

Peter Bouwknecht

List of Publications by Year in descending order

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59
papers

2,143
citations

331538

21
h-index

223716

46
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62
all docs

62
docs citations

62
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	W symmetry in conformal field theory. <i>Physics Reports</i> , 1993, 223, 183-276.	10.3	458
2	T-Duality: Topology Change from H-Flux. <i>Communications in Mathematical Physics</i> , 2004, 249, 383-415.	1.0	171
3	Twisted K-Theory and K-Theory of Bundle Gerbes. <i>Communications in Mathematical Physics</i> , 2002, 228, 17-49.	1.0	146
4	Quantum group structure in the Fock space resolutions of $\widehat{\mathfrak{sl}}(n)$ representations. <i>Communications in Mathematical Physics</i> , 1990, 131, 125-155.	1.0	102
5	D-branes, B-fields and twisted K-theory. <i>Journal of High Energy Physics</i> , 2000, 2000, 007-007.	1.6	99
6	BRST analysis of physical states for 2D gravity coupled to $\mathfrak{u}(1)$ matter. <i>Communications in Mathematical Physics</i> , 1992, 145, 541-560.	1.0	89
7	Nonassociative Tori and Applications to T-Duality. <i>Communications in Mathematical Physics</i> , 2006, 264, 41-69.	1.0	87
8	Spinon bases, Yangian symmetry and fermionic representations of Virasoro characters in conformal field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 338, 448-456.	1.5	72
9	Topology and H-Flux of T-Dual Manifolds. <i>Physical Review Letters</i> , 2004, 92, 181601.	2.9	72
10	Extended conformal algebras. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 207, 295-299.	1.5	65
11	Free Field Approach to 2-Dimensional Conformal Field Theories. <i>Progress of Theoretical Physics Supplement</i> , 1990, 102, 67-135.	0.2	60
12	Exclusion statistics in conformal field theory $\hat{\mathfrak{u}}(1)$ Generalized fermions and spinons for level-1 WZW theories. <i>Nuclear Physics B</i> , 1999, 547, 501-537.	0.9	54
13	Realizations of the exceptional modular invariant $A(1)_1$ partition functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 184, 359-362.	1.5	52
14	Free field realizations of WZNW models. The BRST complex and its quantum group structure. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 234, 297-303.	1.5	52
15	The WZW models Spinon decomposition and yangian structure. <i>Nuclear Physics B</i> , 1996, 482, 345-372.	0.9	45
16	Spinon basis for higher level $SU(2)$ WZW models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 359, 304-312.	1.5	44
17	T-duality for principal torus bundles. <i>Journal of High Energy Physics</i> , 2004, 2004, 018-018.	1.6	43
18	T-duality for principal torus bundles and dimensionally reduced Gysin sequences. <i>Advances in Theoretical and Mathematical Physics</i> , 2005, 9, 749-773.	0.4	35

#	ARTICLE	IF	CITATIONS
19	Critical dimensions of the N=1 and N=2 spinning string derived from Fujikawa's approach. <i>Classical and Quantum Gravity</i> , 1986, 3, 207-219.	1.5	34
20	D-branes on group manifolds and fusion rings. <i>Journal of High Energy Physics</i> , 2002, 2002, 065-065.	1.6	33
21	The Deformed Virasoro Algebra at Roots of Unity. <i>Communications in Mathematical Physics</i> , 1998, 196, 249-288.	1.0	21
22	On the construction of modular invariant partition functions. <i>Nuclear Physics B</i> , 1987, 290, 507-526.	0.9	19
23	Fock space resolutions of the Virasoro highest weight modules with $\hat{c} \leq 1$. <i>Letters in Mathematical Physics</i> , 1991, 23, 193-204.	0.5	18
24	Ground ring for the two-dimensional NSR string. <i>Nuclear Physics B</i> , 1992, 377, 541-570.	0.9	18
25	Extended Sugawara construction for the superalgebras $SU(M+1 N+1)$. I. Free-field representation and bosonization of super Kac-Moody currents. <i>Physical Review D</i> , 1989, 39, 2971-2986.	1.6	16
26	Lie algebra automorphisms, the Weyl group, and tables of shift vectors. <i>Journal of Mathematical Physics</i> , 1989, 30, 571-584.	0.5	16
27	On the free field resolutions for coset conformal field theories. <i>Nuclear Physics B</i> , 1991, 352, 139-162.	0.9	15
28	Fusing the coordinates of quantum superspace. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 394, 82-86.	1.5	15
29	Non-Abelian Quantum Hall States – Exclusion Statistics, K-Matrices, and Duality. <i>Journal of Statistical Physics</i> , 2001, 102, 421-469.	0.5	14
30	AKSZ CONSTRUCTION OF TOPOLOGICAL OPEN p-BRANE ACTION AND NAMBU BRACKETS. <i>Reviews in Mathematical Physics</i> , 2013, 25, 1330004.	0.7	14
31	Extended Sugawara construction for the superalgebras $SU(M+1 N+1)$. II. The third-order Casimir algebra. <i>Physical Review D</i> , 1989, 40, 415-421.	1.6	13
32	Semi-infinite cohomology of W -algebras. <i>Letters in Mathematical Physics</i> , 1993, 29, 91-102.	0.5	13
33	K-matrices for non-Abelian quantum Hall states. <i>Physical Review B</i> , 2000, 61, 10298-10302.	1.1	13
34	PRESENTATIONS OF WESS – ZUMINO – WITTEN FUSION RINGS. <i>Reviews in Mathematical Physics</i> , 2006, 18, 201-232.	0.7	13
35	Non-Abelian Electrons: $SO(5)$ Superspin Regimes for Correlated Electrons on a Two-Leg Ladder. <i>Physical Review Letters</i> , 1999, 82, 2757-2760.	2.9	12
36	Flux compactifications on projective spaces and the SSS -duality puzzle. <i>Advances in Theoretical and Mathematical Physics</i> , 2006, 10, 345-394.	0.4	10

