

Itzhack Dana

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

414
citations

759233

12
h-index

752698

20
g-index

30
all docs

30
docs citations

30
times ranked

165
citing authors

#	ARTICLE	IF	CITATIONS
1	Light chaotic dynamics in the transformation from curved to flat surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112052119.	7.1	8
2	Stability, isolated chaos, and superdiffusion in nonequilibrium many-body interacting systems. Physical Review E, 2020, 102, 062120.	2.1	4
3	Floquet systems with Hall effect: Topological properties and phase transitions. Physical Review B, 2019, 100, .	3.2	7
4	Characterizations of prethermal states in periodically driven many-body systems with unbounded chaotic diffusion. Physical Review B, 2019, 100, .	3.2	31
5	Topological phase transitions from Harper to Fibonacci crystals. Physical Review B, 2018, 97, .	3.2	10
6	Kicked Hall systems: Quantum-dynamical and spectral manifestations of generic superweak chaos. Physical Review E, 2018, 98, 012219.	2.1	1
7	Topological properties of adiabatically varied Floquet systems. Physical Review E, 2017, 96, 022216.	2.1	4
8	Generic superweak chaos induced by Hall effect. Physical Review E, 2016, 93, 052207.	2.1	5
9	Quantum properties of double kicked systems with classical translational invariance in momentum. Physical Review E, 2015, 91, 012914.	2.1	1
10	Topologically universal spectral hierarchies of quasiperiodic systems. Physical Review B, 2014, 89, .	3.2	19
11	Classical and quantum transport in one-dimensional periodically kicked systems. Canadian Journal of Chemistry, 2014, 92, 77-84.	1.1	7
12	Weak-chaos ratchet accelerator. Physical Review E, 2011, 83, 066213.	2.1	6
13	Statistical approach to quantum chaotic ratchets. Physical Review E, 2010, 81, 036210.	2.1	9
14	Rotating accelerator-mode islands. Physical Review E, 2007, 75, 056209.	2.1	4
15	Quantum resonances and ratchets in free-falling frames. Physical Review E, 2007, 76, 015201.	2.1	21
16	Fluctuations and transients in quantum-resonant evolution. Physical Review E, 2006, 74, 045201.	2.1	10
17	General quantum resonances of the kicked particle. Physical Review E, 2006, 73, 026206.	2.1	29
18	Type specification of stability islands and chaotic stickiness. Physical Review E, 2005, 71, 036222.	2.1	8

#	ARTICLE	IF	CITATIONS
19	General approach to the quantum kicked particle in a magnetic field: Quantum-antiresonance transition. <i>Physical Review E</i> , 2005, 72, 046205.	2.1	22
20	Global superdiffusion of weak chaos. <i>Physical Review E</i> , 2004, 69, 016212.	2.1	13
21	Chaotic diffusion on periodic orbits: The perturbed Arnold cat map. <i>Physical Review E</i> , 2003, 67, 046203.	2.1	7
22	Vortex structure and characterization of quasiperiodic functions. <i>Journal of Physics A</i> , 2002, 35, 10101-10116.	1.6	4
23	Band Husimi distributions and the classical-quantum correspondence on the torus. <i>Physical Review E</i> , 1998, 58, 5655-5667.	2.1	13
24	Band Distributions for Quantum Chaos on a Torus. <i>Physical Review Letters</i> , 1998, 81, 3124-3127.	7.8	17
25	Strong variation of global-transport properties in chaotic ensembles. , 1998, , 51-58.		6
26	Limited sensitivity to analyticity: a manifestation of quantum chaos. <i>Foundations of Physics</i> , 1997, 27, 153-170.	1.3	3
27	Kicked Harper models and kicked charge in a magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 197, 413-416.	2.1	39
28	Extended and localized states of generalized kicked Harper models. <i>Physical Review E</i> , 1995, 52, 466-472.	2.1	35
29	Quantum Suppression of Diffusion on Stochastic Webs. <i>Physical Review Letters</i> , 1994, 73, 1609-1612.	7.8	47
30	Hamiltonian transport on unstable periodic orbits. <i>Physica D: Nonlinear Phenomena</i> , 1989, 39, 205-230.	2.8	24