

Gabriel G Carlo

List of Publications by Year in descending order

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48
papers

682
citations

567281

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all docs

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docs citations

48
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Ratchets in Dissipative Chaotic Systems. <i>Physical Review Letters</i> , 2005, 94, 164101.	7.8	68
2	Entanglement across a transition to quantum chaos. <i>Physical Review A</i> , 2005, 71, .	2.5	60
3	Semiclassical construction of resonances with hyperbolic structure: the scar function. <i>Journal of Physics A</i> , 2001, 34, 4525-4552.	1.6	47
4	Semiclassical quantization with short periodic orbits. <i>Journal of Physics A</i> , 2000, 33, 4717-4724.	1.6	45
5	Period doubling in period-one steady states. <i>Physical Review E</i> , 2018, 97, 020202.	2.1	39
6	Chaotic ratchet dynamics with cold atoms in a pair of pulsed optical lattices. <i>Physical Review A</i> , 2006, 74, .	2.5	37
7	Teleportation in a Noisy Environment: A Quantum Trajectories Approach. <i>Physical Review Letters</i> , 2003, 91, 257903.	7.8	35
8	Localization of Resonance Eigenfunctions on Quantum Repellers. <i>Physical Review Letters</i> , 2009, 103, 054102.	7.8	31
9	Current behavior of a quantum Hamiltonian ratchet in resonance. <i>Physical Review E</i> , 2007, 75, 011102.	2.1	25
10	Simulating noisy quantum protocols with quantum trajectories. <i>Physical Review A</i> , 2004, 69, .	2.5	24
11	Scarring in open quantum systems. <i>Physical Review E</i> , 2008, 77, 045201.	2.1	24
12	Out-of-time ordered correlators, complexity, and entropy in bipartite systems. <i>Physical Review Research</i> , 2019, 1, .	3.6	21
13	Scar functions in the Bunimovich stadium billiard. <i>Journal of Physics A</i> , 2002, 35, 7965-7982.	1.6	19
14	Quantum Isoperiodic Stable Structures and Directed Transport. <i>Physical Review Letters</i> , 2012, 108, 210605.	7.8	19
15	Distribution of resonances in the quantum open baker map. <i>Physical Review E</i> , 2009, 79, 016215.	2.1	16
16	Quantum parameter space of dissipative directed transport. <i>Physical Review E</i> , 2015, 91, 010903.	2.1	12
17	Theory of short periodic orbits for partially open quantum maps. <i>Physical Review E</i> , 2016, 94, 012222.	2.1	12
18	Dissipative Quantum Chaos: Transition from Wave Packet Collapse to Explosion. <i>Physical Review Letters</i> , 2005, 95, 164101.	7.8	11

#	ARTICLE	IF	CITATIONS
19	Numerical verification of Percival's conjecture in a quantum billiard. Physical Review E, 1998, 57, 5397-5403.	2.1	9
20	Environmental stability of quantum chaotic ratchets. Physical Review E, 2011, 83, 011103.	2.1	9
21	Correspondence behavior of classical and quantum dissipative directed transport via thermal noise. Physical Review E, 2016, 93, 042133.	2.1	9
22	Lagrangian descriptors for open maps. Physical Review E, 2020, 101, 022208.	2.1	9
23	Wigner separability entropy and complexity of quantum dynamics. Physical Review E, 2012, 85, 051129.	2.1	8
24	Transient features of quantum open maps. Physical Review E, 2012, 85, 066204.	2.1	7
25	Classical transients and the support of open quantum maps. Physical Review E, 2013, 87, 012909.	2.1	7
26	Phase-space contraction and quantum operations. Physical Review A, 2005, 72, .	2.5	6
27	Classical to quantum correspondence in dissipative directed transport. Physical Review E, 2015, 92, 052907.	2.1	6
28	Classical counterparts of quantum attractors in generic dissipative systems. Physical Review E, 2017, 95, 062202.	2.1	6
29	Role of short periodic orbits in quantum maps with continuous openings. Physical Review E, 2018, 97, 042211.	2.1	6
30	Evanescence wave approach to diffractive phenomena in convex billiards with corners. Physical Review E, 2003, 67, 046221.	2.1	5
31	Transport phenomena in the asymmetric quantum multibaker map. Physical Review E, 2008, 77, 011126.	2.1	5
32	Relatively robust classical structures in dissipative quantum chaotic systems. Physical Review E, 2010, 81, 047201.	2.1	5
33	Jaynes-Cummings model under monochromatic driving. Physical Review A, 2020, 102, .	2.5	5
34	Principle of majorization: Application to random quantum circuits. Physical Review A, 2021, 104, .	2.5	5
35	Three-dimensional classical and quantum stable structures of dissipative systems. Physical Review E, 2019, 99, 012214.	2.1	4
36	Lagrangian descriptors for the Bunimovich stadium billiard. Physical Review E, 2022, 105, 014208.	2.1	4

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37	Behavior of the current in the asymmetric quantum multibaker map. <i>Physical Review E</i> , 2009, 79, 056201.	2.1	3
38	Spectral behavior of contractive noise. <i>Physical Review E</i> , 2011, 84, 066201.	2.1	3
39	Quantum and classical complexity in coupled maps. <i>Physical Review E</i> , 2017, 96, 062144.	2.1	3
40	Effects of chaotic dynamics on quantum friction. <i>Physical Review E</i> , 2019, 99, 042214.	2.1	3
41	Relevant out-of-time-order correlator operators: Footprints of the classical dynamics. <i>Physical Review E</i> , 2020, 102, 052133.	2.1	3
42	Thermal effects on chaotic directed transport. <i>Physical Review E</i> , 2009, 79, 026212.	2.1	2
43	The classical skeleton of open quantum chaotic maps. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1818-1824.	2.8	2
44	Transfer matrices and circuit representation for the semiclassical traces of the baker map. <i>Physical Review E</i> , 2010, 82, 046220.	2.1	1
45	The Weyl law for contractive maps. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 475101.	2.1	1
46	Signatures of classical structures in the leading eigenstates of quantum dissipative systems. <i>Physical Review E</i> , 2017, 96, 032202.	2.1	1
47	Short Periodic Orbit Theory of Eigenfunctions. , 0, , 77-95.		0
48	Symbolic walk in regular networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 035102.	2.1	0