Thomas Creutzig

List of Publications by Year
in descending order

88 papers	1,765 citations	257450 24 h-index	345221 36 g-index
89 all docs	89 docs citations	89 times ranked	232 citing authors

#	ARTICLE	IF	CITATIONS
1	Higher spin AdS3 supergravity and its dual CFT. Journal of High Energy Physics, 2012, 2012, 1.	4.7	91
2	Logarithmic conformal field theory: beyond an introduction. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 494006.	2.1	80
3	Modular data and Verlinde formulae for fractional level WZW models II. Nuclear Physics B, 2013, 875, 423-458.	2.5	65
4	Modular data and Verlinde formulae for fractional level WZW models I. Nuclear Physics B, 2012, 865, 83-114.	2.5	61
5	False theta functions and the Verlinde formula. Advances in Mathematics, 2014, 262, 520-545.	1.1	52
6	W-algebras as coset vertex algebras. Inventiones Mathematicae, 2019, 218, 145-195.	2.5	52
7	Extended higher spin holography and Grassmannian models. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
8	Coset Constructions of Logarithmic (1, p) Models. Letters in Mathematical Physics, 2014, 104, 553-583.	1.1	48
9	Relating the archetypes of logarithmic conformal field theory. Nuclear Physics B, 2013, 872, 348-391.	2.5	45
10	Higher spin AdS3 holography with extended supersymmetry. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
11	SCHUR–WEYL DUALITY FOR HEISENBERG COSETS. Transformation Groups, 2019, 24, 301-354.	0.7	42
12	Branes in the WZNW model. Nuclear Physics B, 2008, 792, 257-283.	2.5	36
13	Braided Tensor Categories of Admissible Modules for Affine Lie Algebras. Communications in Mathematical Physics, 2018, 362, 827-854.	2.2	36
14	$ \mathcal{N}=1 $ supersymmetric higher spin holography on AdS3. Journal of High Energy Physics, 2013, 2013, 1.	4.7	35
15	Cosets of affine vertex algebras inside larger structures. Journal of Algebra, 2019, 517, 396-438.	0.7	35
16	Orbifolds and Cosets of Minimal $${\mathcal{W}}$$-Algebras. Communications in Mathematical Physics, 2017, 355, 339-372.	2.2	31
17	Boundary spectra in superspace Ïƒ-models. Journal of High Energy Physics, 2008, 2008, 024-024.	4.7	30
18	Logarithmic W-algebras and Argyres-Douglas theories at higher rank. Journal of High Energy Physics, 2018, 2018, 1.	4.7	30

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19	Higher rank partial and false theta functions and representation theory. Advances in Mathematics, 2017, 314, 203-227.	1.1	29
20	W-algebras for Argyres–Douglas theories. European Journal of Mathematics, 2017, 3, 659-690.	0.5	29
21	The -symplectic fermion correspondence. Nuclear Physics B, 2009, 815, 95-124.	2.5	28
22	Logarithmic conformal field theory, log-modular tensor categories and modular forms. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 404004.	2.1	28
23	Simple current extensions beyond semi-simplicity. Communications in Contemporary Mathematics, 2020, 22, 1950001.	1.2	28
24	A quasi-Hopf algebra for the triplet vertex operator algebra. Communications in Contemporary Mathematics, 2020, 22, 1950024.	1.2	26
25	Three point functions in higher spin AdS3 supergravity. Journal of High Energy Physics, 2013, 2013, 1.	4.7	24
26	Higgs and Coulomb branches from vertex operator algebras. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
27	Vertex Algebras for S-duality. Communications in Mathematical Physics, 2020, 379, 785-845.	2.2	24
28	Duality of subregular $\mathcal{W}$-algebras and principal $\mathcal{W}$-superalgebras. Advances in Mathematics, 2021, 383, 107685.	1.1	23
29	Negative index Jacobi forms and quantum modular forms. Research in Mathematical Sciences, 2014, 1, 1.	1.0	22
30	Orbifolds of symplectic fermion algebras. Transactions of the American Mathematical Society, 2016, 369, 467-494.	0.9	22
31	Logarithmic link invariants of $U_{\bar{q}}^H(sl2)$ and asymptotic dimensions of singlet vertex algebras. Journal of Pure and Applied Algebra, 2018, 222, 3224-3247.	0.6	22
32	Fusion categories for affine vertex algebras at admissible levels. Selecta Mathematica, New Series, 2019, 25, 1.	1.0	21
33	Boundary correlators in supergroup WZNW models. Nuclear Physics B, 2009, 807, 471-494.	2.5	20
34	The super $\mathcal{W}_{1+\infty}$ algebra with integral central charge. Transactions of the American Mathematical Society, 2015, 367, 5521-5551.	0.9	20
35	Geometry of branes on supergroups. Nuclear Physics B, 2009, 812, 301-321.	2.5	19
36	Rectangular W-algebras, extended higher spin gravity and dual coset CFTs. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19

