

# Jozsef Zsolt Bernad

## List of Publications by Year in descending order

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30  
papers

235  
citations

1040056

9  
h-index

1058476

14  
g-index

33  
all docs

33  
docs citations

33  
times ranked

258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of disorders in the rest positions of two membranes in optomechanical systems. <i>Physical Review A</i> , 2022, 105, .	2.5	0
2	Product formulas in the framework of mean ergodic theorems. <i>Advances in Operator Theory</i> , 2020, 5, 15-26.	0.6	1
3	Range of applicability of the Hu-Paz-Zhang master equation. <i>Physical Review A</i> , 2020, 102, .	2.5	5
4	Fisher-information-based estimation of optomechanical coupling strengths. <i>Physical Review A</i> , 2020, 102, .	2.5	11
5	Optimal estimation of matter-field coupling strength in the dipole approximation. <i>Physical Review A</i> , 2019, 99, .	2.5	5
6	Positivity violations of the density operator in the Caldeira-Leggett master equation. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	8
7	An entropy production based method for determining the position diffusionâ€™s coefficient of a quantum Brownian motion. <i>European Physical Journal D</i> , 2018, 72, 1.	1.3	4
8	Optimal estimation of the optomechanical coupling strength. <i>Physical Review A</i> , 2018, 97, .	2.5	13
9	Dynamical control of quantum systems in the context of mean ergodic theorems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 065303.	2.1	3
10	Measurement-induced chaos and quantum state discrimination in an iterated Tavis-Cummings scheme. <i>Physical Review A</i> , 2017, 95, .	2.5	10
11	On the limit relation for the quantum relative entropy. <i>Journal of Mathematical Physics</i> , 2017, 58, 062202.	1.1	0
12	Hybrid quantum repeater based on resonant qubit-field interactions. <i>Physical Review A</i> , 2017, 96, .	2.5	8
13	Unambiguous atomic Bell measurement assisted by multiphoton states. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	12
14	Conditions for entanglement purification with general two-qubit states. <i>Physical Review A</i> , 2016, 94, .	2.5	5
15	Multiphoton-state-assisted entanglement purification of material qubits. <i>Physical Review A</i> , 2016, 93, .	2.5	10
16	Partly invariant steady state of two interacting open quantum systems. <i>Physical Review A</i> , 2015, 92, .	2.5	5
17	Generation of entangled matter qubits in two opposing parabolic mirrors. <i>Physical Review A</i> , 2014, 90, .	2.5	3
18	Effects of stochastic noise on dynamical decoupling procedures. <i>Physical Review A</i> , 2014, 89, .	2.5	2

#	ARTICLE	IF	CITATIONS
19	Quantum teleportation and entanglement swapping of matter qubits with coherent multiphoton states. <i>Physical Review A</i> , 2014, 90, .	2.5	22
20	Centre-of-mass motion-induced decoherence and entanglement generation in a hybrid quantum repeater. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 235501.	1.5	6
21	QED with a parabolic mirror. <i>Physical Review A</i> , 2013, 88, .	2.5	21
22	Photon-assisted entanglement creation by minimum-error generalized quantum measurements in the strong-coupling regime. <i>Physical Review A</i> , 2013, 87, .	2.5	9
23	Optical conductivity of single-layer graphene induced by temporal mass-gap fluctuations. <i>Physica B: Condensed Matter</i> , 2012, 407, 4446-4452.	2.7	1
24	Double detected spin-dependent quantum dot. <i>Physica B: Condensed Matter</i> , 2012, 407, 2794-2802.	2.7	1
25	Features due to spin-orbit coupling in the optical conductivity of single-layer graphene. <i>Physical Review B</i> , 2010, 81, .	3.2	23
26	Effects of a quantum measurement on the electric conductivity: Application to graphene. <i>Physical Review B</i> , 2010, 81, .	3.2	9
27	Application of continuous measurement theory to the current through quantum dots. <i>Physical Review B</i> , 2008, 77, .	3.2	4
28	Theory of a double-dot charge detector. <i>Physical Review B</i> , 2006, 73, .	3.2	10
29	Quest for Quantum Superpositions of a Mirror: High and Moderately Low Temperatures. <i>Physical Review Letters</i> , 2006, 97, 250404.	7.8	20
30	Entanglement in bipartite quantum systems: Euclidean volume ratios and detectability by Bell inequalities. <i>Journal of Physics A: Mathematical and Theoretical</i> , 0, , .	2.1	3