

Freddy Cachazo

List of Publications by Year in descending order

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51
papers

5,422
citations

186265

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times ranked

727
citing authors

#	ARTICLE	IF	CITATIONS
1	Leading singularities and classical gravitational scattering. Journal of High Energy Physics, 2020, 2020, 1.	4.7	49
2	Notes on biadjoint amplitudes, Trop G(3, 7) and X(3, 7) scattering equations. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
3	Singular solutions in soft limits. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
4	Generalized planar Feynman diagrams: collections. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
5	Scattering equations: from projective spaces to tropical grassmannians. Journal of High Energy Physics, 2019, 2019, 1.	4.7	51
6	$\hat{\mathcal{P}}$ -algebra and scattering amplitudes. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
7	Compatible cycles and CHY integrals. Journal of High Energy Physics, 2019, 2019, 1.	4.7	2
8	The S matrix of 6D super Yang-Mills and maximal supergravity from rational maps. Journal of High Energy Physics, 2018, 2018, 1.	4.7	33
9	Scattering equations: real solutions and particles on a line. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
10	One-loop corrections from higher dimensional tree amplitudes. Journal of High Energy Physics, 2016, 2016, 1.	4.7	74
11	Extensions of theories from soft limits. Journal of High Energy Physics, 2016, 2016, 1.	4.7	98
12	Computation of contour integrals on $\hat{\mathbb{A}}^3_{0,n}$, n $\mathbb{M}_{\mathcal{M}}^{\mathcal{M}}$. Journal of High Energy Physics, 2016, 2016, 1-37.	4.7	27
13	New double soft emission theorems. Physical Review D, 2015, 92, .	4.7	44
14	On-shell structures of MHV amplitudes beyond the planar limit. Journal of High Energy Physics, 2015, 2015, 1.	4.7	57
15	Scattering equations and matrices: from Einstein to Yang-Mills, DBI and NLSM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	312
16	Einstein-Yang-Mills scattering amplitudes from scattering equations. Journal of High Energy Physics, 2015, 2015, 1.	4.7	161
17	Singularity Structure of Maximally Supersymmetric Scattering Amplitudes. Physical Review Letters, 2014, 113, 261603.	7.8	72
18	Scattering equations and Kawai-Lewellen-Tye orthogonality. Physical Review D, 2014, 90, .	4.7	176

#	ARTICLE	IF	CITATIONS
19	Scattering of Massless Particles in Arbitrary Dimensions. Physical Review Letters, 2014, 113, 171601.	7.8	436
20	Scattering of massless particles: scalars, gluons and gravitons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	394
21	Gravity from Rational Curves in Twistor Space. Physical Review Letters, 2013, 110, 161301.	7.8	70
22	Scattering in three dimensions from rational maps. Journal of High Energy Physics, 2013, 2013, 1.	4.7	86
23	The Grassmannian origin of dual superconformal invariance. Journal of High Energy Physics, 2010, 2010, 1.	4.7	121
24	What is the simplest quantum field theory?. Journal of High Energy Physics, 2010, 2010, 1.	4.7	293
25	Leading singularities of the two-loop six-particle maximally helicity violating amplitude. Physical Review D, 2008, 78, .	4.7	37
26	Taming tree amplitudes in general relativity. Journal of High Energy Physics, 2007, 2007, 057-057.	4.7	103
27	Four-loop cusp anomalous dimension from obstructions. Physical Review D, 2007, 75, .	4.7	79
28	Four-loop collinear anomalous dimension in $\mathcal{N}=4$ super Yang-Mills theory. Physical Review D, 2007, 76, .	4.7	30
29	Children's drawings from Seiberg-Witten curves. Communications in Number Theory and Physics, 2007, 1, 237-305.	1.0	18
30	Iterative structure within the five-particle two-loop amplitude. Physical Review D, 2006, 74, .	4.7	49
31	Two-loop amplitudes of gluons and octa-cuts in Script $\mathcal{N} = 4$ super Yang-Mills. Journal of High Energy Physics, 2005, 2005, 036-036.	4.7	78
32	One-loop amplitudes of gluons in supersymmetric QCD. Physical Review D, 2005, 72, .	4.7	124
33	New recursion relations for tree amplitudes of gluons. Nuclear Physics B, 2005, 715, 499-522.	2.5	751
34	Direct Proof of the Tree-Level Scattering Amplitude Recursion Relation in Yang-Mills Theory. Physical Review Letters, 2005, 94, 181602.	7.8	1,022
35	MHV Vertices And Tree Amplitudes In Gauge Theory. Journal of High Energy Physics, 2004, 2004, 006-006.	4.7	493
36	Introduction to on-shell functions and diagrams. , 0, , 5-28.		0

#	ARTICLE	IF	CITATIONS
37	Permutations and scattering amplitudes. , 0 , 29-36.		0
38	From on-shell diagrams to the Grassmannian. , 0 , 37-59.		0
39	Configurations of vectors and the positive Grassmannian. , 0 , 60-76.		1
40	Boundary configurations, graphs, and permutations. , 0 , 77-82.		0
41	The invariant top-form and the positroid stratification. , 0 , 83-87.		0
42	(Super-)conformal and dual conformal invariance. , 0 , 88-96.		0
43	Positive diffeomorphisms and Yangian invariance. , 0 , 97-100.		0
44	The kinematical support of physical on-shell forms. , 0 , 101-106.		0
45	Homological identities among Yangian-invariants. , 0 , 107-112.		0
46	(Relatively) orienting canonical coordinate charts on positroids configurations. , 0 , 113-120.		0
47	Classification of Yangian-invariants and their relations. , 0 , 121-126.		0
48	The Yang-Baxter relation and ABJM theories. , 0 , 127-135.		0
49	On-shell diagrams for theories with $N < 4$ supersymmetries. , 0 , 136-140.		0
50	Dual graphs and cluster algebras. , 0 , 141-154.		0
51	On-shell representations of scattering amplitudes. , 0 , 155-177.		0