

Andreas Brandhuber

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,373
citations

201674

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243625

44
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all docs

46
docs citations

46
times ranked

484
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 | One-loop gauge theory amplitudes in super Yang-Mills from MHV vertices. Nuclear Physics B, 2005, 706, 150-180. | 2.5 | 176 |
| 3 | 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 |
| 4 | A recursion relation for gravity amplitudes. Nuclear Physics B, 2005, 721, 98-110. | 2.5 | 131 |
| 5 | Note on dual superconformal symmetry of the $\mathcal{N}=4$ super Yang-Mills scattering matrix. Physical Review D, 2008, 78, . | 4.7 | 107 |
| 6 | Analytic two-loop form factors in $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 104 |
| 7 | Non-supersymmetric loop amplitudes and MHV vertices. Nuclear Physics B, 2005, 712, 59-85. | 2.5 | 102 |
| 8 | Loop amplitudes in pure Yang-Mills from generalised unitarity. Journal of High Energy Physics, 2005, 2005, 011-011. | 4.7 | 99 |
| 9 | Classical gravitational scattering from a gauge-invariant double copy. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 94 |
| 10 | Form factors in $\mathcal{N}=4$ super Yang-Mills and periodic Wilson loops. Journal of High Energy Physics, 2011, 2011, 1. | 4.7 | 93 |
| 11 | A twistor approach to one-loop amplitudes in supersymmetric Yang-Mills theory. Nuclear Physics B, 2005, 706, 100-126. | 2.5 | 91 |
| 12 | Eikonal phase matrix, deflection angle, and time delay in effective field theories of gravity. Physical Review D, 2020, 102, . | 4.7 | 73 |
| 13 | From trees to loops and back. Journal of High Energy Physics, 2006, 2006, 142-142. | 4.7 | 64 |
| 14 | The last of the simple remainders. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 51 |
| 15 | From amplitudes to gravitational radiation with cubic interactions and tidal effects. Physical Review D, 2021, 103, . | 4.7 | 49 |
| 16 | On higher-derivative effects on the gravitational potential and particle bending. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 47 |
| 17 | A new gauge-invariant double copy for heavy-mass effective theory. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 45 |
| 18 | Simplicity of polygon Wilson loops in $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2010, 2010, 1. | 4.7 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Higgs Amplitudes from N=4 Supersymmetric Yang-Mills Theory. Physical Review Letters, 2017, 119, 161601. | 7.8 | 32 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Amplitudes in pure Yang-Mills and MHV Diagrams. Journal of High Energy Physics, 2007, 2007, 088-088. | 4.7 | 29 |
| 24 | 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 |
| 25 | One-loop MHV rules and pure Yang-Mills. Journal of High Energy Physics, 2007, 2007, 002-002. | 4.7 | 28 |
| 26 | 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 |
| 27 | A note on amplitudes in $\mathcal{N} = 6$ superconformal Chern-Simons theory. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 27 |
| 28 | Recursion Relations for one-loop gravity amplitudes. Journal of High Energy Physics, 2007, 2007, 029-029. | 4.7 | 25 |
| 29 | One-loop amplitudes in six-dimensional (1,1) theories from generalised unitarity. Journal of High Energy Physics, 2011, 2011, 1. | 4.7 | 25 |
| 30 | Note on the absence of $\mathcal{O}(R^2)$ corrections to Newton's potential. Physical Review D, 2020, 101, . | 4.7 | 24 |
| 31 | Tree-level formalism. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 454002. | 2.1 | 21 |
| 32 | 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 |
| 33 | All one-loop amplitudes in $\mathcal{N} = 6$ superconformal Chern-Simons theory. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 18 |
| 34 | Dual conformal invariance for form factors. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 18 |
| 35 | Form factor recursion relations at loop level. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 13 |
| 36 | Celestial superamplitudes. Physical Review D, 2021, 104, . | 4.7 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | One-loop soft theorems via dual superconformal symmetry. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 10 |
| 38 | A surprise in the amplitude/Wilson loop duality. Journal of High Energy Physics, 2010, 2010, 1. | 4.7 | 8 |
| 39 | Integrability and Maximally Helicity Violating Diagrams in $N=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2015, 114, 071602. | 7.8 | 8 |
| 40 | Complete form factors in Yang-Mills from unitarity and spinor helicity in six dimensions. Physical Review D, 2020, 101, . | 4.7 | 8 |
| 41 | A note on dual MHV diagrams in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2010, 2010, 1. | 4.7 | 7 |
| 42 | Integrability and unitarity. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 6 |
| 43 | Simplifying instanton corrections to $\mathcal{N} = 4$ SYM correlators. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 5 |
| 44 | 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 |
| 45 | 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 |
| 46 | Twistor inspired methods in gauge theory and gravity. Contemporary Physics, 2007, 48, 131-142. | 1.8 | 0 |