

Matthias R Gaberdiel

List of Publications by Year in descending order

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151
papers

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all docs

151
docs citations

151
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	Free field world-sheet correlators for AdS3. Journal of High Energy Physics, 2021, 2021, 1.	4.7	32
2	Stress-energy tensor correlators from the world-sheet. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
3	From symmetric product CFTs to AdS3. Journal of High Energy Physics, 2021, 2021, 1.	4.7	19
4	Deformed Shatashvili-Vafa algebra for superstrings on AdS3 \tilde{A}_{37} . Journal of High Energy Physics, 2021, 2021, 1.	4.7	1
5	String Dual to Free $\mathcal{N}=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters. 2021, 127, 131601.	7.8	23
6	The physical states of the Hybrid Formalism. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
7	The worldsheet dual of free super Yang-Mills in 4D. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
8	D-branes in AdS3 \tilde{A}_{37} at $k = 1$ and their holographic duals. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
9	Deriving the AdS3/CFT2 correspondence. Journal of High Energy Physics, 2020, 2020, 1.	4.7	99
10	Stringy CFT duals with $\mathcal{N} = (2, 2)$ supersymmetry. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
11	The small $\mathcal{N}=4$ superconformal \mathcal{W}_{∞} algebra. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 395401.	2.1	5
12	Strings on AdS3 \tilde{A}_{37} \tilde{A}_{37} \tilde{A}_{37} S^1 . Journal of High Energy Physics, 2019, 2019, 1.	4.7	22
13	String theory on AdS3 and the symmetric orbifold of Liouville theory. Nuclear Physics B, 2019, 948, 114774.	2.5	36
14	The worldsheet dual of the symmetric product CFT. Journal of High Energy Physics, 2019, 2019, 1.	4.7	123
15	Three-point functions in AdS3/CFT2 holography. Journal of High Energy Physics, 2019, 2019, 1.	4.7	25
16	Higher spin algebras and large $\mathcal{N} = 4$ holography. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
17	Twin-plane-partitions and $\mathcal{N} = 2$ affine Yangian. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
18	Tensionless string spectra on AdS3. Journal of High Energy Physics, 2018, 2018, 1.	4.7	94

#	ARTICLE	IF	CITATIONS
19	The plane-wave limit of AdS ₃ –S ³ –S ³ –S ¹ . Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
20	String Theory and Spacetime Geometry. Einstein Studies, 2018, , 475-490.	0.4	0
21	The supersymmetric affine Yangian. Journal of High Energy Physics, 2018, 2018, 1.	4.7	25
22	Stringy N = 2 holography for AdS ₃ . Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
23	A holographic dual for string theory on AdS ₃ –S ³ –S ³ –S ¹ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	57
24	BPS spectrum on AdS ₃ –S ³ –S ³ –S ¹ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	46
25	Higher spins and Yangian symmetries. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
26	Mathieu Moonshine and symmetry surfing. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 474002.	2.1	5
27	Stringy AdS ₃ from the worldsheet. Journal of High Energy Physics, 2017, 2017, 1.	4.7	44
28	Higher spins on AdS ₃ from the worldsheet. Journal of High Energy Physics, 2017, 2017, 1.	4.7	44
29	String theory as a higher spin theory. Journal of High Energy Physics, 2016, 2016, 1.	4.7	51
30	The symmetric orbifold of N = 2 minimal models. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
31	Twisted sectors from plane partitions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	11
32	Cosets of meromorphic CFTs and modular differential equations. Journal of High Energy Physics, 2016, 2016, 1-13.	4.7	12
33	Higher spins in the symmetric orbifold of K ₃ . Physical Review D, 2015, 92, .	4.7	8
34	Higgsing the stringy higher spin symmetry. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
35	Stringy symmetries and the higher spin square. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 185402.	2.1	38
36	The so-Kazama-Suzuki models at large level. Journal of High Energy Physics, 2015, 2015, 1.	4.7	7

