Gabriel G Carlo

List of Publications by Year
in descending order

48 papers	682 citations	567281 15 h-index	580821 25 g-index
48 all docs	48 docs citations	48 times ranked	345 citing authors

#	Article	IF	Citations
1	Lagrangian descriptors for the Bunimovich stadium billiard. Physical Review E, 2022, 105, 014208.	2.1	4
2	Principle of majorization: Application to random quantum circuits. Physical Review A, 2021, 104, .	2.5	5
3	Jaynes-Cummings model under monochromatic driving. Physical Review A, 2020, 102, .	2.5	5
4	Relevant out-of-time-order correlator operators: Footprints of the classical dynamics. Physical Review E, 2020, 102, 052133.	2.1	3
5	Lagrangian descriptors for open maps. Physical Review E, 2020, 101, 022208.	2.1	9
6	Three-dimensional classical and quantum stable structures of dissipative systems. Physical Review E, 2019, 99, 012214.	2.1	4
7	Effects of chaotic dynamics on quantum friction. Physical Review E, 2019, 99, 042214.	2.1	3
8	Out-of-time ordered correlators, complexity, and entropy in bipartite systems. Physical Review Research, 2019, 1, .	3.6	21
9	Role of short periodic orbits in quantum maps with continuous openings. Physical Review E, 2018, 97, 042211.	2.1	6
10	Period doubling in period-one steady states. Physical Review E, 2018, 97, 020202.	2.1	39
11	Signatures of classical structures in the leading eigenstates of quantum dissipative systems. Physical Review E, 2017, 96, 032202.	2.1	1
12	Classical counterparts of quantum attractors in generic dissipative systems. Physical Review E, 2017, 95, 062202.	2.1	6
13	Quantum and classical complexity in coupled maps. Physical Review E, 2017, 96, 062144.	2.1	3
14	Correspondence behavior of classical and quantum dissipative directed transport via thermal noise. Physical Review E, 2016, 93, 042133.	2.1	9
15	Theory of short periodic orbits for partially open quantum maps. Physical Review E, 2016, 94, 012222.	2.1	12
16	Classical to quantum correspondence in dissipative directed transport. Physical Review E, 2015, 92, 052907.	2.1	6
17	Symbolic walk in regular networks. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 035102.	2.1	0
18	Quantum parameter space of dissipative directed transport. Physical Review E, 2015, 91, 010903.	2.1	12

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19	Classical transients and the support of open quantum maps. Physical Review E, 2013, 87, 012909.	2.1	7
20	The Weyl law for contractive maps. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 475101.	2.1	1
21	Wigner separability entropy and complexity of quantum dynamics. Physical Review E, 2012, 85, 051129.	2.1	8
22	Quantum Isoperiodic Stable Structures and Directed Transport. Physical Review Letters, 2012, 108, 210605.	7.8	19
23	Transient features of quantum open maps. Physical Review E, 2012, 85, 066204.	2.1	7
24	The classical skeleton of open quantum chaotic maps. Physica D: Nonlinear Phenomena, 2011, 240, 1818-1824.	2.8	2
25	Spectral behavior of contractive noise. Physical Review E, 2011, 84, 066201.	2.1	3
26	Environmental stability of quantum chaotic ratchets. Physical Review E, 2011, 83, 011103.	2.1	9
27	Relatively robust classical structures in dissipative quantum chaotic systems. Physical Review E, 2010, 81, 047201.	2.1	5
28	Transfer matrices and circuit representation for the semiclassical traces of the baker map. Physical Review E, 2010, 82, 046220.	2.1	1
29	Behavior of the current in the asymmetric quantum multibaker map. Physical Review E, 2009, 79, 056201.	2.1	3
30	Localization of Resonance Eigenfunctions on Quantum Repellers. Physical Review Letters, 2009, 103, 054102.	7.8	31
31	Thermal effects on chaotic directed transport. Physical Review E, 2009, 79, 026212.	2.1	2
32	Distribution of resonances in the quantum open baker map. Physical Review E, 2009, 79, 016215.	2.1	16
33	Transport phenomena in the asymmetric quantum multibaker map. Physical Review E, 2008, 77, 011126.	2.1	5
34	Scarring in open quantum systems. Physical Review E, 2008, 77, 045201.	2.1	24
35	Current behavior of a quantum Hamiltonian ratchet in resonance. Physical Review E, 2007, 75, 011102.	2.1	25
36	Chaotic ratchet dynamics with cold atoms in a pair of pulsed optical lattices. Physical Review A, 2006, 74, .	2.5	37

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37	Phase-space contraction and quantum operations. Physical Review A, 2005, 72, .	2.5	6
38	Quantum Ratchets in Dissipative Chaotic Systems. Physical Review Letters, 2005, 94, 164101.	7.8	68
39	Dissipative Quantum Chaos: Transition from Wave Packet Collapse to Explosion. Physical Review Letters, 2005, 95, 164101.	7.8	11
40	Entanglement across a transition to quantum chaos. Physical Review A, 2005, 71, .	2.5	60
41	Simulating noisy quantum protocols with quantum trajectories. Physical Review A, 2004, 69, .	2.5	24
42	Teleportation in a Noisy Environment: A Quantum Trajectories Approach. Physical Review Letters, 2003, 91, 257903.	7.8	35
43	Evanescent wave approach to diffractive phenomena in convex billiards with corners. Physical Review E, 2003, 67, 046221.	2.1	5
44	Scar functions in the Bunimovich stadium billiard. Journal of Physics A, 2002, 35, 7965-7982.	1.6	19
45	Semiclassical construction of resonances with hyperbolic structure: the scar function. Journal of Physics A, 2001, 34, 4525-4552.	1.6	47
46	Semiclassical quantization with short periodic orbits. Journal of Physics A, 2000, 33, 4717-4724.	1.6	45
47	Numerical verification of Percival's conjecture in a quantum billiard. Physical Review E, 1998, 57, 5397-5403.	2.1	9
48	Short Periodic Orbit Theory of Eigenfunctions. , 0, , 77-95.		0