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37	Cosets of Bershadskyâ€"Polyakov algebras and rational $${\mathcal W}$$ W -algebras of type A. Selecta Mathematica, New Series, 2017, 23, 2369-2395.	1.0	18
38	Cosets, characters and fusion for admissible-level osp(1|2) minimal models. Nuclear Physics B, 2019, 938, 22-55.	2.5	18
39	Braided Tensor Categories Related to $${\mathcal {B}}_{p}$$ Vertex Algebras. Communications in Mathematical Physics, 2020, 378, 219-260.	2.2	18
40	S-duality for the Large NÂ=Â4 Superconformal Algebra. Communications in Mathematical Physics, 2020, 374, 1787-1808.	2.2	18
41	Representation theory of $L_k(\mathfrak {osp}(1 \vert 2))$ from vertex tensor categories and Jacobi forms. Proceedings of the American Mathematical Society, 2018, 146, 4571-4589.	0.8	17
42	Tensor categories of affine Lie algebras beyond admissible levels. Mathematische Annalen, 2021, 380, 1991-2040.	1.4	17
43	The Vertex Algebras $$\mathcal {R}^{(p)}$$ and $$\mathcal {V}^{({(p)})}$$. Communications in Mathematical Physics, 2021, 383, 1207-1241.	2.2	16
44	Tensor categories arising from the Virasoro algebra. Advances in Mathematics, 2021, 380, 107601.	1.1	16
45	Gluing vertex algebras. Advances in Mathematics, 2022, 396, 108174.	1.1	16
46	Cohomological reduction of sigma models. Journal of High Energy Physics, 2010, 2010, 1.	4.7	15
47	The mock modular data of a family of superalgebras. Proceedings of the American Mathematical Society, 2014, 142, 2265-2280.	0.8	15
48	Modularity of logarithmic parafermion vertex algebras. Letters in Mathematical Physics, 2018, 108, 2543-2587.	1.1	15
49	Rectangular W algebras and superalgebras and their representations. Physical Review D, 2019, 100, .	4.7	14
50	Mathieu moonshine and the geometry of K3 surfaces. Communications in Number Theory and Physics, 2014, 8, 295-328.	1.0	14
51	Supergroup â€" extended super Liouville correspondence. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13
52	On Ribbon Categories for Singlet Vertex Algebras. Communications in Mathematical Physics, 2021, 387, 865-925.	2.2	13
53	New boundary conditions for thec=â^'2ghost system. Physical Review D, 2008, 77, .	4.7	12
54	Branes in the WZNW model. Nuclear Physics B, 2011, 842, 172-224.	2.5	12