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37	Higher spins & strings. Journal of High Energy Physics, 2014, 2014, 1.	4.7	133
38	A K3 sigma model with \mathbb{Z}_2^8 : \mathbb{M}_{20} symmetry. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
39	The spectrum of light states in large N minimal models. Journal of High Energy Physics, 2014, 2014, 1.	4.7	10
40	The symmetry of large $\mathcal{N} = 4$ holography. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
41	The large $\mathcal{N} = 4$ superconformal \mathcal{W} algebra. Journal of High Energy Physics, 2014, 2014, 1.	4.7	34
42	The continuous orbifold of $\mathcal{N} = 2$ minimal model holography. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
43	Logarithmic Bulk and Boundary Conformal Field Theory and the Full Centre Construction. Mathematical Lectures From Peking University, 2014, , 93-168.	0.4	5
44	Mathieu Moonshine and Orbifold K3s. Contributions in Mathematical and Computational Sciences, 2014, , 109-141.	0.3	15
45	$\mathcal{N}=1$ extension of minimal model holography. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
46	Duality in $\mathcal{N}=2$ minimal model holography. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
47	Even spin minimal model holography. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
48	Supersymmetric holography on AdS3. Journal of High Energy Physics, 2013, 2013, 1.	4.7	40
49	Large $\mathcal{N} = 4$ holography. Journal of High Energy Physics, 2013, 2013, 1.	4.7	96
50	Probing higher spin black holes from CFT. Journal of High Energy Physics, 2013, 2013, 1.	4.7	27
51	Perturbations of \mathcal{W} algebras CFTs. Journal of High Energy Physics, 2013, 2013, 1.	4.7	27
52	Higher-spin theory and holography. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 210301.	2.1	1
53	Minimal model holography. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 214002.	2.1	97
54	Generalized Mathieu Moonshine. Communications in Number Theory and Physics, 2013, 7, 145-223.	1.0	44

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55	Higher spin black holes from CFT. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
56	Triality in minimal model holography. Journal of High Energy Physics, 2012, 2012, 1.	4.7	142
57	Gravity dual of the Ising model. Physical Review D, 2012, 85, .	4.7	40
58	Limits of minimal models and continuous orbifolds. Journal of High Energy Physics, 2012, 2012, 1.	4.7	32
59	Symmetries of K3 sigma models. Communications in Number Theory and Physics, 2012, 6, 1-50.	1.0	70
60	A modular invariant bulk theory for the oldsymbol{c=0} triplet model. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 015204.	2.1	31
61	An AdS_3 dual for minimal model CFTs. Physical Review D, 2011, 83, .	4.7	200
62	Quantum \mathcal{W} -symmetry in AdS3. Journal of High Energy Physics, 2011, 2011, 1.	4.7	96
63	Symmetries of holographic minimal models. Journal of High Energy Physics, 2011, 2011, 1.	4.7	183
64	Borcherds algebras and $\mathcal{N} = 4$ topological amplitudes. Journal of High Energy Physics, 2011, 2011, 1.	4.7	7
65	Partition functions of holographic minimal models. Journal of High Energy Physics, 2011, 2011, 1.	4.7	113
66	Minimal model holography for SO(2N). Journal of High Energy Physics, 2011, 2011, 1.	4.7	58
67	The massless string spectrum on AdS3 \times S3 from the supergroup. Journal of High Energy Physics, 2011, 2011, 1.	4.7	14
68	Manifestly supersymmetric RG flows. Journal of High Energy Physics, 2010, 2010, 1.	4.7	5
69	The heat kernel on AdS3 and its applications. Journal of High Energy Physics, 2010, 2010, 1.	4.7	99
70	Mathieu twining characters for K3. Journal of High Energy Physics, 2010, 2010, 1.	4.7	77
71	Mathieu Moonshine in the elliptic genus of K3. Journal of High Energy Physics, 2010, 2010, 1.	4.7	71
72	Graviton 1-loop partition function for 3-dimensional massive gravity. Journal of High Energy Physics, 2010, 2010, 1.	4.7	48

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73	Genus two partition functions of chiral conformal field theories. Communications in Number Theory and Physics, 2010, 4, 295-363.	1.0	24
74	Conformal perturbation theory beyond the leading order. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 105402.	2.1	25
75	Obstructions and lines of marginal stability from the world-sheet. Journal of High Energy Physics, 2009, 2009, 007-007.	4.7	5
76	Higher genus partition functions of meromorphic conformal field theories. Journal of High Energy Physics, 2009, 2009, 048-048.	4.7	8
77	Bulk-induced boundary perturbations for $\mathcal{N}=1$ superconformal field theories on the circle. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 115209.	2.1	1
78	Modular differential equations for torus one-point functions. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 045405.	2.1	3
79	Bulk flows in Virasoro minimal models with boundaries. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 495403.	2.1	13
80	Fusion rules and boundary conditions in the $c=0$ triplet model. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 325403.	2.1	33
81	From boundary to bulk in logarithmic CFT. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 075402.	2.1	65
82	Modular differential equations and null vectors. Journal of High Energy Physics, 2008, 2008, 079-079.	4.7	39
83	D-branes at multicritical points. Journal of High Energy Physics, 2008, 2008, 086-086.	4.7	3
84	Extremal $\mathcal{N}=(2,2)$ 2D conformal field theories and constraints of modularity. Communications in Number Theory and Physics, 2008, 2, 743-801.	1.0	31
85	Topological defects for the free boson CFT. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11403-11440.	2.1	62
86	D-brane superpotentials and RG flows on the quintic. Journal of High Energy Physics, 2007, 2007, 061-061.	4.7	32
87	Bulk-induced boundary perturbations. Journal of Physics A: Mathematical and Theoretical, 2007, 40, F17-F31.	2.1	29
88	Bulk perturbations of $\mathcal{N}=2$ branes. Journal of High Energy Physics, 2007, 2007, 087-087.	4.7	4
89	Twisted brane charges for non-simply connected groups. Journal of High Energy Physics, 2007, 2007, 035-035.	4.7	3
90	Worldsheet correlators in AdS ₃ /CFT ₂ . Journal of High Energy Physics, 2007, 2007, 050-050.	4.7	66

