

Rubens Ramos

List of Publications by Year in descending order

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73
papers

400
citations

933264

10
h-index

996849

15
g-index

75
all docs

75
docs citations

75
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	The Lambert-Tsallis W_q function. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 164-170.	1.2	24
2	Passive quantum error correction with linear optics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 352, 206-209.	0.9	23
3	Quantum secure direct communication of digital and analog signals using continuum coherent states. Quantum Information Processing, 2016, 15, 4747-4758.	1.0	22
4	Quantum communication with photon-added coherent states. Quantum Information Processing, 2013, 12, 537-547.	1.0	20
5	Residual entanglement with negativity for pure four-qubit quantum states. Quantum Information Processing, 2010, 9, 497-508.	1.0	17
6	Two-layer quantum key distribution. Quantum Information Processing, 2015, 14, 2111-2124.	1.0	15
7	Calculation of the Quantum Entanglement Measure of Bipartite States, Based on Relative Entropy, Using Genetic Algorithms. Journal of Computational Physics, 2002, 175, 576-583.	1.9	13
8	Quantum-chaotic key distribution in optical networks: from secrecy to implementation with logistic map. Quantum Information Processing, 2018, 17, 1.	1.0	12
9	Disentropy of the Wigner function. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2244.	0.9	12
10	Spectral method for characterization of avalanche photodiode working as single-photon detector. Optics Letters, 2011, 36, 3446.	1.7	11
11	Quantum Random Number Generator Using Only One Single-Photon Detector. IEEE Photonics Technology Letters, 2014, 26, 851-853.	1.3	11
12	Multiplayer quantum games and its application as access controller in architecture of quantum computers. Quantum Information Processing, 2008, 7, 125-135.	1.0	10
13	Enhancing eavesdropping detection in quantum key distribution using disentropy measure of randomness. Quantum Information Processing, 2022, 21, 1.	1.0	10
14	Numerical algorithms for use in quantum information. Journal of Computational Physics, 2003, 192, 95-104.	1.9	9
15	Multiple-photon number resolving detector using fibre ring and single-photon detector. Journal of Modern Optics, 2007, 54, 1187-1202.	0.6	9
16	Estimation of the Randomness of Continuous and Discrete Signals Using the Disentropy of the Autocorrelation. SN Computer Science, 2021, 2, 1.	2.3	9
17	Analytical Solution of the Current-Voltage Characteristics of Circuits With Power-Law Dependence of the Current on the Applied Voltage Using the Lambert-Tsallis W_q Function. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 769-773.	2.2	9
18	Analytical solutions of cubic and quintic polynomials in micro and nanoelectronics using the Lambert-Tsallis W_q function. Journal of Computational Electronics, 2022, 21, 396-400.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Mixture of two-mode unpolarized and pure quantum light states: quantum polarization and application in quantum communication. <i>Journal of Modern Optics</i> , 2005, 52, 2093-2103.	0.6	8
20	Quantum information technology with Sagnac interferometer: interaction-free measurement, quantum key distribution and quantum secret sharing. <i>Journal of Modern Optics</i> , 2008, 55, 1231-1241.	0.6	7
21	Riemannian quantum circuit. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1346-1349.	0.9	7
22	Authenticated B92 QKD protocol employing synchronized optical chaotic systems. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	7
23	Radial basis function network using Lambert's W function. <i>Physica A: Statistical Mechanics and its Applications</i> , 2019, 534, 122168.	1.2	7
24	The Lambert-Kaniadakis W function. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126175.	0.9	7
25	Dynamic of the degree of polarization in a depolarizing channel: Theory and experimental results. <i>Microwave and Optical Technology Letters</i> , 2005, 47, 497-500.	0.9	6
26	Analysis of Heralded Single-Photon Source Using Four-Wave Mixing in Optical Fibers via Wigner Function and its Use in Quantum Key Distribution. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 721-727.	1.0	6
27	Quantum-chaotic cryptography. <i>Quantum Information Processing</i> , 2018, 17, 1.	1.0	6
28	Loss of entanglement after propagation in a quantum noisy channel modeled by a canonical unitary operation in two qubits. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 360, 251-255.	0.9	5
29	Quantum search algorithm using quantum bit string comparator. , 2006, , .		5
30	Quantum protocols for zero-knowledge systems. <i>Quantum Information Processing</i> , 2010, 9, 37-46.	1.0	5
31	Controlling a quantum communication system with synchronized nonlinear fiber ring resonators. <i>Microwave and Optical Technology Letters</i> , 2000, 27, 302-304.	0.9	4
32	Using Chaotic Dynamics in Quantum Cryptographic Systems: Chaotic Cryptography and Repeaters. <i>Journal of Optical Communications</i> , 2001, 22, .	4.0	4
33	Single-photon detectors for quantum key distribution in 1550 nm: Simulations and experimental results. <i>Microwave and Optical Technology Letters</i> , 2003, 37, 136-139.	0.9	4
34	Implementations of quantum and classical gates with linear optical devices and photon number quantum non-demolition measurement for polarization encoded qubits. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 359, 592-596.	0.9	4
35	Linear optical setups for active and passive quantum error correction in polarization encoded qubits. <i>Journal of Modern Optics</i> , 2007, 54, 1467-1479.	0.6	4
36	Quantum Communication With Polarization-Encoded Qubit Using Quantum Error Correction. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 113-118.	1.0	4

