Gabriele Travaglini

List of Publications by Year
in descending order

52 papers	2,399 citations	201674 27 h-index	197818 49 g-index
52 all docs	52 docs citations	52 times ranked	427 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 R^2 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. 0 <$$ \mathcal{N} $$< 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	All rational one-loop Einstein-Yang-Mills amplitudes at four points. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
15	Higgs Amplitudes from N=4 Supersymmetric Yang-Mills Theory. Physical Review Letters, 2017, 119, 161601.	7.8	32
16	One-loop soft theorems via dual superconformal symmetry. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
17	Yangian Symmetry of Scattering Amplitudes and the Dilatation Operator inN=4Supersymmetric Yang-Mills Theory. Physical Review Letters, 2015, 115, 141602.	7.8	5
18	Double-soft limits of gluons and gravitons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	50

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19	Integrability and unitarity. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
20	Integrability and Maximally Helicity Violating Diagrams inN=4Supersymmetric Yang-Mills Theory. Physical Review Letters, 2015, 114, 071602.	7.8	8
21	On super form factors of half-BPS operators in $ mathcal{N} $ =4 super Yang-Mills. Journal of High Energy Physics, 2014, 2014, 1.	4.7	37
22	Simplifying instanton corrections to $ mathcal{N} $ = 4 SYM correlators. Journal of High Energy Physics, 2014, 2014, 1.	4.7	5
23	The last of the simple remainders. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
24	Analytic two-loop form factors in $ mathcal{N} = 4 $ SYM. Journal of High Energy Physics, 2012, 2012, 1.	4.7	104
25	A note on amplitudes in $$ mathcal{N} = {6} $$ superconformal Chern-Simons theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	27
26	All one-loop amplitudes in $ mathcal{N}=6 $ superconformal Chern-Simons theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
27	Form factors in $ mathcal{N} = 4 $ super Yang-Mills and periodic Wilson loops. Journal of High Energy Physics, 2011, 2011, 1.	4.7	93
28	One-loop amplitudes in six-dimensional (1,1) theories from generalised unitarity. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
29	Tree-level formalism. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 454002.	2.1	21
30	Simplicity of polygon Wilson loops in $$ mathcal{N} $$ = 4 SYM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	32
31	A surprise in the amplitude/Wilson loop duality. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
32	A note on dual MHV diagrams in $ mathcal{N} = 4 $ SYM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	7
33	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
34	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
35	One-loop ? = 8 supergravity coefficients from ? = 4 super Yang-Mills. Journal of High Energy Physics, 2009, 2009, 096-096.	4.7	6
36	MHV amplitudes in super-Yangâ€"Mills and Wilson Loops. Nuclear Physics B, 2008, 794, 231-243.	2.5	378

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37	Note on dual superconformal symmetry of the $\mathcal{N}=4$ super Yang-Mills S-matrix. Physical Review D, 2008, 78, .	4.7	107
38	One-loop {cal N}=8 supergravity amplitudes from MHV diagrams. Classical and Quantum Gravity, 2007, 24, 6071-6095.	4.0	6
39	Recursion Relations for one-loop gravity amplitudes. Journal of High Energy Physics, 2007, 2007, 029-029.	4.7	25
40	Amplitudes in pure Yang-Mills and MHV Diagrams. Journal of High Energy Physics, 2007, 2007, 088-088.	4.7	29
41	One-loop MHV rules and pure Yang-Mills. Journal of High Energy Physics, 2007, 2007, 002-002.	4.7	28
42	Twistor inspired methods in gauge theory and gravity. Contemporary Physics, 2007, 48, 131-142.	1.8	0
43	From trees to loops and back. Journal of High Energy Physics, 2006, 2006, 142-142.	4.7	64
44	Loop amplitudes in pure Yang-Mills from generalised unitarity. Journal of High Energy Physics, 2005, 2005, 011-011.	4.7	99
45	One-loop gauge theory amplitudes in super Yang–Mills from MHV vertices. Nuclear Physics B, 2005, 706, 150-180.	2.5	176
46	A twistor approach to one-loop amplitudes in supersymmetric Yang–Mills theory. Nuclear Physics B, 2005, 706, 100-126.	2.5	91
47	Non-supersymmetric loop amplitudes and MHV vertices. Nuclear Physics B, 2005, 712, 59-85.	2.5	102
48	A recursion relation for gravity amplitudes. Nuclear Physics B, 2005, 721, 98-110.	2.5	131
49	NONCOMMUTATIVITY, SUPERSYMMETRY BREAKING AND MODEL BUILDING. , 2003, , .		0
50	On the multi-instanton measure for super Yang–Mills theories. Nuclear Physics B, 2001, 611, 205-226.	2.5	21
51	Multi-instantons, supersymmetry and topological field theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 480, 365-372.	4.1	25
52	Instanton calculus and nonperturbative relations in N=2 supersymmetric gauge theories. Physical Review D, 1997, 55, 1099-1104.	4.7	41