

Gabriele Travaglini

List of Publications by Year in descending order

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52
papers

2,399
citations

201674

27
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197818

49
g-index

52
all docs

52
docs citations

52
times ranked

427
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	A recursion relation for gravity amplitudes. Nuclear Physics B, 2005, 721, 98-110.	2.5	131
4	Note on dual superconformal symmetry of the $N=4$ super Yang-Mills S matrix. Physical Review D, 2008, 78, .	4.7	107
5	Analytic two-loop form factors in $N=4$ SYM. Journal of High Energy Physics, 2012, 2012, 1.	4.7	104
6	Non-supersymmetric loop amplitudes and MHV vertices. Nuclear Physics B, 2005, 712, 59-85.	2.5	102
7	Loop amplitudes in pure Yang-Mills from generalised unitarity. Journal of High Energy Physics, 2005, 2005, 011-011.	4.7	99
8	Classical gravitational scattering from a gauge-invariant double copy. Journal of High Energy Physics, 2021, 2021, 1.	4.7	94
9	Form factors in $N=4$ super Yang-Mills and periodic Wilson loops. Journal of High Energy Physics, 2011, 2011, 1.	4.7	93
10	A twistor approach to one-loop amplitudes in supersymmetric Yang-Mills theory. Nuclear Physics B, 2005, 706, 100-126.	2.5	91
11	Eikonal phase matrix, deflection angle, and time delay in effective field theories of gravity. Physical Review D, 2020, 102, .	4.7	73
12	From trees to loops and back. Journal of High Energy Physics, 2006, 2006, 142-142.	4.7	64
13	The last of the simple remainders. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
14	Double-soft limits of gluons and gravitons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	50
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	Instanton calculus and nonperturbative relations in $N=2$ supersymmetric gauge theories. Physical Review D, 1997, 55, 1099-1104.	4.7	41

#	ARTICLE	IF	CITATIONS
19	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
20	Simplicity of polygon Wilson loops in $\mathcal{N}=4$ SYM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	32
21	Higgs Amplitudes from $\mathcal{N}=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2017, 119, 161601.	7.8	32
22	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
23	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
24	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
25	Amplitudes in pure Yang-Mills and MHV Diagrams. Journal of High Energy Physics, 2007, 2007, 088-088.	4.7	29
26	$\text{Tr}(F^3)$ 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
27	One-loop MHV rules and pure Yang-Mills. Journal of High Energy Physics, 2007, 2007, 002-002.	4.7	28
28	A note on amplitudes in $\mathcal{N}=6$ superconformal Chern-Simons theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	27
29	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
30	Recursion Relations for one-loop gravity amplitudes. Journal of High Energy Physics, 2007, 2007, 029-029.	4.7	25
31	One-loop amplitudes in six-dimensional $(1,1)$ theories from generalised unitarity. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
32	Note on the absence of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msup}> \langle \text{mml:mi}> R \langle / \text{mml:mi}> \langle \text{mml:mn}> 2 \langle / \text{mml:mn}> \langle / \text{mml:msup}> \langle / \text{mml:math}>$ corrections to Newton's potential. Physical Review D, 2020, 101, .	4.7	24
33	On the multi-instanton measure for super Yang-Mills theories. Nuclear Physics B, 2001, 611, 205-226.	2.5	21
34	Tree-level formalism. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 454002.	2.1	21
35	$\text{Tr}(F^3)$ 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
36	All one-loop amplitudes in $\mathcal{N}=6$ superconformal Chern-Simons theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18

#	ARTICLE	IF	CITATIONS
37	Dual conformal invariance for form factors. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
38	Form factor recursion relations at loop level. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
39	Celestial superamplitudes. Physical Review D, 2021, 104, .	4.7	11
40	One-loop soft theorems via dual superconformal symmetry. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
41	All rational one-loop Einstein-Yang-Mills amplitudes at four points. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
42	A surprise in the amplitude/Wilson loop duality. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
43	Integrability and Maximally Helicity Violating Diagrams in $N=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2015, 114, 071602.	7.8	8
44	Complete form factors in Yang-Mills from unitarity and spinor helicity in six dimensions. Physical Review D, 2020, 101, .	4.7	8
45	A note on dual MHV diagrams in $N = 4$ SYM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	7
46	One-loop $N=8$ supergravity amplitudes from MHV diagrams. Classical and Quantum Gravity, 2007, 24, 6071-6095.	4.0	6
47	One-loop $N = 8$ supergravity coefficients from $N = 4$ super Yang-Mills. Journal of High Energy Physics, 2009, 2009, 096-096.	4.7	6
48	Integrability and unitarity. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
49	Simplifying instanton corrections to $N = 4$ SYM correlators. Journal of High Energy Physics, 2014, 2014, 1.	4.7	5
50	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
51	Twistor inspired methods in gauge theory and gravity. Contemporary Physics, 2007, 48, 131-142.	1.8	0
52	NONCOMMUTATIVITY, SUPERSYMMETRY BREAKING AND MODEL BUILDING. , 2003, , .		0