

Valentin Bonzom

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,320
citations

331538

21
h-index

360920

35
g-index

35
all docs

35
docs citations

35
times ranked

228
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical behavior of colored tensor models in the large N limit. Nuclear Physics B, 2011, 853, 174-195.	0.9	231
2	Random tensor models in the large N limit: Uncoloring the colored tensor models. Physical Review D, 2012, 85, .	1.6	155
3	Radiative Corrections in the Boulatov-Ooguri Tensor Model: The 2-Point Function. International Journal of Theoretical Physics, 2011, 50, 2819-2841.	0.5	81
4	Spin foam models for quantum gravity from lattice path integrals. Physical Review D, 2009, 80, .	1.6	64
5	Bubble Divergences from Cellular Cohomology. Letters in Mathematical Physics, 2010, 93, 295-305.	0.5	64
6	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
7	Bubble Divergences: Sorting out Topology from Cell Structure. Annales Henri Poincare, 2012, 13, 185-208.	0.8	46
8	The Hamiltonian constraint in 3d Riemannian loop quantum gravity. Classical and Quantum Gravity, 2011, 28, 195006.	1.5	44
9	The double scaling limit of random tensor models. Journal of High Energy Physics, 2014, 2014, 1.	1.6	41
10	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
11	Bubble Divergences from Twisted Cohomology. Communications in Mathematical Physics, 2012, 312, 399-426.	1.0	36
12	From lattice BF gauge theory to area-angle Regge calculus. Classical and Quantum Gravity, 2009, 26, 155020.	1.5	35
13	Enhancing non-melonic triangulations: A tensor model mixing melonic and planar maps. Nuclear Physics B, 2015, 895, 161-191.	0.9	32
14	Recurrence relations for spin foam vertices. Classical and Quantum Gravity, 2010, 27, 125002.	1.5	30
15	Towards the Turaev-Viro amplitudes from a Hamiltonian constraint. Physical Review D, 2014, 90, .	1.6	29
16	New $1/N$ expansions in random tensor models. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
17	Towards the graviton from spinfoams: The complete perturbative expansion of the 3d toy model. Nuclear Physics B, 2008, 804, 507-526.	0.9	25
18	Spin foam models and the Wheeler-DeWitt equation for the quantum 4-simplex. Physical Review D, 2011, 84, .	1.6	25

#	ARTICLE	IF	CITATIONS
19	3D holography: from discretum to continuum. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
20	A new Hamiltonian for the topological BF phase with spinor networks. Journal of Mathematical Physics, 2012, 53, .	0.5	24
21	Revisiting random tensor models at large N via the Schwinger-Dyson equations. Journal of High Energy Physics, 2013, 2013, 1.	1.6	23
22	Dirac's discrete hypersurface deformation algebras. Classical and Quantum Gravity, 2013, 30, 205013.	1.5	23
23	Bubble divergences and gauge symmetries in spin foams. Physical Review D, 2013, 88, .	1.6	22
24	Generating functions for coherent intertwiners. Classical and Quantum Gravity, 2013, 30, 055018.	1.5	21
25	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
26	Gauge Symmetries in Spin-Foam Gravity: The Case for "Cellular Quantization". Physical Review Letters, 2012, 108, 241303.	2.9	17
27	Universality in p -spin glasses with correlated disorder. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, L02003.	0.9	16
28	Duality Between Spin Networks and the 2D Ising Model. Communications in Mathematical Physics, 2016, 344, 531-579.	1.0	16
29	Coupling of hard dimers to dynamical lattices via random tensors. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P09009.	0.9	14
30	Counting Gluings of Octahedra. Electronic Journal of Combinatorics, 2017, 24, .	0.2	7
31	Lessons from Toy-Models for the Dynamics of Loop Quantum Gravity. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2012, , .	0.5	7
32	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
33	A New Recursion Relation for the $6j$ -Symbol. Annales Henri Poincare, 2012, 13, 1083-1099.	0.8	5
34	Double scaling limit for the $O(N)^3$ -invariant tensor model. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 135201.	0.7	3
35	Blobbed topological recursion for the quartic melonic tensor model. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 325201.	0.7	2