

Giovanni Gallavotti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1837755/publications.pdf>

Version: 2024-02-01

50
papers

2,149
citations

279798

23
h-index

276875

41
g-index

52
all docs

52
docs citations

52
times ranked

723
citing authors

#	ARTICLE	IF	CITATIONS
1	Viscosity, Reversibility, Chaotic Hypothesis, Fluctuation Theorem and Lyapunov Pairing. Journal of Statistical Physics, 2021, 185, 1.	1.2	2
2	Nonequilibrium and Fluctuation Relation. Journal of Statistical Physics, 2020, 180, 172-226.	1.2	12
3	Ensembles, turbulence and fluctuation theorem. European Physical Journal E, 2020, 43, 37.	1.6	5
4	Introduction to the Special Issue in Honor of Joel Lebowitz. Journal of Statistical Physics, 2020, 180, 1-3.	1.2	1
5	Reversible Viscosity and Navier-Stokes Fluids. Springer Proceedings in Mathematics and Statistics, 2019, , 569-580.	0.2	0
6	Finite thermostats in classical and quantum nonequilibrium. European Physical Journal: Special Topics, 2018, 227, 217-229.	2.6	5
7	Equivalence of nonequilibrium ensembles in turbulence models. Physical Review E, 2018, 98, 012202.	2.1	13
8	Random Matrices and Lyapunov Coefficients Regularity. Journal of Statistical Physics, 2017, 166, 558-574.	1.2	0
9	About David Ruelle, After His 80th Birthday. Journal of Statistical Physics, 2017, 166, 458-462.	1.2	0
10	Ergodicity: a historical perspective. Equilibrium and Nonequilibrium. European Physical Journal H, 2016, 41, 181-259.	0.8	16
11	Kondo Effect in a Fermionic Hierarchical Model. Journal of Statistical Physics, 2015, 161, 1203-1230.	1.2	3
12	Kondo Effect in the Hierarchical $s-d$ Model. Journal of Statistical Physics, 2015, 161, 1231-1235.	1.2	0
13	Equivalence of Non-equilibrium Ensembles and Representation of Friction in Turbulent Flows: The Lorenz 96 Model. Journal of Statistical Physics, 2014, 156, 1027-1065.	1.2	32
14	Renormalization Group and divergences. Journal of Statistical Physics, 2014, 157, 743-754.	1.2	1
15	Nonequilibrium and Irreversibility. Theoretical and Mathematical Physics (United States), 2014, , .	0.0	63
16	Discrete Phase Space. Theoretical and Mathematical Physics (United States), 2014, , 45-68.	0.0	0
17	Aspects of Lagrange's Mechanics and their legacy. European Physical Journal H, 2013, 38, 595-615.	0.8	1
18	Thermostats, Chaos and Onsager Reciprocity. Journal of Statistical Physics, 2009, 134, 1121-1131.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Heat and fluctuations from order to chaos. European Physical Journal B, 2008, 61, 1-24.	1.5	22
20	Fluctuation relation, fluctuation theorem, thermostats and entropy creation in nonequilibrium statistical physics. Comptes Rendus Physique, 2007, 8, 486-494.	0.9	10
21	Microscopic chaos and macroscopic entropy in fluids. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P10011-P10011.	2.3	6
22	Degenerate Elliptic Resonances. Communications in Mathematical Physics, 2005, 257, 319-362.	2.2	34
23	Fluctuation Relation beyond Linear Response Theory. Journal of Statistical Physics, 2005, 119, 909-944.	1.2	22
24	Entropy production and thermodynamics of nonequilibrium stationary states: A point of view. Chaos, 2004, 14, 680-690.	2.5	36
25	Lyapunov spectra and nonequilibrium ensembles equivalence in 2D fluid mechanics. Physica D: Nonlinear Phenomena, 2004, 187, 338-357.	2.8	40
26	Aspects of Ergodic, Qualitative and Statistical Theory of Motion. , 2004, , .		70
27	Special Problems in Chaotic Dynamics. , 2004, , 359-396.		1
28	Counting Phase Space Cells in Statistical Mechanics. Communications in Mathematical Physics, 2001, 224, 107-112.	2.2	9
29	Renormalization group in statistical mechanics and mechanics: gauge symmetries and vanishing beta functions. Physics Reports, 2001, 352, 251-272.	25.6	9
30	Nonequilibrium in statistical and fluid mechanics. Ensembles and their equivalence. Entropy driven intermittency. Journal of Mathematical Physics, 2000, 41, 4061-4081.	1.1	16
31	A local fluctuation theorem. Physica A: Statistical Mechanics and Its Applications, 1999, 263, 39-50.	2.6	38
32	New Methods in Nonequilibrium Gases and Fluids. Open Systems and Information Dynamics, 1999, 6, 101-136.	1.2	28
33	Classical Statistical Mechanics. , 1999, , 1-55.		6
34	Breakdown and regeneration of time reversal symmetry in nonequilibrium statistical mechanics. Physica D: Nonlinear Phenomena, 1998, 112, 250-257.	2.8	25
35	Chaotic dynamics, fluctuations, nonequilibrium ensembles. Chaos, 1998, 8, 384-392.	2.5	69
36	SRB States and Nonequilibrium Statistical Mechanics Close to Equilibrium. Communications in Mathematical Physics, 1997, 190, 279-285.	2.2	65

#	ARTICLE	IF	CITATIONS
37	Chaotic hypothesis: Onsager reciprocity and fluctuation-dissipation theorem. Journal of Statistical Physics, 1996, 84, 899-925.	1.2	136
38	Extension of Onsager's Reciprocity to Large Fields and the Chaotic Hypothesis. Physical Review Letters, 1996, 77, 4334-4337.	7.8	213
39	Ergodicity, ensembles, irreversibility in Boltzmann and beyond. Journal of Statistical Physics, 1995, 78, 1571-1589.	1.2	69
40	Majorant series convergence for twistless KAM tori. Ergodic Theory and Dynamical Systems, 1995, 15, 857-869.	0.6	21
41	TWISTLESS KAM TORI, QUASI FLAT HOMOCLINIC INTERSECTIONS, AND OTHER CANCELLATIONS IN THE PERTURBATION SERIES OF CERTAIN COMPLETELY INTEGRABLE HAMILTONIAN SYSTEMS: A REVIEW. Reviews in Mathematical Physics, 1994, 06, 343-411.	1.7	90
42	Twistless KAM tori. Communications in Mathematical Physics, 1994, 164, 145-156.	2.2	114
43	Billiards correlation functions. Journal of Statistical Physics, 1994, 76, 549-585.	1.2	45
44	Stability of motions near resonances in quasi-integrable Hamiltonian systems. Journal of Statistical Physics, 1986, 44, 293-338.	1.2	127
45	Renormalization theory and ultraviolet stability for scalar fields via renormalization group methods. Reviews of Modern Physics, 1985, 57, 471-562.	45.6	159
46	The Elements of Mechanics. Theoretical and Mathematical Physics (United States), 1983, , .	0.0	81
47	A criterion of integrability for perturbed nonresonant harmonic oscillators. Wick ordering of the perturbations in classical mechanics and invariance of the frequency spectrum. Communications in Mathematical Physics, 1982, 87, 365-383.	2.2	29
48	Stability and equilibrium states of infinite classical systems. Communications in Mathematical Physics, 1976, 48, 1-14.	2.2	41
49	Billiards and Bernoulli schemes. Communications in Mathematical Physics, 1974, 38, 83-101.	2.2	141
50	The phase separation line in the two-dimensional Ising model. Communications in Mathematical Physics, 1972, 27, 103-136.	2.2	168