

Paul Heslop

List of Publications by Year in descending order

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32
papers

1,395
citations

394421

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434195

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docs citations

32
times ranked

318
citing authors

#	ARTICLE	IF	CITATIONS
1	MHV amplitudes in super-Yang-Mills and Wilson Loops. Nuclear Physics B, 2008, 794, 231-243.	2.5	378
2	Note on dual superconformal symmetry of the $\mathcal{N}=4$ super Yang-Mills correlation function of four stress-tensor multiplets. Nuclear Physics B, 2008, 794, 231-243.	4.7	107
3	Construction of the correlation function of four stress-tensor multiplets. Nuclear Physics B, 2012, 862, 450-503.	2.5	77
4	Leading singularities and off-shell conformal integrals. Journal of High Energy Physics, 2013, 2013, 1.	4.7	77
5	Hidden symmetry of four-point correlation functions and amplitudes in $\mathcal{N}=4$ SYM. Nuclear Physics B, 2012, 862, 193-231.	2.5	75
6	The super-correlator/super-amplitude duality: Part I. Nuclear Physics B, 2013, 869, 329-377.	2.5	73
7	Amplitudes and correlators to ten loops using simple, graphical bootstraps. Journal of High Energy Physics, 2016, 2016, 1.	4.7	52
8	The super-correlator/super-amplitude duality: Part II. Nuclear Physics B, 2013, 869, 378-416.	2.5	49
9	Double-trace spectrum of $\mathcal{N}=4$ supersymmetric Yang-Mills theory at strong coupling. Physical Review D, 2018, 98, .	4.7	47
10	Systematics of quarter BPS operators in $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2003, 2003, 038-038.	4.7	46
11	Perturbation Theory at Eight Loops: Novel Structures and the Breakdown of Manifest Conformality in $\mathcal{N}=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2016, 116, 191602.	7.8	44
12	Analytic results for MHV Wilson loops. Journal of High Energy Physics, 2010, 2010, 1.	4.7	40
13	Five-loop Konishi in $\mathcal{N}=4$ SYM. Nuclear Physics B, 2012, 862, 123-166.	2.5	37
14	All three-loop four-point correlators of half-BPS operators in planar $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2016, 2016, 1.	4.7	37
15	Simplicity of polygon Wilson loops in $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	32
16	Proof of the dual conformal anomaly of one-loop amplitudes in $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2009, 2009, 063-063.	4.7	31
17	One-loop amplitudes in $\mathcal{N}=4$ super Yang-Mills and anomalous dual conformal symmetry. Journal of High Energy Physics, 2009, 2009, 095-095.	4.7	30
18	Correlation functions of the chiral stress-tensor multiplet in $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30

#	ARTICLE	IF	CITATIONS
19	Wilson loops @ 3-loops in special kinematics. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
20	The correlahedron. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
21	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
22	Superconformal partial waves in Grassmannian field theories. Journal of High Energy Physics, 2015, 2015, 1-57.	4.7	14
23	Bootstrapping correlation functions in $N = 4$ $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
24	Uplifting amplitudes in special kinematics. Journal of High Energy Physics, 2012, 2012, 1.	4.7	9
25	Regular Wilson loops and MHV amplitudes at weak and strong coupling. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
26	A surprise in the amplitude/Wilson loop duality. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
27	Amplituhedron-like geometries. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
28	Yangian Symmetry of Scattering Amplitudes and the Dilatation Operator in $N=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2015, 115, 141602.	7.8	5
29	The twistor Wilson loop and the amplituhedron. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
30	Wilson loop form factors: a new duality. Journal of High Energy Physics, 2018, 2018, 1.	4.7	2
31	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
32	Harmonic superspaces and superconformal fields. , 2000, , .		1