Joshua Feinberg

List of Publications by Year
in descending order

Version: 2024-02-01

36 papers	859 citations	687363 13 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	420 citing authors

#	Article	IF	Citations
1	Non-hermitian random matrix theory: Method of hermitian reduction. Nuclear Physics B, 1997, 504, 579-608.	2.5	177
2	Non-Hermitian localization and delocalization. Physical Review E, 1999, 59, 6433-6443.	2.1	118
3	Non-gaussian non-hermitian random matrix theory: Phase transition and addition formalism. Nuclear Physics B, 1997, 501, 643-669.	2.5	98
4	Self-isospectral periodic potentials and supersymmetric quantum mechanics. Physical Review D, 1998, 57, 1271-1276.	4.7	90
5	All about the static fermion bags in the Grossâ€“Neveu model. Annals of Physics, 2004, 309, 166-231.	2.8	65
6	Renormalizing rectangles and other topics in random matrix theory. Journal of Statistical Physics, 1997, 87, 473-504.	1.2	32
7	â€œSingle ring theoremâ€•and the disk-annulus phase transition. Journal of Mathematical Physics, 2001, 42, 5718-5740.	1.1	32
8	Kinks and bound states in the Gross-Neveu model. Physical Review D, 1995, 51, 4503-4511.	4.7	30
9	Chaotic systems in complex phase space. Pramana - Journal of Physics, 2009, 73, 453-470.	1.8	29
10	Probabilistic interpretation of resonant states. Pramana - Journal of Physics, 2009, 73, 553-564.	1.8	22
11	Non-Hermitian random matrix theory: summation of planar diagrams, the â€˜single-ringâ€™ theorem and the discâ€“annulus phase transition. Journal of Physics A, 2006, 39, 10029-10056.	1.6	21
12	Marginally stable topologically non-trivial solitons in the Grossâ€“Neveu model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 569, 204-210.	4.1	15
13	Stable fermion bag solitons in the massive Gross-Neveu model: Inverse scattering analysis. Physical Review D, 2005, 72, .	4.7	14
14	Chebyshev-polynomial expansion of the localization length of Hermitian and non-Hermitian random chains. Physical Review E, 2016, 94, 063305.	2.1	13
15	Probabilistic analysis of a differential equation for linear programming. Journal of Complexity, 2003, 19, 474-510.	1.3	11
16	Effective Non-Hermitian Hamiltonians for Studying Resonance Statistics in Open Disordered Systems. International Journal of Theoretical Physics, 2011, 50, 1116-1125.	1.2	10
17	Statistical properties of eigenvalues of the non-Hermitian Su-Schrieffer-Heeger model with random hopping terms. Physical Review E, 2020, 102, 012101.	2.1	10
18	SPONTANEOUS BREAKING OF SCALE INVARIANCE AND SUPERSYMMETRIC MODELS AT FINITE TEMPERATURE. International Journal of Modern Physics A, 2005, 20, 4475-4483.	1.5	9

#	Article	IF	Citations
19	Random matrix theory for the analysis of the performance of an analog computer: a scaling theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 323, 204-209.	2.1	8
20	Quantized normal matrices: some exact results and collective field formulation. Nuclear Physics B, 2005, 705, 403-436.	2.5	7
21	Bicoherent-state path integral quantization of a non-hermitian hamiltonian. Annals of Physics, 2020, 422, 168313.	2.8	7
22	Statistics of resonances in one-dimensional continuous systems. Pramana - Journal of Physics, 2009, 73, 565-572.	1.8	6
23	Dynamics of disordered mechanical systems with large connectivity, free probability theory, and quasi-Hermitian random matrices. Annals of Physics, 2021, 435, 168456.	2.8	6
24	Pseudo-hermitian random matrix theory: a review. Journal of Physics: Conference Series, 2021, 2038, 012009.	0.4	5
25	Dynamical Generation of Solitons in a 1 + 1 Dimensional Chiral Field Theory: Non-Perturbative Dirac Operator Resolvent Analysis. International Journal of Modern Physics A, 1997, 12, 1133-1142.	1.5	4
26	Enhanced avionic sensing based on Wignerâ€™s cusp anomalies. Science Advances, 2021, 7, .	10.3	4
27	Linear and nonlinear hydromagnetic stability in laminar and turbulent flows. Physical Review E, 2021, 103, 043104.	2.1	3
28	Which metrics are consistent with a given pseudo-hermitian matrix?. Journal of Mathematical Physics, 2022, 63, 013505.	1.1	3
29	On the universality of the probability distribution of the productBÂ1Xof random matrices. Journal of Physics A, 2004, 37, 6823-6835.	1.6	2
30	Classical limit of the Casimir entropy for scalar massless field. Physica A: Statistical Mechanics and Its Applications, 2007, 384, 335-345.	2.6	2
31	Reynolds number dependence of Lyapunov exponents of turbulence and fluid particles. Physical Review E, 2021, 103, 033110.	2.1	2
32	Pseudo-hermitian random matrix models: General formalism. Nuclear Physics B, 2022, 975, 115678.	2.5	2
33	Scaling and universality of the complexity of analog computation. Chaos, 2006, 16, 023108.	2.5	1
34	GENERALIZED SUPERSYMMETRIC QUANTUM MECHANICS AND REFLECTIONLESS FERMION BAGS IN 1+1 DIMENSIONS. , 2002, , 626-652.		1
35	A universal scaling theory for complexity of analog computation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 271-274.	2.1	0
36	THE COMPLETE CLASSIFICATION OF STABLE STATIC SOLITONS IN THE GROSS-NEVEU MODEL. , 2006, , .		0