

Gernot Akemann

List of Publications by Year in descending order

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62
papers

1,585
citations

304743

22
h-index

315739

38
g-index

62
all docs

62
docs citations

62
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	Universality of random matrices in the microscopic limit and the Dirac operator spectrum. Nuclear Physics B, 1997, 487, 721-738.	2.5	159
2	Products of rectangular random matrices: Singular values and progressive scattering. Physical Review E, 2013, 88, 052118.	2.1	125
3	Unquenched QCD Dirac operator spectra at nonzero baryon chemical potential. Nuclear Physics B, 2005, 712, 287-324.	2.5	78
4	Singular value correlation functions for products of Wishart random matrices. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 275205.	2.1	75
5	Recent Exact and Asymptotic Results for Products of Independent Random Matrices. Acta Physica Polonica B, 2015, 46, 1747.	0.8	68
6	Characteristic polynomials of complex random matrix models. Nuclear Physics B, 2003, 660, 532-556.	2.5	66
7	Universal microscopic correlation functions for products of independent Ginibre matrices. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 465201.	2.1	61
8	Universal Signature from Integrability to Chaos in Dissipative Open Quantum Systems. Physical Review Letters, 2019, 123, 254101.	7.8	56
9	MATRIX MODELS AND QCD WITH CHEMICAL POTENTIAL. International Journal of Modern Physics A, 2007, 22, 1077-1122.	1.5	53
10	Spectrum of the Wilson Dirac operator at finite lattice spacings. Physical Review D, 2011, 83, .	4.7	43
11	The complex Laguerre symplectic ensemble of non-Hermitian matrices. Nuclear Physics B, 2005, 730, 253-299.	2.5	42
12	On the supersymmetric partition function in QCD-inspired random matrix models. JETP Letters, 2003, 77, 438-441.	1.4	41
13	Consistency conditions for finite-volume partition functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 432, 390-396.	4.1	39
14	Equivalence of QCD in the $\bar{\mu}$ -regime and chiral random matrix theory with or without chemical potential. Journal of High Energy Physics, 2007, 2007, 043-043.	4.7	39
15	Compact support probability distributions in random matrix theory. Physical Review E, 1999, 59, 1489-1497.	2.1	37
16	A new chiral two-matrix theory for Dirac spectra with imaginary chemical potential. Nuclear Physics B, 2007, 766, 34-67.	2.5	37
17	Distributions of Dirac operator eigenvalues. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 199-206.	4.1	34
18	Gap probabilities in non-Hermitian random matrix theory. Journal of Mathematical Physics, 2009, 50, .	1.1	29

#	ARTICLE	IF	CITATIONS
19	Hole Probabilities and Overcrowding Estimates for Products of Complex Gaussian Matrices. Journal of Statistical Physics, 2013, 151, 987-1003.	1.2	28
20	Universal microscopic correlation functions for products of truncated unitary matrices. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 255202.	2.1	28
21	Microscopic correlations for non-Hermitian Dirac operators in three-dimensional QCD. Physical Review D, 2001, 64, .	4.7	27
22	Microscopic Correlation Functions for the QCD Dirac Operator with Chemical Potential. Physical Review Letters, 2002, 89, 072002.	7.8	26
23	Random matrix theory for the Hermitian Wilson Dirac operator and the chGUE-GUE transition. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
24	Universal distribution of Lyapunov exponents for products of Ginibre matrices. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 395202.	2.1	21
25	Random matrix theory of unquenched two-colour QCD with nonzero chemical potential. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
26	The chiral Gaussian two-matrix ensemble of real asymmetric matrices. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 085211.	2.1	19
27	Universality at Weak and Strong Non-Hermiticity Beyond the Elliptic Ginibre Ensemble. Communications in Mathematical Physics, 2018, 362, 1111-1141.	2.2	19
28	From integrable to chaotic systems: Universal local statistics of Lyapunov exponents. Europhysics Letters, 2019, 126, 40001.	2.0	19
29	Massive partition functions and complex eigenvalue correlations in matrix models with symplectic symmetry. Nuclear Physics B, 2007, 766, 150-177.	2.5	16
30	Hard edge limit of the product of two strongly coupled random matrices. Nonlinearity, 2016, 29, 3743-3776.	1.4	16
31	Dropping the Independence: Singular Values for Products of Two Coupled Random Matrices. Communications in Mathematical Physics, 2016, 345, 101-140.	2.2	16
32	Unquenched Complex Dirac Spectra at Nonzero Chemical Potential: Two-Color QCD Lattice Data versus Matrix Model. Physical Review Letters, 2006, 96, 222002.	7.8	15
33	Permanent processes from products of complex and quaternionic induced Ginibre ensembles. Random Matrices: Theory and Application, 2014, 03, 1450014.	1.1	15
34	The High Temperature Crossover for General 2D Coulomb Gases. Journal of Statistical Physics, 2019, 175, 1043-1065.	1.2	15
35	Macroscopic and microscopic (non-)universality of compact support random matrix theory. Nuclear Physics B, 2000, 583, 739-757.	2.5	14
36	Finite size scaling of meson propagators with isospin chemical potential. Journal of High Energy Physics, 2008, 2008, 069-069.	4.7	14

