

# Vladyslav C Usenko

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35  
papers

1,002  
citations

15  
h-index

31  
g-index

46  
ext. papers

1,484  
ext. citations

4.2  
avg, IF

4.7  
L-index

#	Paper	IF	Citations
35	Advances in quantum cryptography. <i>Advances in Optics and Photonics</i> , <b>2020</b> , 12, 1012	16.7	256
34	Continuous variable quantum key distribution with modulated entangled states. <i>Nature Communications</i> , <b>2012</b> , 3, 1083	17.4	141
33	Feasibility of continuous-variable quantum key distribution with noisy coherent states. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	74
32	Entanglement of Gaussian states and the applicability to quantum key distribution over fading channels. <i>New Journal of Physics</i> , <b>2012</b> , 14, 093048	2.9	69
31	Trusted Noise in Continuous-Variable Quantum Key Distribution: A Threat and a Defense. <i>Entropy</i> , <b>2016</b> , 18, 20	2.8	63
30	Unidimensional continuous-variable quantum key distribution. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	58
29	Long-distance continuous-variable quantum key distribution with efficient channel estimation. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	52
28	Squeezed-state quantum key distribution upon imperfect reconciliation. <i>New Journal of Physics</i> , <b>2011</b> , 13, 113007	2.9	43
27	Heralded source of bright multi-mode mesoscopic sub-Poissonian light. <i>Optics Letters</i> , <b>2016</b> , 41, 2149-52,		34
26	Multiphoton communication in lossy channels with photon-number entangled states. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	20
25	Fading channel estimation for free-space continuous-variable secure quantum communication. <i>New Journal of Physics</i> , <b>2019</b> , 21, 123036	2.9	20
24	Entanglement-based continuous-variable quantum key distribution with multimode states and detectors. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	17
23	Continuous-variable quantum key distribution with a leakage from state preparation. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	16
22	Robustness of quantum key distribution with discrete and continuous variables to channel noise. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	15
21	Stabilization of transmittance fluctuations caused by beam wandering in continuous-variable quantum communication over free-space atmospheric channels. <i>Optics Express</i> , <b>2018</b> , 26, 31106-31115	3.3	15
20	Low-noise macroscopic twin beams. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	14
19	Unidimensional continuous-variable quantum key distribution using squeezed states. <i>Physical Review A</i> , <b>2018</b> , 98,	2.6	13

18	Preventing side-channel effects in continuous-variable quantum key distribution. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	12
17	Large-alphabet quantum key distribution with two-mode coherently correlated beams. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2005</b> , 348, 17-23	2.3	12
16	Squeezing-enhanced quantum key distribution over atmospheric channels. <i>New Journal of Physics</i> , <b>2020</b> , 22, 053006	2.9	9
15	Quantum communication with macroscopically bright nonclassical states. <i>Optics Express</i> , <b>2015</b> , 23, 31534-31543	3.3	9
14	Sufficiency of quantum non-Gaussianity for discrete-variable quantum key distribution over noisy channels. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	7
13	Quantum communication with photon-number entangled states and realistic photodetection. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2010</b> , 374, 1342-1345	2.3	7
12	Complete elimination of information leakage in continuous-variable quantum communication channels. <i>Npj Quantum Information</i> , <b>2018</b> , 4,	8.6	6
11	Quantum physics in space. <i>Physics Reports</i> , <b>2022</b> , 951, 1-70	27.7	4
10	Estimation of the covariance matrix of macroscopic quantum states. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	3
9	Quantum Cryptography with Correlated Twin Laser Beams. <i>Journal of Russian Laser Research</i> , <b>2004</b> , 25, 361-369	0.7	3
8	Modulation leakage vulnerability in continuous-variable quantum key distribution. <i>Quantum Science and Technology</i> , <b>2021</b> , 6, 045001	5.5	2
7	Classical correlations can enhance the continuous-variable quantum key distribution. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2011</b> , 111, 673-677	0.7	1
6	Secure quantum channels with correlated twin laser beams. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2005</b> , 99, 185	0.7	1
5	Feasibility of quantum key distribution with macroscopically bright coherent light. <i>Optics Express</i> , <b>2019</b> , 27, 36154-36163	3.3	1
4	Applicability of Squeezed- and Coherent-State Continuous-Variable Quantum Key Distribution over Satellite Links. <i>Entropy</i> , <b>2020</b> , 23,	2.8	1
3	Cross talk compensation in multimode continuous-variable entanglement distribution. <i>Optics Express</i> , <b>2021</b> , 29, 24083-24101	3.3	0
2	Tolerance of continuous-variables quantum key distribution to the noise in state preparation. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2010</b> , 108, 331-335	0.7	
1	Bit threshold optimization for multiphoton communication in lossy channels. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2007</b> , 103, 76-81	0.7	