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37	Double quantum well triple barrier structures: analytical and numerical results. Canadian Journal of Physics, 2016, 94, 1180-1188.	0.4	4
38	Optical quantum bit string comparator. Optical and Quantum Electronics, 2019, 51, 1.	1.5	4
39	The R_q, Q function and the q-Diode. Physica A: Statistical Mechanics and Its Applications, 2020, 556, 124851.	1.2	4
40	Calculation of the disentropy of the Wigner function using the Lambert- q Tsallis W_q function with non-integer q values. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2035.	0.9	4
41	Controlling chaos in a nonlinear fiber ring resonator using fuzzy logic. Microwave and Optical Technology Letters, 1999, 21, 378-380.	0.9	3
42	Experimental implementation of B92 quantum key distribution protocol. Microwave and Optical Technology Letters, 2008, 50, 236-241.	0.9	3
43	Smart generation of a tripartite GHZ-type state for coherent state qubit. Optics Communications, 2008, 281, 2705-2709.	1.0	3
44	Entanglement measure for pure six-qubit quantum states. Quantum Information Processing, 2012, 11, 255-267.	1.0	3
45	Applications of the Lambert- q Tsallis W_q function in quantum photonic Gaussian boson sampling. Quantum Information Processing, 2022, 21, .	1.0	3
46	Simulations of continuum coherent states and its use in quantum cryptographic systems. Journal of Modern Optics, 2001, 48, 989-1003.	0.6	2
47	Channel Equalisation for Polarimetric Quantum Cryptographic Systems. Journal of Optical Communications, 2001, 22, .	4.0	2
48	Quantum bit string commitment protocol using polarization of mesoscopic coherent states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1190-1193.	0.9	2
49	On the quantum polarization and entanglement of superpositions of two two-mode coherent states. Optics Communications, 2008, 281, 6034-6039.	1.0	2
50	An optical scheme for quantum multi-service network. Quantum Information and Computation, 2012, 12, 620-629.	0.1	2
51	Analytical Solution of the Space Charge Limited Current Using Lambert- q Tsallis W_q Function. IEEE Transactions on Electron Devices, 2022, 69, 5787-5791.	1.6	2
52	Optical random-bit generator employing quantum and chaotic dynamics. Microwave and Optical Technology Letters, 2003, 39, 338-342.	0.9	1
53	Software for Analysis of Eavesdropping Strategies in Photonic Quantum Cryptographic Systems. Journal of Optical Communications, 2004, 25, .	4.0	1
54	Quantum teleportation with number states and beam splitters. Journal of Modern Optics, 2004, 51, 525-536.	0.6	1

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55	Optical receiver for instrumentation and communication. Microwave and Optical Technology Letters, 2005, 45, 415-419.	0.9	1
56	Implementing a non-local xor function with quantum communication. Journal of Modern Optics, 2006, 53, 1765-1775.	0.6	1
57	Optical setups for probabilistic bipartite and tripartite entanglement generation and quantum teleportation in optical networks. Journal of Modern Optics, 2008, 55, 1279-1289.	0.6	1
58	Schemes for teleportation of quantum gates. Quantum Information Processing, 2011, 10, 203-212.	1.0	1
59	On the role of the basis of measurement in quantum gate teleportation. Quantum Information Processing, 2015, 14, 2323-2343.	1.0	1
60	Numerical search for universal entanglers in $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.. Physics$	0.9	1
61	Remotely Gated InGaAs Single-Photon Detector at 1550 nm. IEEE Photonics Technology Letters, 2020, 32, 129-131.	1.3	1
62	The $\hat{R}^{\hat{\rho}}$ function and its applications: disentropy, image processing and the $\hat{\rho}$ -diode. European Physical Journal Plus, 2022, 137, 1.	1.2	1
63	A setup for quantum cryptography using an all-optical chaotically produced key. Microwave and Optical Technology Letters, 2000, 24, 79-81.	0.9	0
64	Synchronization of Nonlinear Fiber Ring Resonators using Fuzzy Controllers. Journal of Optical Communications, 2001, 22, .	4.0	0
65	Theory of single-photon detectors employing smart strategies of detection. Journal of Modern Optics, 2005, 52, 2613-2623.	0.6	0
66	Quantum noisy channel modeled by canonical unitary operation in two qubits. , 2006, , .		0
67	Spectral analysis of the current of avalanche photodiodes working in the Geiger mode. , 2009, , .		0
68	Zero knowledge protocol in a radio over fiber network. , 2009, , .		0
69	Setups for harmonics generation using optical modulators. Microwave and Optical Technology Letters, 2012, 54, 519-521.	0.9	0
70	On the role of the four-qubit state in two-qubit gate teleportation. Quantum Information Processing, 2016, 15, 2125-2135.	1.0	0
71	Multiphoton pulses and homodyne tomography attack in quantum-chaotic key distribution. Optical and Quantum Electronics, 2020, 52, 1.	1.5	0
72	Approaching Single-Photon Pulses with Weak Coherent States and Nonlinear Phase Modulation. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
73	A Proposal for Single-Photon Detection in Millimeter-Wave and THz Regions. , 2021, , .		0