#	ARTICLE	IF	CITATIONS
37	Interpolation between Airy and Poisson statistics for unitary chiral non-Hermitian random matrix ensembles. Journal of Mathematical Physics, 2010, 51, 103524.	1.1	13
38	Microscopic universality of complex matrix model correlation functions at weak non-Hermiticity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 547, 100-108.	4.1	12
39	Universality of local spectral statistics of products of random matrices. Physical Review E, 2020, 102, 052134.	2.1	12
40	Individual eigenvalue distributions of chiral random two-matrix theory and the determination of $\langle F \rangle$. Journal of High Energy Physics, 2008, 2008, 073-073.	4.7	11
41	Skew-orthogonal Laguerre polynomials for chiral real asymmetric random matrices. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 375207.	2.1	11
42	Title is missing!. Acta Physica Polonica B, 2011, 42, 901.	0.8	10
43	A Non-Hermitian Generalisation of the Marchenko-Pastur Distribution: From the Circular Law to Multi-criticality. Annales Henri Poincare, 2021, 22, 1035-1068.	1.7	10
44	Individual eigenvalue distributions for the Wilson Dirac operator. Journal of High Energy Physics, 2012, 2012, 1.	4.7	9
45	The Interpolating Airy Kernels for the $\beta = 1$ and $\beta = 4$ Elliptic Ginibre Ensembles. Journal of Statistical Physics, 2014, 155, 421-465.	1.2	8
46	Families of two-dimensional Coulomb gases on an ellipse: correlation functions and universality. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 075201.	2.1	7
47	Random matrix theory and quantum chromodynamics. , 2017, , 228-282.		7
48	Skew-Orthogonal Polynomials in the Complex Plane and Their Bergman-Like Kernels. Communications in Mathematical Physics, 0, , 1.	2.2	7
49	The smallest eigenvalue distribution in the real Wishart-Laguerre ensemble with even topology. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 245202.	2.1	5
50	Products of random matrices from fixed trace and induced Ginibre ensembles. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 184002.	2.1	5
51	Averages of Products and Ratios of Characteristic Polynomials in Polynomial Ensembles. Annales Henri Poincare, 2020, 21, 3973-4002.	1.7	5
52	Product Matrix Processes for Coupled Multi-Matrix Models and Their Hard Edge Scaling Limits. Annales Henri Poincare, 2018, 19, 2599-2649.	1.7	4
53	On the determinantal structure of conditional overlaps for the complex Ginibre ensemble. Random Matrices: Theory and Application, 2020, 09, 2050015.	1.1	4
54	Finite rank perturbations in products of coupled random matrices: From one correlated to two Wishart ensembles. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2019, 55, .	1.1	3

#	ARTICLE	IF	CITATIONS
55	Universal eigenvector correlations in quaternionic Ginibre ensembles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 145201.	2.1	2
56	Territorial behaviour of buzzards versus random matrix spacing distributions. <i>Journal of Theoretical Biology</i> , 2021, 509, 110475.	1.7	2
57	Gegenbauer and Other Planar Orthogonal Polynomials on an Ellipse in the Complex Plane. <i>Constructive Approximation</i> , 2021, 53, 441-478.	3.0	2
58	Exploring the Aoki regime. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	1
59	Preserving topology while breaking chirality: from chiral orthogonal to anti-symmetric Hermitian ensemble. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 023102.	2.3	1
60	Consecutive level spacings in the chiral Gaussian unitary ensemble: From the hard and soft edge to the bulk. <i>Journal of Physics A: Mathematical and Theoretical</i> , 0, , .	2.1	1
61	Universal microscopic spectrum of the unquenched QCD Dirac operator at finite temperature. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	1
62	Characteristic polynomials of products of non-Hermitian Wigner matrices: finite-N results and Lyapunov universality. <i>Electronic Communications in Probability</i> , 2021, 26, .	0.4	0