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91	Constraints on extremal self-dual CFTs. <i>Journal of High Energy Physics</i> , 2007, 2007, 087-087.	4.7	13
92	Symmetries of perturbed conformal field theories. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 13685-13709.	2.1	11
93	The RR charges of the A-type Gepner models. <i>Journal of High Energy Physics</i> , 2006, 2006, 111-111.	4.7	19
94	Matrix factorisations and D-branes on K3. <i>Journal of High Energy Physics</i> , 2006, 2006, 015-015.	4.7	17
95	The logarithmic triplet theory with boundary. <i>Journal of Physics A</i> , 2006, 39, 14745-14779.	1.6	45
96	Logarithmic torus amplitudes. <i>Journal of Physics A</i> , 2006, 39, 1955-1967.	1.6	40
97	Generalised N=2 permutation branes. <i>Journal of High Energy Physics</i> , 2006, 2006, 041-041.	4.7	18
98	The matrix factorizations of the D-model. <i>Journal of Physics A</i> , 2005, 38, 7901-7919.	1.6	17
99	Matrix factorisations and permutation branes. <i>Journal of High Energy Physics</i> , 2005, 2005, 012-012.	4.7	52
100	Matrix model eigenvalue integrals and twist fields in the $su(2)$ -WZW model. <i>Journal of High Energy Physics</i> , 2005, 2005, 107-107.	4.7	7
101	Charges of twisted branes: the exceptional cases. <i>Journal of High Energy Physics</i> , 2005, 2005, 058-058.	4.7	7
102	Remarks on the rolling tachyon BCFT. <i>Journal of High Energy Physics</i> , 2005, 2005, 051-051.	4.7	9
103	D-brane charges on non-simply connected groups. <i>Journal of High Energy Physics</i> , 2004, 2004, 030-030.	4.7	21
104	The D-branes of $SU(n)$. <i>Journal of High Energy Physics</i> , 2004, 2004, 015-015.	4.7	15
105	The coset D-branes of $SU(n)$. <i>Journal of High Energy Physics</i> , 2004, 2004, 047-047.	4.7	16
106	The charges of a twisted brane. <i>Journal of High Energy Physics</i> , 2004, 2004, 018-018.	4.7	19
107	Loop Operators and the Kondo Problem. <i>Journal of High Energy Physics</i> , 2004, 2004, 065-065.	4.7	65
108	World-sheet duality for D-branes with travelling waves. <i>Journal of High Energy Physics</i> , 2004, 2004, 015-015.	4.7	16

