

â€ªRÄzvan GurÄu

List of Publications by Year in descending order

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55
papers

2,627
citations

218677

26
h-index

189892

50
g-index

56
all docs

56
docs citations

56
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical behavior of colored tensor models in the large N limit. Nuclear Physics B, 2011, 853, 174-195.	2.5	231
2	Colored Group Field Theory. Communications in Mathematical Physics, 2011, 304, 69-93.	2.2	215
3	The 1/N Expansion of Colored Tensor Models. Annales Henri Poincare, 2011, 12, 829-847.	1.7	180
4	The Complete 1/N Expansion of Colored Tensor Models in Arbitrary Dimension. Annales Henri Poincare, 2012, 13, 399-423.	1.7	176
5	Random tensor models in the large N limit: Uncoloring the colored tensor models. Vanishing of beta function of non-commutative	4.7	155
6	Vanishing of beta function of non-commutative	4.1	131
7	Colored Tensor Models - a Review. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2012, , .	0.5	131
8	The complete 1/N expansion of a SYK-like tensor model. Nuclear Physics B, 2017, 916, 386-401.	2.5	118
9	Lost in translation: topological singularities in group field theory. Classical and Quantum Gravity, 2010, 27, 235023.	4.0	94
10	Renormalization of Non-Commutative Φ^4 Field Theory in x Space. Communications in Mathematical Physics, 2006, 267, 515-542.	2.2	82
11	Group field theory renormalization in the 3D case: Power counting of divergences. Physical Review D, 2009, 80, .	4.7	79
12	A generalization of the Virasoro algebra to arbitrary dimensions. Nuclear Physics B, 2011, 852, 592-614.	2.5	69
13	Melons are Branched Polymers. Annales Henri Poincare, 2014, 15, 2085-2131.	1.7	62
14	The 1/N Expansion of Tensor Models Beyond Perturbation Theory. Communications in Mathematical Physics, 2014, 330, 973-1019.	2.2	59
15	Topological Graph Polynomials in Colored Group Field Theory. Annales Henri Poincare, 2010, 11, 565-584.	1.7	52
16	Phase transition in dually weighted colored tensor models. Nuclear Physics B, 2012, 855, 420-437.	2.5	50
17	Double scaling in tensor models with a quartic interaction. Journal of High Energy Physics, 2013, 2013, 1.	4.7	43
18	Parametric Representation of Noncommutative Field Theory. Communications in Mathematical Physics, 2007, 272, 811-835.	2.2	41

#	ARTICLE	IF	CITATIONS
19	The double scaling limit of random tensor models. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	41
20	The Schwinger Dyson equations and the algebra of constraints of random tensor models at all orders. <i>Nuclear Physics B</i> , 2012, 865, 133-147.	2.5	40
21	The Ising model on random lattices in arbitrary dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 711, 88-96.	4.1	40
22	Universality for random tensors. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2014, 50, .	1.1	37
23	Quenched equals annealed at leading order in the colored SYK model. <i>Europhysics Letters</i> , 2017, 119, 30003.	2.0	33
24	2PI effective action for the SYK model and tensor field theories. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	31
25	Tensorial Gross-Neveu models. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	27
26	Regular colored graphs of positive degree. <i>Annales De L'Institut Henri Poincare (D) Combinatorics, Physics and Their Interactions</i> , 2016, 3, 257-320.	1.1	27
27	Line of fixed points in a bosonic tensor model. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	26
28	Double scaling limit in arbitrary dimensions: A toy model. <i>Physical Review D</i> , 2011, 84, .	4.7	23
29	Propagators for Noncommutative Field Theories. <i>Annales Henri Poincare</i> , 2006, 7, 1601-1628.	1.7	21
30	The Ponzano-Regge Asymptotic of the 6j Symbol: An Elementary Proof. <i>Annales Henri Poincare</i> , 2008, 9, 1413-1424.	1.7	21
31	The Multiscale Loop Vertex Expansion. <i>Annales Henri Poincare</i> , 2015, 16, 1869-1897.	1.7	20
32	Phase transition in tensor models. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	19
33	The $1/\hat{N}$ Expansion of the Symmetric Traceless and the Antisymmetric Tensor Models in Rank Three. <i>Communications in Mathematical Physics</i> , 2019, 371, 55-97.	2.2	19
34	The $1/N$ Expansion of Tensor Models with Two Symmetric Tensors. <i>Communications in Mathematical Physics</i> , 2018, 360, 985-1007.	2.2	18
35	Wilsonian renormalization of noncommutative scalar field theory. <i>Journal of High Energy Physics</i> , 2009, 2009, 064-064.	4.7	16
36	Universality in $\langle i \rangle p \langle i \rangle$ -spin glasses with correlated disorder. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, L02003.	2.3	16

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37	The double scaling limit of the multi-orientable tensor model. <i>Europhysics Letters</i> , 2015, 111, 21002.	2.0	15
38	Long-range multi-scalar models at three loops. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 445008.	2.1	15
39	Non-Commutative Complete Mellin Representation for Feynman Amplitudes. <i>Letters in Mathematical Physics</i> , 2007, 81, 161-175.	1.1	14
40	Universality and Borel summability of arbitrary quartic tensor models. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2016, 52, .	1.1	14
41	Dimensional Regularization and Renormalization of Non-Commutative Quantum Field Theory. <i>Annales Henri Poincare</i> , 2008, 9, 655-683.	1.7	13
42	Vanishing $\hat{\Gamma}^2$ -function for Grosseâ€™Wulkenhaar model in a magnetic field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 671, 284-290.	4.1	13
43	Tree Quantum Field Theory. <i>Annales Henri Poincare</i> , 2009, 10, 867-891.	1.7	12
44	Analyticity results for the cumulants in a random matrix model. <i>Annales De L'Institut Henri Poincare (D) Combinatorics, Physics and Their Interactions</i> , 2015, 2, 169-228.	1.1	12
45	Symmetry breaking in tensor models. <i>Physical Review D</i> , 2015, 92, .	4.7	11
46	Hints of unitarity at large N in the $O(N)^3$ tensor field theory. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	10
47	Conformal symmetry and composite operators in the $O(N)^3$ tensor field theory. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	10
48	Trifundamental quartic model. <i>Physical Review D</i> , 2021, 103, .	4.7	9
49	Noncommutative field theory on rank one symmetric spaces. <i>Journal of Noncommutative Geometry</i> , 2009, 3, 99-123.	0.5	7
50	The $\{\imath\}$ epsilon prescription in the SYK model. <i>Journal of Physics Communications</i> , 2018, 2, 015003.	1.2	7
51	The F-theorem in the melonic limit. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	5
52	Reply to comment on â€˜Lost in translation: topological singularities in group field theoryâ€™. <i>Classical and Quantum Gravity</i> , 2011, 28, 178002.	4.0	4
53	A diagrammatic equation for oriented planar graphs. <i>Nuclear Physics B</i> , 2010, 839, 580-603.	2.5	3
54	Weighting bubbles in group field theory. <i>Physical Review D</i> , 2014, 90, .	4.7	2

#	ARTICLE	IF	CITATIONS
55	Asymptotes in SU(2) Recoupling Theory: Wigner Matrices, 3j Symbols, and Character Localization. Annales Henri Poincare, 2011, 12, 77-118.	1.7	1