Joshua Feinberg

List of Publications by Year
in descending order

36 papers	**859** citations	687363 **13** h-index
36 all docs	**36** docs citations	**36** times ranked

454955 **30** g-index

420 citing authors

#	Article	IF	Citations
1	Which metrics are consistent with a given pseudo-hermitian matrix?. Journal of Mathematical Physics, 2022, 63, 013505.	1.1	3
2	Pseudo-hermitian random matrix models: General formalism. Nuclear Physics B, 2022, 975, 115678.	2.5	2
3	Reynolds number dependence of Lyapunov exponents of turbulence and fluid particles. Physical Review E, 2021, 103, 033110.	2.1	2
4	Linear and nonlinear hydromagnetic stability in laminar and turbulent flows. Physical Review E, 2021, 103, 043104.	2.1	3
5	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
6	Enhanced avionic sensing based on Wigner's cusp anomalies. Science Advances, 2021, 7, .	10.3	4
7	Pseudo-hermitian random matrix theory: a review. Journal of Physics: Conference Series, 2021, 2038, 012009.	0.4	5
8	Bicoherent-state path integral quantization of a non-hermitian hamiltonian. Annals of Physics, 2020, 422, 168313.	2.8	7
9	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
10	Chebyshev-polynomial expansion of the localization length of Hermitian and non-Hermitian random chains. Physical Review E, 2016, 94, 063305.	2.1	13
11	Effective Non-Hermitian Hamiltonians for Studying Resonance Statistics in Open Disordered Systems. International Journal of Theoretical Physics, 2011, 50, 1116-1125.	1.2	10
12	Chaotic systems in complex phase space. Pramana - Journal of Physics, 2009, 73, 453-470.	1.8	29
13	Probabilistic interpretation of resonant states. Pramana - Journal of Physics, 2009, 73, 553-564.	1.8	22
14	Statistics of resonances in one-dimensional continuous systems. Pramana - Journal of Physics, 2009, 73, 565-572.	1.8	6
15	Classical limit of the Casimir entropy for scalar massless field. Physica A: Statistical Mechanics and Its Applications, 2007, 384, 335-345.	2.6	2
16	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
17	Non-Hermitian random matrix theory: summation of planar diagrams, the 'single-ring' theorem and the disc–annulus phase transition. Journal of Physics A, 2006, 39, 10029-10056.	1.6	21
18	Scaling and universality of the complexity of analog computation. Chaos, 2006, 16, 023108.	2.5	1

#	Article	IF	Citations
19	THE COMPLETE CLASSIFICATION OF STABLE STATIC SOLITONS IN THE GROSS-NEVEU MODEL. , 2006, , .		0
20	SPONTANEOUS BREAKING OF SCALE INVARIANCE AND SUPERSYMMETRIC MODELS AT FINITE TEMPERATURE. International Journal of Modern Physics A, 2005, 20, 4475-4483.	1.5	9
21	Stable fermion bag solitons in the massive Gross-Neveu model: Inverse scattering analysis. Physical Review D, 2005, 72, .	4.7	14
22	Quantized normal matrices: some exact results and collective field formulation. Nuclear Physics B, 2005, 705, 403-436.	2.5	7
23	On the universality of the probability distribution of the product $B^{-1}X$ of random matrices. Journal of Physics A, 2004, 37, 6823-6835.	1.6	2
24	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
25	All about the static fermion bags in the Grossâ€"Neveu model. Annals of Physics, 2004, 309, 166-231.	2.8	65
26	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
27	Probabilistic analysis of a differential equation for linear programming. Journal of Complexity, 2003, 19, 474-510.	1.3	11
28	GENERALIZED SUPERSYMMETRIC QUANTUM MECHANICS AND REFLECTIONLESS FERMION BAGS IN 1+1 DIMENSIONS. , 2002, , 626-652.		1
29	â€œSingle ring theoremâ€•and the disk-annulus phase transition. Journal of Mathematical Physics, 2001, 42, 5718-5740.	1.1	32
30	Non-Hermitian localization and delocalization. Physical Review E, 1999, 59, 6433-6443.	2.1	118
31	Self-isospectral periodic potentials and supersymmetric quantum mechanics. Physical Review D, 1998, 57, 1271-1276.	4.7	90
32	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
33	Non-gaussian non-hermitian random matrix theory: Phase transition and addition formalism. Nuclear Physics B, 1997, 501, 643-669.	2.5	98
34	Non-hermitian random matrix theory: Method of hermitian reduction. Nuclear Physics B, 1997, 504, 579-608.	2.5	177
35	Renormalizing rectangles and other topics in random matrix theory. Journal of Statistical Physics, 1997, 87, 473-504.	1.2	32
36	Kinks and bound states in the Gross-Neveu model. Physical Review D, 1995, 51, 4503-4511.	4.7	30