Tilo Wettig

List of Publications by Year
in descending order

27	474	840776	713466
papers	citations	11	21
		h-index	g-index
27	27	27	306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Itzykson–Zuber–like integral and diffusion for complex ordinary and supermatrices. Journal of Mathematical Physics, 1996, 37, 6395-6413.	1.1	67
2	Complete random matrix classification of SYK models with N $$ mathcal{N} $$ = 0, 1 and 2 supersymmetry. Journal of High Energy Physics, 2017, 2017, 1.	4.7	57
3	Overlap Dirac Operator at Nonzero Chemical Potential and Random Matrix Theory. Physical Review Letters, 2006, 97, 012003.	7.8	46
4	Singular values of the Dirac operator in dense QCD-like theories. Journal of High Energy Physics, 2011, 2011, 1.	4.7	45
5	Chiral Lagrangian and spectral sum rules for dense two-color QCD. Journal of High Energy Physics, 2009, 2009, 003-003.	4.7	37
6	Modelling cancer progression using Mutual Hazard Networks. Bioinformatics, 2020, 36, 241-249.	4.1	22
7	Chiral random matrix theory for two-color QCD at high density. Physical Review D, 2010, 81, .	4.7	21
8	Subset method for one-dimensional QCD. Journal of High Energy Physics, 2013, 2013, 1.	4.7	21
9	Lattice QCD with Domain Decomposition on Intel&#x00AE; Xeon Phi Co-Processors. , 2014, , .		19
10	Stressed Cooper pairing in QCD at high isospin density: effective Lagrangian and random matrix theory. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
11	Scale-Invariant Biomarker Discovery in Urine and Plasma Metabolite Fingerprints. Journal of Proteome Research, 2017, 16, 3596-3605.	3.7	15
12	The epsilon expansion at next-to-next-to-leading order with small imaginary chemical potential. Journal of High Energy Physics, 2010, 2010, 1.	4.7	13
13	New universality classes of the non-Hermitian Dirac operator in QCD-like theories. Physical Review D, 2021, 104, .	4.7	11
14	Execution–Cache–Memory modeling and performance tuning of sparse matrix–vector multiplication and Lattice quantum chromodynamics on A64FX. Concurrency Computation Practice and Experience, 2022, 34, e6512.	2.2	11
15	Polyakov loops and spectral properties of the staggered Dirac operator. Physical Review D, 2008, 78, .	4.7	10
16	Banks-Casher-type relation for the BCS gap at high density. European Physical Journal A, 2013, 49, 1.	2.5	10
17	Geometry dependence of RMT-based methods to extract the low-energy constants Σ and F. Journal of High Energy Physics, 2011, 2011, 1.	4.7	9
18	Partially quenched chiral perturbation theory in the epsilon regime at next-to-leading order. Journal of High Energy Physics, 2009, 2009, 005-005.	4.7	8

#	Article	IF	Citations
19	Bosonic color-flavor transformation for the special unitary group. Journal of Mathematical Physics, 2005, 46, 072306.	1.1	7
20	The QCD sign problem and dynamical simulations of random matrices. Journal of High Energy Physics, 2011, 2011, 1.	4.7	5
21	Loss-Function Learning for Digital Tissue Deconvolution. Journal of Computational Biology, 2020, 27, 342-355.	1.6	5
22	Approximation formula for complex spacing ratios in the Ginibre ensemble. Physical Review E, 2022, 105, 044144.	2.1	5
23	DTD: An R Package for Digital Tissue Deconvolution. Journal of Computational Biology, 2020, 27, 386-389.	1.6	4
24	TOPOLOGICAL SUSCEPTIBILITY AT FINITE TEMPERATURE IN A RANDOM MATRIX MODEL. Modern Physics Letters A, 2008, 23, 2465-2468.	1.2	3
25	Induced QCD I: theory. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
26	Chiral condensate and Dirac spectrum of one-and two-flavor QCD at nonzero Î¸-angle. EPJ Web of Conferences, 2018, 175, 04004.	0.3	3
27	Induced QCD II: numerical results. Journal of High Energy Physics, 2019, 2019, 1.	4.7	2