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55	Higgs phenomenon for higher spin fields on AdS3. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
56	Unitary and non-unitary N = 2 minimal models. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
57	From world-sheet supersymmetry to super target spaces. Journal of High Energy Physics, 2010, 2010, 1.	4.7	10
58	Self-dual vertex operator superalgebras and superconformal field theory. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 034001.	2.1	10
59	Direct limit completions of vertex tensor categories. Communications in Contemporary Mathematics, 2022, 24, .	1.2	10
60	Correspondences between WZNW models and CFTs with W-algebra symmetry. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
61	Vertical D4â€"D2â€"D0 Bound States on K3 Fibrations and Modularity. Communications in Mathematical Physics, 2017, 350, 1069-1121.	2.2	8
62	<i>N</i> = 4 Superconformal Algebras and Diagonal Cosets. International Mathematics Research Notices, 2022, 2022, 2180-2223.	1.0	8
63	Tensor Structure on the Kazhdanâ€"Lusztig Category for Affine ??(1|1). International Mathematics Research Notices, 2022, 2022, 12462-12515.	1.0	8
64	A Commutant Realization of ?n(2) at Critical Level. International Mathematics Research Notices, 2014, 2014, 577-609.	1.0	7
65	Unitary W-algebras and three-dimensional higher spin gravities with spin one symmetry. Journal of High Energy Physics, 2014, 2014, 1.	4.7	7
66	On Regularised Quantum Dimensions of the Singlet Vertex Operator Algebra and False Theta Functions. International Mathematics Research Notices, 0, , rnw037.	1.0	7
67	Correspondences among CFTs with different W-algebra symmetry. Nuclear Physics B, 2020, 957, 115104.	2.5	7
68	Rectangular W-algebras of types so(M) and sp(2M) and dual coset CFTs. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
69	Correlator correspondences for Gaiotto-RapÄÃ¡k dualities and first order formulation of coset models. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
70	The FZZ duality with boundary. Journal of High Energy Physics, 2011, 2011, 1.	4.7	6
71	N=2superconformal symmetry in super coset models. Physical Review D, 2009, 80, .	4.7	5
72	Uprolling unrolled quantum groups. Communications in Contemporary Mathematics, 2022, 24, .	1.2	5

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73	Urod algebras and Translation of W-algebras. Forum of Mathematics, Sigma, 2022, 10, .	0.7	5
74	Yangian in the twistor string. Journal of High Energy Physics, 2010, 2010, 1.	4.7	4
75	The McKayâ€"Thompson series of Mathieu Moonshine modulo two. Ramanujan Journal, 2014, 34, 319-328.	0.7	4
76	Higher rank FZZ-dualities. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
77	W-Algebras Extending $$\widehat{\mathfrak{g}\mathfrak{l}}(1\vert 1)$$. , 2013, , 349-367.		4
78	Correspondences of Categories for Subregular $${{\mathcal {W}}}$$-Algebras and Principal $${\mathcal {W}}$$-Superalgebras. Communications in Mathematical Physics, 2022, 393, 1-60.	2.2	4
79	Yangian superalgebras in conformal field theory. Nuclear Physics B, 2011, 849, 636-653.	2.5	3
80	Fermionic coset, critical level $ \mathcal{W}_4^{{(2)}} $ -algebra and higher spins. Journal of High Energy Physics, 2012, 2012, 1.	4.7	2
81	A commutant realization of Odakeâ€™s algebra. Transformation Groups, 2013, 18, 615-637.	0.7	2
82	INVARIANT SUBALGEBRAS OF THE SMALL ? = 4 SUPERCONFORMAL ALGEBRA. Transformation Groups, 2022, 27, 797-832.	0.7	2
83	Harmonic Analysis and Free Field Realization of the Takiff Supergroup of GL(1|1). Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	2
84	Correlator correspondences for subregular $$ \mathcal{W} $$-algebras and principal $$ \mathcal{W} $$-superalgebras. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
85	Generalized parafermions of orthogonal type. Journal of Algebra, 2022, 593, 178-192.	0.7	2
86	Hilbert schemes of nonreduced divisors in Calabiâ€"Yau threefolds and W-algebras. European Journal of Mathematics, 2021, 7, 807.	0.5	1
87	HIGHER SPIN AdS3 SUPERGRAVITY AND ITS CFT DUAL. International Journal of Modern Physics Conference Series, 2013, 21, 163-164.	0.7	0
88	FZZ-triality and large $\mathcal{N}=4$ super Liouville theory. Nuclear Physics B, 2022, 977, 115734.	2.5	0