

# Andreas Brandhuber

## List of Publications by Year in descending order

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46  
papers

2,373  
citations

201674

27  
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243625

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g-index

46  
all docs

46  
docs citations

46  
times ranked

484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinematic Hopf Algebra for Bern-Carrasco-Johansson Numerators in Heavy-Mass Effective Field Theory and Yang-Mills Theory. Physical Review Letters, 2022, 128, 121601.	7.8	30
2	From amplitudes to gravitational radiation with cubic interactions and tidal effects. Physical Review D, 2021, 103, .	4.7	49
3	A new gauge-invariant double copy for heavy-mass effective theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	45
4	Celestial superamplitudes. Physical Review D, 2021, 104, .	4.7	11
5	Classical gravitational scattering from a gauge-invariant double copy. Journal of High Energy Physics, 2021, 2021, 1.	4.7	94
6	Note on the absence of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msup} \langle \text{mml:mi} \rangle \text{R} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{corrections to Newton's potential. Physical Review D, 2020, 101, .$	4.7	24
7	Eikonal phase matrix, deflection angle, and time delay in effective field theories of gravity. Physical Review D, 2020, 102, .	4.7	73
8	On higher-derivative effects on the gravitational potential and particle bending. Journal of High Energy Physics, 2020, 2020, 1.	4.7	47
9	Complete form factors in Yang-Mills from unitarity and spinor helicity in six dimensions. Physical Review D, 2020, 101, .	4.7	8
10	Dual conformal invariance for form factors. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
11	Form factor recursion relations at loop level. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
12	Tr(F3) supersymmetric form factors and maximal transcendentality. Part II. $\mathcal{N} = 4$ super Yang-Mills. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
13	Tr(F3) supersymmetric form factors and maximal transcendentality. Part I. $\mathcal{N} = 4$ super Yang-Mills. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
14	Higgs Amplitudes from N=4 Supersymmetric Yang-Mills Theory. Physical Review Letters, 2017, 119, 161601.	7.8	32
15	One-loop soft theorems via dual superconformal symmetry. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
16	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
17	Integrability and unitarity. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
18	Integrability and Maximally Helicity Violating Diagrams in N=4 Supersymmetric Yang-Mills Theory. Physical Review Letters, 2015, 114, 071602.	7.8	8

#	ARTICLE	IF	CITATIONS
19	Simplifying instanton corrections to $\mathcal{N} = 4$ SYM correlators. Journal of High Energy Physics, 2014, 2014, 1.	4.7	5
20	The last of the simple remainders. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
21	Analytic two-loop form factors in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2012, 2012, 1.	4.7	104
22	A note on amplitudes in $\mathcal{N} = 6$ superconformal Chern-Simons theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	27
23	All one-loop amplitudes in $\mathcal{N}=6$ superconformal Chern-Simons theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
24	Form factors in $\mathcal{N} = 4$ super Yang-Mills and periodic Wilson loops. Journal of High Energy Physics, 2011, 2011, 1.	4.7	93
25	One-loop amplitudes in six-dimensional (1,1) theories from generalised unitarity. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
26	Tree-level formalism. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 454002.	2.1	21
27	Simplicity of polygon Wilson loops in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	32
28	A surprise in the amplitude/Wilson loop duality. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
29	A note on dual MHV diagrams in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	7
30	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
31	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
32	MHV amplitudes in super-Yang-Mills and Wilson Loops. Nuclear Physics B, 2008, 794, 231-243.	2.5	378
33	Note on dual superconformal symmetry of the $\mathcal{N} = 4$ super Yang-Mills. Physical Review D, 2008, 78, .	4.7	107
34	Recursion Relations for one-loop gravity amplitudes. Journal of High Energy Physics, 2007, 2007, 029-029.	4.7	25
35	Amplitudes in pure Yang-Mills and MHV Diagrams. Journal of High Energy Physics, 2007, 2007, 088-088.	4.7	29
36	One-loop MHV rules and pure Yang-Mills. Journal of High Energy Physics, 2007, 2007, 002-002.	4.7	28

#	ARTICLE	IF	CITATIONS
37	Twistor inspired methods in gauge theory and gravity. Contemporary Physics, 2007, 48, 131-142.	1.8	0
38	Twistor approach to one-loop amplitudes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 289-292.	1.6	0
39	From trees to loops and back. Journal of High Energy Physics, 2006, 2006, 142-142.	4.7	64
40	Loop amplitudes in pure Yang-Mills from generalised unitarity. Journal of High Energy Physics, 2005, 2005, 011-011.	4.7	99
41	One-loop gauge theory amplitudes in super Yang-Mills from MHV vertices. Nuclear Physics B, 2005, 706, 150-180.	2.5	176
42	A twistor approach to one-loop amplitudes in supersymmetric Yang-Mills theory. Nuclear Physics B, 2005, 706, 100-126.	2.5	91
43	Non-supersymmetric loop amplitudes and MHV vertices. Nuclear Physics B, 2005, 712, 59-85.	2.5	102
44	A recursion relation for gravity amplitudes. Nuclear Physics B, 2005, 721, 98-110.	2.5	131
45	Chiral Rings, Superpotentials and the Vacuum Structure of $\mathcal{N} = 1$ Supersymmetric Gauge Theories. Advances in Theoretical and Mathematical Physics, 2003, 7, 269-305.	0.6	28
46	Wilson loops, confinement, and phase transitions in large N gauge theories from supergravity. Journal of High Energy Physics, 1998, 1998, 001-001.	4.7	141