7.8	5
12	Correlation functions of the chiral stress-tensor multiplet in N = 4 $$ mathcal{N}=4 $$ SYM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
13	Superconformal partial waves in Grassmannian field theories. Journal of High Energy Physics, 2015, 2015, 1-57.	4.7	14
14	Local integrands for the five-point amplitude in planar N=4 SYM up to five loops. Journal of High Energy Physics, 2015, 2015, 1.	4.7	19
15	Leading singularities and off-shell conformal integrals. Journal of High Energy Physics, 2013, 2013, 1.	4.7	77
16	The super-correlator/super-amplitude duality: Part I. Nuclear Physics B, 2013, 869, 329-377.	2.5	73
17	The super-correlator/super-amplitude duality: Part II. Nuclear Physics B, 2013, 869, 378-416.	2.5	49
18	Uplifting amplitudes in special kinematics. Journal of High Energy Physics, 2012, 2012, 1.	4.7	9

#	Article	IF	Citations
19	Hidden symmetry of four-point correlation functions and amplitudes in $\mathcal{N}=4$ SYM. Nuclear Physics B, 2012, 862, 193-231.	2.5	75
20	Constructing the correlation function of four stress-tensor multiplets and the four-particle amplitude in $\mathcal{N}=4$ SYM. Nuclear Physics B, 2012, 862, 450-503.	2.5	77
21	Five-loop Konishi in $\mathcal{N}=4$ SYM. Nuclear Physics B, 2012, 862, 123-166.	2.5	37
22	Wilson loops @ 3-loops in special kinematics. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
23	Simplicity of polygon Wilson loops in $$ \mathcal{N} $$ = 4 SYM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	32
24	Regular Wilson loops and MHV amplitudes at weak and strong coupling. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
25	A surprise in the amplitude/Wilson loop duality. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
26	Analytic results for MHV Wilson loops. Journal of High Energy Physics, 2010, 2010, 1.	4.7	40
27	Proof of the dual conformal anomaly of one-loop amplitudes in ? = 4 SYM. Journal of High Energy Physics, 2009, 2009, 063-063.	4.7	31
28	One-loop amplitudes in ? = 4 super Yang-Mills and anomalous dual conformal symmetry. Journal of High Energy Physics, 2009, 2009, 095-095.	4.7	30
29	MHV amplitudes in super-Yang–Mills and Wilson Loops. Nuclear Physics B, 2008, 794, 231-243.	2.5	378
30	Note on dual superconformal symmetry of the $\mathcal{N}=4$ super Yang-Mills S matrix. Physical Review D, 2008, 78, .	4.7	107
31	Systematics of quarter BPS operators in Script N = 4 SYM. Journal of High Energy Physics, 2003, 2003, 038-038.	4.7	46
32	Harmonic superspaces and superconformal fields. , 2000, , .		1