

# 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	Quantum Suppression of Diffusion on Stochastic Webs. <i>Physical Review Letters</i> , 1994, 73, 1609-1612.	7.8	47
2	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
3	Extended and localized states of generalized kicked Harper models. <i>Physical Review E</i> , 1995, 52, 466-472.	2.1	35
4	Characterizations of prethermal states in periodically driven many-body systems with unbounded chaotic diffusion. <i>Physical Review B</i> , 2019, 100, .	3.2	31
5	General quantum resonances of the kicked particle. <i>Physical Review E</i> , 2006, 73, 026206.	2.1	29
6	Hamiltonian transport on unstable periodic orbits. <i>Physica D: Nonlinear Phenomena</i> , 1989, 39, 205-230.	2.8	24
7	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
8	Quantum resonances and ratchets in free-falling frames. <i>Physical Review E</i> , 2007, 76, 015201.	2.1	21
9	Topologically universal spectral hierarchies of quasiperiodic systems. <i>Physical Review B</i> , 2014, 89, .	3.2	19
10	Band Distributions for Quantum Chaos on a Torus. <i>Physical Review Letters</i> , 1998, 81, 3124-3127.	7.8	17
11	Band Husimi distributions and the classical-quantum correspondence on the torus. <i>Physical Review E</i> , 1998, 58, 5655-5667.	2.1	13
12	Global superdiffusion of weak chaos. <i>Physical Review E</i> , 2004, 69, 016212.	2.1	13
13	Fluctuations and transients in quantum-resonant evolution. <i>Physical Review E</i> , 2006, 74, 045201.	2.1	10
14	Topological phase transitions from Harper to Fibonacci crystals. <i>Physical Review B</i> , 2018, 97, .	3.2	10
15	Statistical approach to quantum chaotic ratchets. <i>Physical Review E</i> , 2010, 81, 036210.	2.1	9
16	Type specification of stability islands and chaotic stickiness. <i>Physical Review E</i> , 2005, 71, 036222.	2.1	8
17	Light chaotic dynamics in the transformation from curved to flat surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112052119.	7.1	8
18	Chaotic diffusion on periodic orbits: The perturbed Arnold cat map. <i>Physical Review E</i> , 2003, 67, 046203.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Classical and quantum transport in one-dimensional periodically kicked systems. Canadian Journal of Chemistry, 2014, 92, 77-84.	1.1	7
20	Floquet systems with Hall effect: Topological properties and phase transitions. Physical Review B, 2019, 100, .	3.2	7
21	Strong variation of global-transport properties in chaotic ensembles. , 1998, , 51-58.		6
22	Weak-chaos ratchet accelerator. Physical Review E, 2011, 83, 066213.	2.1	6
23	Generic superweak chaos induced by Hall effect. Physical Review E, 2016, 93, 052207.	2.1	5
24	Vortex structure and characterization of quasiperiodic functions. Journal of Physics A, 2002, 35, 10101-10116.	1.6	4
25	Rotating accelerator-mode islands. Physical Review E, 2007, 75, 056209.	2.1	4
26	Topological properties of adiabatically varied Floquet systems. Physical Review E, 2017, 96, 022216.	2.1	4
27	Stability, isolated chaos, and superdiffusion in nonequilibrium many-body interacting systems. Physical Review E, 2020, 102, 062120.	2.1	4
28	Limited sensitivity to analyticity: a manifestation of quantum chaos. Foundations of Physics, 1997, 27, 153-170.	1.3	3
29	Quantum properties of double kicked systems with classical translational invariance in momentum. Physical Review E, 2015, 91, 012914.	2.1	1
30	Kicked Hall systems: Quantum-dynamical and spectral manifestations of generic superweak chaos. Physical Review E, 2018, 98, 012219.	2.1	1