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109	Generalised discrete torsion and mirror symmetry for G2manifolds. Journal of High Energy Physics, 2004, 2004, 001-001.	4.7	22
110	N=2 superconformal boundary states for free bosons and fermions. Nuclear Physics B, 2004, 693, 281-301.	2.5	12
111	Monstrous Branes. Communications in Mathematical Physics, 2003, 234, 229-251.	2.2	15
112	Rationality, Quasirationality and Finite W-Algebras. Communications in Mathematical Physics, 2003, 238, 305-331.	2.2	52
113	The D-instanton and other supersymmetric D-branes in IIB plane-wave string theory. Annals of Physics, 2003, 307, 147-194.	2.8	38
114	D-branes in an asymmetric orbifold. Nuclear Physics B, 2003, 654, 177-196.	2.5	25
115	AN ALGEBRAIC APPROACH TO LOGARITHMIC CONFORMAL FIELD THEORY. International Journal of Modern Physics A, 2003, 18, 4593-4638.	1.5	160
116	D-brane interactions in type IIB plane-wave background. Journal of High Energy Physics, 2003, 2003, 002-002.	4.7	61
117	Oblique and curved D-branes in IIB plane-wave string theory. Journal of High Energy Physics, 2003, 2003, 052-052.	4.7	20
118	Boundary states for WZW models. Nuclear Physics B, 2002, 639, 471-501.	2.5	48
119	A class of Lorentzian Kac-Moody algebras. Nuclear Physics B, 2002, 645, 403-437.	2.5	71
120	D-branes from conformal field theory. Fortschritte Der Physik, 2002, 50, 783-801.	4.4	9
121	Fusion rules and logarithmic representations of a WZW model at fractional level. Nuclear Physics B, 2001, 618, 407-436.	2.5	84
122	Discrete torsion orbifolds and D-branes II. Journal of High Energy Physics, 2001, 2001, 013-013.	4.7	14
123	Conformal boundary states for free bosons and fermions. Journal of High Energy Physics, 2001, 2001, 016-016.	4.7	66
124	Consistency of orbifolds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 379-385.	4.1	3
125	Axiomatic Conformal Field Theory. Communications in Mathematical Physics, 2000, 209, 549-594.	2.2	48
126	An introduction to conformal field theory. Reports on Progress in Physics, 2000, 63, 607-667.	20.1	62

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127	The type I D-instanton and its M-theory origin. Journal of High Energy Physics, 2000, 2000, 004-004.	4.7	4
128	Discrete torsion orbifolds and D-branes. Journal of High Energy Physics, 2000, 2000, 026-026.	4.7	29
129	Non-BPS Dirichlet branes. Classical and Quantum Gravity, 2000, 17, 961-969.	4.0	10
130	Lectures on non-BPS Dirichlet branes. Classical and Quantum Gravity, 2000, 17, 3483-3520.	4.0	72
131	Asymmetric orientifolds, brane supersymmetry breaking and non-BPS branes. Nuclear Physics B, 2000, 589, 545-576.	2.5	34
132	Dirichlet branes on orbifolds. Nuclear Physics B, 2000, 578, 58-84.	2.5	42
133	Dualities of type 0 strings. Journal of High Energy Physics, 1999, 1999, 022-022.	4.7	77
134	Non-BPS states in heterotic-type IIA duality. Journal of High Energy Physics, 1999, 1999, 013-013.	4.7	40
135	Non-supersymmetric D-brane configurations with Bose-Fermi degenerate open string spectrum. Journal of High Energy Physics, 1999, 1999, 008-008.	4.7	35
136	A local logarithmic conformal field theory. Nuclear Physics B, 1999, 538, 631-658.	2.5	145
137	Stable non-BPS D-particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 441, 133-140.	4.1	110
138	String creation and heterotic-type IIA duality. Nuclear Physics B, 1998, 524, 524-544.	2.5	39
139	The no-ghost theorem for AdS3 and the stringy exclusion principle. Nuclear Physics B, 1998, 535, 152-170.	2.5	72
140	An $SL(2, \mathbb{Z})$ anomaly in IIB supergravity and its F-theory interpretation. Journal of High Energy Physics, 1998, 1998, 026-026.	4.7	19
141	Fusion of Twisted Representations. International Journal of Modern Physics A, 1997, 12, 5183-5207.	1.5	25
142	Tensor constructions of open string theories (I) foundations. Nuclear Physics B, 1997, 505, 569-624.	2.5	127
143	A non-supersymmetric open-string theory and S-duality. Nuclear Physics B, 1997, 499, 183-204.	2.5	111
144	WZW models of general simple groups. Nuclear Physics B, 1996, 460, 181-202.	2.5	6

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145	Abelian duality in WZW models. Nuclear Physics B, 1996, 471, 217-232.	2.5	11
146	Scattering states of plektons (particles with braid group statistics) in 2+1 dimensional quantum field theory. Communications in Mathematical Physics, 1996, 175, 319-335.	2.2	20
147	A rational logarithmic conformal field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 386, 131-137.	4.1	187
148	An explicit construction of the quantum group in chiral WZW-models. Communications in Mathematical Physics, 1995, 173, 357-377.	2.2	7
149	FUSION IN CONFORMAL FIELD THEORY AS THE TENSOR PRODUCT OF THE SYMMETRY ALGEBRA. International Journal of Modern Physics A, 1994, 09, 4619-4636.	1.5	31
150	A general transformation formula for conformal fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 325, 366-370.	4.1	20
151	Fusion rules of chiral algebras. Nuclear Physics B, 1994, 417, 130-150.	2.5	22