

# David C Dunbar

## List of Publications by Year in descending order

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56  
papers

3,549  
citations

304743

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168389

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all docs

57  
docs citations

57  
times ranked

2514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Color dressed unitarity and recursion for Yang-Mills two-loop all-plus amplitudes. Physical Review D, 2020, 101, .	4.7	13
2	$n$ -point QCD two-loop amplitude. Physical Review D, 2020, 101, .	4.7	9
3	Full color two-loop six-gluon all-plus helicity amplitude. Physical Review D, 2020, 101, .	4.7	8
4	Loop amplitudes in an extended gravity theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 41-47.	4.1	5
5	Analytic results for two-loop Yang-Mills. , 2018, , .		0
6	Diagrammar in an extended theory of gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 230-234.	4.1	4
7	Two-loop gravity amplitudes from four dimensional unitarity. Physical Review D, 2017, 95, .	4.7	5
8	Analytic all-plus-helicity gluon amplitudes in QCD. Physical Review D, 2017, 96, .	4.7	19
9	Two-loop five-point all-plus helicity Yang-Mills amplitude. Physical Review D, 2016, 93, .	4.7	32
10	Two-loop $n$ -point all-plus helicity amplitude. Physical Review D, 2016, 93, .	4.7	17
11	Two-Loop Six Gluon All-Plus Helicity Amplitude. Physical Review Letters, 2016, 117, 061602.	7.8	28
12	$N$ -point supergravity next-to-maximally-helicity-violating six-point one-loop amplitude. Physical Review D, 2016, 94, .	4.7	3
13	$n$ -point amplitudes with a single negative-helicity graviton. Physical Review D, 2015, 92, .	4.7	25
14	Complex factorization and recursion for one-loop amplitudes. Physical Review D, 2012, 86, .	4.7	12
15	Constructing gravity amplitudes from real soft and collinear factorization. Physical Review D, 2012, 86, .	4.7	6
16	Maximal-Helicity-Violating $n$ -Point One-Loop Amplitude in $N=4$ Supergravity. Physical Review Letters, 2012, 108, 061603.	7.8	10
17	Perturbative expansion of $N=8$ Supergravity. Physical Review D, 2011, 83, .	4.7	16
18	Obtaining one-loop gravity amplitudes using spurious singularities. Physical Review D, 2011, 84, .	4.7	7

#	ARTICLE	IF	CITATIONS
19	Augmented recursion for one-loop gravity amplitudes. Journal of High Energy Physics, 2010, 2010, 1.	4.7	23
20	Augmented Recursion For One-loop Amplitudes. Nuclear Physics, Section B, Proceedings Supplements, 2010, 205-206, 74-79.	0.4	4
21	The unitarity method using a canonical basis approach. Journal of High Energy Physics, 2009, 2009, 056-056.	4.7	16
22	The Six Gluon One-Loop Amplitude. Nuclear Physics, Section B, Proceedings Supplements, 2008, 183, 122-136.	0.4	4
23	Analytic structure of three-mass triangle coefficients. Journal of High Energy Physics, 2008, 2008, 038-038.	4.7	37
24	SIMILARITIES OF GAUGE AND GRAVITY AMPLITUDES. , 2007, , .		3
25	Exploiting Twistor Techniques for One-loop QCD Amplitudes. Nuclear Physics, Section B, Proceedings Supplements, 2006, 160, 66-70.	0.4	2
26	Recursive Approach to One-loop QCD Matrix Elements. Nuclear Physics, Section B, Proceedings Supplements, 2006, 157, 120-124.	0.4	3
27	Perturbative Gravity and Twistor Space. Nuclear Physics, Section B, Proceedings Supplements, 2006, 160, 215-219.	0.4	6
28	The no-triangle hypothesis for Script N = 8 supergravity. Journal of High Energy Physics, 2006, 2006, 072-072.	4.7	73
29	MHV-vertices for gravity amplitudes. Journal of High Energy Physics, 2006, 2006, 009-009.	4.7	76
30	PERTURBATIVE APPROACHES TO QUANTUM GRAVITY AND STRINGS. , 2006, , .		0
31	Twistor space structure of the box coefficients of $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"</small>	4.1	43
32	One-loop gluon scattering amplitudes in theories with $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"</small>	4.1	76
33	$\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"</small>	4.1	46
34	Supersymmetric ward identities and NMHV amplitudes involving gluinos. Journal of High Energy Physics, 2005, 2005, 055-055.	4.7	29
35	Inherited twistor-space structure of gravity amplitudes. Journal of High Energy Physics, 2005, 2005, 056-056.	4.7	78
36	Recursive calculation of one-loop QCD integral coefficients. Journal of High Energy Physics, 2005, 2005, 027-027.	4.7	68

#	ARTICLE	IF	CITATIONS
37	Gravity and form scattering and renormalization of gravity in six and eight dimensions. <i>Classical and Quantum Gravity</i> , 2003, 20, 2293-2324.	4.0	14
38	Ultra-violet infinities and counterterms in higher-dimensional Yang-Mills. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 547, 278-290.	4.1	4
39	Counterterms in type I supergravities. <i>Journal of High Energy Physics</i> , 2000, 2000, 046-046.	4.7	26
40	Infinities within graviton scattering amplitudes. <i>Classical and Quantum Gravity</i> , 1997, 14, 351-365.	4.0	68
41	One-loop self-dual and $N = 4$ super Yang-Mills. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 394, 105-115.	4.1	197
42	Calculation of graviton scattering amplitudes using string-based methods. <i>Nuclear Physics B</i> , 1995, 433, 181-206.	2.5	130
43	Fusing gauge theory tree amplitudes into loop amplitudes. <i>Nuclear Physics B</i> , 1995, 435, 59-101.	2.5	801
44	One-loop n-point gauge theory amplitudes, unitarity and collinear limits. <i>Nuclear Physics B</i> , 1994, 425, 217-260.	2.5	1,071
45	String-based methods in perturbative gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 312, 277-284.	4.1	124
46	MAVERICK EXAMPLES OF COSET CONFORMAL FIELD THEORIES. <i>Modern Physics Letters A</i> , 1993, 08, 2803-2814.	1.2	18
47	CHARACTERS FOR COSET CONFORMAL FIELD THEORIES AND MAVERICK EXAMPLES. <i>International Journal of Modern Physics A</i> , 1993, 08, 4103-4121.	1.5	18
48	A mapping between Feynman and string motivated one-loop rules in gauge theories. <i>Nuclear Physics B</i> , 1992, 379, 562-601.	2.5	120
49	Non-diagonal modular invariants and extensions of Kac-Moody algebras. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 248, 317-322.	4.1	0
50	Open superstrings in four dimensions. <i>Physical Review Letters</i> , 1990, 64, 827-830.	7.8	15
51	Bosonisation of four dimensional real fermionic string models and asymmetric orbifolds. <i>Nuclear Physics B</i> , 1990, 330, 124-150.	2.5	9
52	Yukawa couplings in four-dimensional fermionic string models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 219, 76-82.	4.1	11
53	Type I superstrings in dimensions less than ten (I): Model construction. <i>Nuclear Physics B</i> , 1989, 319, 72-103.	2.5	14
54	Four-dimensional heterotic string models with rank $\frac{1}{2}26$ observable gauge group. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 212, 23-27.	4.1	9

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55	Coupling of open to closed bosonic strings in four dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 203, 109-117.	4.1	18
56	TOROIDAL COMPACTIFICATION OF OPEN AND CLOSED BOSONIC STRINGS. Modern Physics Letters A, 1988, 03, 571-579.	1.2	3