Valentin Bonzom

List of Publications by Year
in descending order

35 papers	1,320 citations	377584 21 h-index	406436 35 g-index
35 all docs	35 docs citations	35 times ranked	245 citing authors

#	Article	IF	Citations
1	Double scaling limit for the O(N)³-invariant tensor model. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 135201.	0.7	3
2	Blobbed topological recursion for the quartic melonic tensor model. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 325201.	0.7	2
3	Diagrammatics of a colored SYK model and of an SYK-like tensor model, leading and next-to-leading orders. Journal of Mathematical Physics, 2017, 58, .	0.5	64
4	Counting Gluings of Octahedra. Electronic Journal of Combinatorics, 2017, 24, .	0.2	7
5	Duality Between Spin Networks and the 2D Ising Model. Communications in Mathematical Physics, 2016, 344, 531-579.	1.0	16
6	3D holography: from discretum to continuum. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
7	Enhancing non-melonic triangulations: A tensor model mixing melonic and planar maps. Nuclear Physics B, 2015, 895, 161-191.	0.9	32
8	Tensor models from the viewpoint of matrix models: the cases of loop models on random surfaces and of the Gaussian distribution. Annales De L'Institut Henri Poincare (D) Combinatorics, Physics and Their Interactions, 2015, 2, 1-47.	0.6	6
9	Towards the Turaev-Viro amplitudes from a Hamiltonian constraint. Physical Review D, 2014, 90, .	1.6	29
10	The double scaling limit of random tensor models. Journal of High Energy Physics, 2014, 2014, 1.	1.6	41
11	New 1/N expansions in random tensor models. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
12	Revisiting random tensor models at large N via the Schwinger-Dyson equations. Journal of High Energy Physics, 2013, 2013, 1.	1.6	23
13	Multi-critical tensor models and hard dimers on spherical random lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 501-506.	0.9	19
14	Generating functions for coherent intertwiners. Classical and Quantum Gravity, 2013, 30, 055018.	1.5	21
15	Bubble divergences and gauge symmetries in spin foams. Physical Review D, 2013, 88, .	1.6	22
16	Dirac's discrete hypersurface deformation algebras. Classical and Quantum Gravity, 2013, 30, 205013.	1.5	23
17	Universality in<i>p</i>-spin glasses with correlated disorder. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, L02003.	0.9	16
18	Gauge Symmetries in Spin-Foam Gravity: The Case for "Cellular Quantization". Physical Review Letters, 2012, 108, 241303.	2.9	17

#	Article	IF	Citations
19	Random tensor models in the large N limit: Uncoloring the colored tensor models. Physical Review D, 2012, 85, .	1.6	155
20	Coupling of hard dimers to dynamical lattices via random tensors. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P09009.	0.9	14
21	A new Hamiltonian for the topological BF phase with spinor networks. Journal of Mathematical Physics, 2012, 53, .	0.5	24
22	A New Recursion Relation for the 6j-Symbol. Annales Henri Poincare, 2012, 13, 1083-1099.	0.8	5
23	Bubble Divergences from Twisted Cohomology. Communications in Mathematical Physics, 2012, 312, 399-426.	1.0	36
24	The Ising model on random lattices in arbitrary dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 88-96.	1.5	40
25	Bubble Divergences: Sorting out Topology from Cell Structure. Annales Henri Poincare, 2012, 13, 185-208.	0.8	46
26	Lessons from Toy-Models for the Dynamics of Loop Quantum Gravity. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2012, , .	0.5	7
27	Spin foam models and the Wheeler-DeWitt equation for the quantum 4-simplex. Physical Review D, 2011, 84, .	1.6	25
28	Critical behavior of colored tensor models in the large N limit. Nuclear Physics B, 2011, 853, 174-195.	0.9	231
29	Radiative Corrections in the Boulatov-Ooguri Tensor Model: The 2-Point Function. International Journal of Theoretical Physics, 2011, 50, 2819-2841.	0.5	81
30	The Hamiltonian constraint in 3d Riemannian loop quantum gravity. Classical and Quantum Gravity, 2011, 28, 195006.	1.5	44
31	Bubble Divergences from Cellular Cohomology. Letters in Mathematical Physics, 2010, 93, 295-305.	0.5	64
32	Recurrence relations for spin foam vertices. Classical and Quantum Gravity, 2010, 27, 125002.	1.5	30
33	From lattice BF gauge theory to area–angle Regge calculus. Classical and Quantum Gravity, 2009, 26, 155020.	1.5	35
34	Spin foam models for quantum gravity from lattice path integrals. Physical Review D, 2009, 80, .	1.6	64
35	Towards the graviton from spinfoams: The complete perturbative expansion of the 3d toy model. Nuclear Physics B, 2008, 804, 507-526.	0.9	25