

# Ievgen I Arkhipov

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

416  
citations

759055

12  
h-index

752573

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid-Liouvilian formalism connecting exceptional points of non-Hermitian Hamiltonians and Liouvillians via postselection of quantum trajectories. <i>Physical Review A</i> , 2020, 101, .	1.0	58
2	Scully-Lamb quantum laser model for parity-time-symmetric whispering-gallery microcavities: Gain saturation effects and nonreciprocity. <i>Physical Review A</i> , 2019, 99, .	1.0	43
3	Liouvillian exceptional points of any order in dissipative linear bosonic systems: Coherence functions and switching between $\langle \text{PT} \rangle$ and anti- $\langle \text{PT} \rangle$ symmetries. <i>Physical Review A</i> , 2020, 102, .	1.0	39
4	Quantum and semiclassical exceptional points of a linear system of coupled cavities with losses and gain within the Scully-Lamb laser theory. <i>Physical Review A</i> , 2020, 101, .	1.0	37
5	Nonclassicality Invariant of General Two-Mode Gaussian States. <i>Scientific Reports</i> , 2016, 6, 26523.	1.6	31
6	Comparative study of nonclassicality, entanglement, and dimensionality of multimode noisy twin beams. <i>Physical Review A</i> , 2015, 91, .	1.0	29
7	Nonclassicality and entanglement criteria for bipartite optical fields characterized by quadratic detectors. <i>Physical Review A</i> , 2017, 96, .	1.0	28
8	Interplay of nonclassicality and entanglement of two-mode Gaussian fields generated in optical parametric processes. <i>Physical Review A</i> , 2016, 94, .	1.0	26
9	Negativity volume of the generalized Wigner function as an entanglement witness for hybrid bipartite states. <i>Scientific Reports</i> , 2018, 8, 16955.	1.6	22
10	Localizable entanglement as a necessary resource of controlled quantum teleportation. <i>Scientific Reports</i> , 2018, 8, 15209.	1.6	21
11	Generating high-order quantum exceptional points in synthetic dimensions. <i>Physical Review A</i> , 2021, 104, .	1.0	21
12	Experimental detection of nonclassicality of single-mode fields via intensity moments. <i>Optics Express</i> , 2016, 24, 29496.	1.7	15
13	Continuous dissipative phase transitions with or without symmetry breaking. <i>New Journal of Physics</i> , 2021, 23, 122001.	1.2	13
14	Liouvillian spectral collapse in the Scully-Lamb laser model. <i>Physical Review Research</i> , 2021, 3, .	1.3	12
15	Experimental identification of non-classicality of noisy twin beams and other related two-mode states. <i>Scientific Reports</i> , 2018, 8, 1460.	1.6	6
16	Complete identification of nonclassicality of Gaussian states via intensity moments. <i>Physical Review A</i> , 2018, 98, .	1.0	5
17	Entanglement and nonclassicality in four-mode Gaussian states generated via parametric down-conversion and frequency up-conversion. <i>Scientific Reports</i> , 2016, 6, 33802.	1.6	4
18	Retrieving the covariance matrix of an unknown two-mode Gaussian state by means of a reference twin beam. <i>Optics Communications</i> , 2016, 375, 29-33.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Characterization of nonclassicality of Gaussian states initially generated in optical spontaneous parametric processes by means of induced stimulated emission. <i>Physical Review A</i> , 2018, 98, .	1.0	2
20	Universal non-Markovianity detection in hybrid open quantum systems. <i>Scientific Reports</i> , 2020, 10, 18258.	1.6	1
21	Enhancing entanglement detection of quantum optical frequency combs via stimulated emission. <i>Scientific Reports</i> , 2019, 9, 5090.	1.6	0
22	Characterization of Dephasing and Dissipating Effects in Hybrid Quantum Systems. , 2020, , .		0