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37	Semi-infinite cohomology in conformal field theory and 2D gravity. Journal of Geometry and Physics, 1993, 11, 225-249.	0.7	8
38	Topological T-duality and T-folds. Advances in Theoretical and Mathematical Physics, 2009, 13, 1519-1539.	0.4	8
39	Exclusion statistics in conformal field theory and the UCPF for WZW models. Nuclear Physics B, 2000, 572, 547-573.	0.9	7
40	Multipartitions, generalized Durfee squares and affine Lie algebra characters. Journal of the Australian Mathematical Society, 2002, 72, 395-408.	0.3	7
41	BRST Analysis of Physical States for 2D (Super) Gravity Coupled to (Super) Conformal Matter. NATO ASI Series Series B: Physics, 1992, , 413-422.	0.2	7
42	A Note on the Equality of Algebraic and Geometric D-Brane Charges in WZW Models. Journal of High Energy Physics, 2004, 2004, 029-029.	1.6	6
43	Spherical T-duality II: An infinity of spherical T-duals for non-principal SU(2)-bundles. Journal of Geometry and Physics, 2015, 92, 46-54.	0.7	6
44	Hidden isometry of $\hat{so}(2,1)$ -T-duality without isometry. Journal of High Energy Physics, 2017, 2017, 1.	1.6	6
45	K-matrices for 2D conformal field theories. Nuclear Physics B, 2003, 660, 473-531.	0.9	5
46	Spherical T-Duality. Communications in Mathematical Physics, 2015, 337, 909-954.	1.0	5
47	q -Identities and Affinized Projective Varieties II. Flag Varieties. Communications in Mathematical Physics, 2000, 210, 663-684.	1.0	4
48	T-duality as a duality of loop group bundles. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 162001.	0.7	4
49	On a normal ordering ambiguity in the twisted WZW model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 238, 224-230.	1.5	3
50	q -Identities and Affinized Projective Varieties I. Quadratic Monomial Ideals. Communications in Mathematical Physics, 2000, 210, 641-661.	1.0	3
51	Bundle gerbes and moduli spaces. Journal of Geometry and Physics, 2012, 62, 1-10.	0.7	3
52	On the W-Gravity Spectrum and Its G-Structure. NATO ASI Series Series B: Physics, 1995, , 59-70.	0.2	3
53	KAC-MOODY ALGEBRAS IN 2D CONFORMAL FIELD THEORIES. , 1989, , 115-126.		2
54	Spherical T-duality and the spherical Fourier-Mukai transform. Journal of Geometry and Physics, 2018, 133, 303-314.	0.7	1

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55	The BV-algebra structure of W_3 cohomology. , 1995, , 283-291.		1
56	BV Structure of the Cohomology of Nilpotent Subalgebras and the Geometry of(W) Strings. Letters in Mathematical Physics, 1997, 40, 17-30.	0.5	0
57	Geometry, Quantum Fields, and Strings: Categorical Aspects. Oberwolfach Reports, 2010, 7, 1485-1533.	0.0	0
58	Recent Advances in the Study of the Equivariant Brauer Group. , 2013, , .		0
59	Free Field Approach to 2-Dimensional Conformal Field Theories. Progress of Theoretical Physics Supplement, 2013, 102, 67-135.	0.2	0