

Dominique Elser

List of Publications by Year in descending order

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43
papers

3,009
citations

361413

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26
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all docs

44
docs citations

44
times ranked

2298
citing authors

#	ARTICLE	IF	CITATIONS
1	Hacking commercial quantum cryptography systems by tailored bright illumination. <i>Nature Photonics</i> , 2010, 4, 686-689.	31.4	844
2	High-dimensional intracity quantum cryptography with structured photons. <i>Optica</i> , 2017, 4, 1006.	9.3	330
3	Naturally Phase-Matched Second-Harmonic Generation in a Whispering-Gallery-Mode Resonator. <i>Physical Review Letters</i> , 2010, 104, 153901.	7.8	233
4	Device Calibration Impacts Security of Quantum Key Distribution. <i>Physical Review Letters</i> , 2011, 107, 110501.	7.8	194
5	Low-Threshold Optical Parametric Oscillations in a Whispering Gallery Mode Resonator. <i>Physical Review Letters</i> , 2010, 105, 263904.	7.8	149
6	Free-space propagation of high-dimensional structured optical fields in an urban environment. <i>Science Advances</i> , 2017, 3, e1700552.	10.3	147
7	Quantum Light from a Whispering-Gallery-Mode Disk Resonator. <i>Physical Review Letters</i> , 2011, 106, 113901.	7.8	132
8	After-gate attack on a quantum cryptosystem. <i>New Journal of Physics</i> , 2011, 13, 013043.	2.9	128
9	Thermal blinding of gated detectors in quantum cryptography. <i>Optics Express</i> , 2010, 18, 27938.	3.4	113
10	Entangling Different Degrees of Freedom by Quadrature Squeezing Cylindrically Polarized Modes. <i>Physical Review Letters</i> , 2011, 106, 060502.	7.8	111
11	Quantum-limited measurements of optical signals from a geostationary satellite. <i>Optica</i> , 2017, 4, 611.	9.3	105
12	Reduction of Guided Acoustic Wave Brillouin Scattering in Photonic Crystal Fibers. <i>Physical Review Letters</i> , 2006, 97, 133901.	7.8	89
13	Feasibility of free space quantum key distribution with coherent polarization states. <i>New Journal of Physics</i> , 2009, 11, 045014.	2.9	79
14	Attacks on practical quantum key distribution systems (and how to prevent them). <i>Contemporary Physics</i> , 2016, 57, 366-387.	1.8	63
15	Avoiding the blinding attack in QKD. <i>Nature Photonics</i> , 2010, 4, 801-801.	31.4	45
16	Atmospheric channel characteristics for quantum communication with continuous polarization variables. <i>Applied Physics B: Lasers and Optics</i> , 2010, 98, 635-640.	2.2	39
17	Space QUEST mission proposal: experimentally testing decoherence due to gravity. <i>New Journal of Physics</i> , 2018, 20, 063016.	2.9	36
18	Birefringence and dispersion of cylindrically polarized modes in nanobore photonic crystal fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 193.	2.1	34

#	ARTICLE	IF	CITATIONS
19	Fading channel estimation for free-space continuous-variable secure quantum communication. New Journal of Physics, 2019, 21, 123036.	2.9	33
20	Stabilization of transmittance fluctuations caused by beam wandering in continuous-variable quantum communication over free-space atmospheric channels. Optics Express, 2018, 26, 31106.	3.4	22
21	Witnessing effective entanglement over a 2km fiber channel. Optics Express, 2010, 18, 4499.	3.4	17
22	Quantum filtering of optical coherent states. Physical Review A, 2008, 78, .	2.5	15
23	Depolarized guided acoustic wave Brillouin scattering in hollow-core photonic crystal fibers. Optics Express, 2015, 23, 27707.	3.4	14
24	Soliton propagation in an absorbing three-level atomic system. Laser Physics Letters, 2004, 1, 391-396.	1.4	13
25	Satellite Quantum Communication via the Alphasat Laser Communication Terminal - Quantum Signals from 36 thousand kilometers above Earth. , 2015, , .		10
26	Guided acoustic wave Brillouin scattering in photonic crystal fibers. Journal of Physics: Conference Series, 2007, 92, 012108.	0.4	6
27	Quantum communication with coherent states of light. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160235.	3.4	4
28	Quantum Key Distribution with Heterodyne Detection. , 2009, , .		2
29	Free space quantum key distribution with coherent polarization states. , 2009, , .		1
30	Naturally Phase Matched Second Harmonic Generation in a Whispering Gallery Mode Resonator. , 2010, , .		1
31	GAWBS noise reduction in microstructured fibers. , 0, , .		0
32	Reduction of Guided Acoustic Wave Brillouin Scattering in Photonic Crystal Fibers. , 2007, , .		0
33	Quantum effects in non linear optics. , 2007, , .		0
34	Noiseless Filtering of non-Gaussian Noise from Continuous-Variable Quantum Information. , 2007, , .		0
35	Nanobore PCF Maintaining Cylindrically Polarized Modes. , 2010, , .		0
36	Free Space Quantum Communication with Continuous Polarization Variables. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
37	Inducing a detector efficiency mismatch to hack a commercial quantum key distribution system. , 2011, , .		0
38	Polarization noise induced by photon-phonon interaction in hollow-core photonic crystal fibres. , 2011, , .		0
39	Low-threshold optical parametric oscillations in a whispering gallery mode resonator. , 2011, , .		0
40	Quantum Communication in Space. , 2014, , .		0
41	Laser based bi-directional Gbit ground links with the Tesat transportable adaptive optical ground station. , 2017, , .		0
42	Quantum-limited measurements of optical signals from a satellite in geostationary earth orbit. , 2017, , .		0
43	Witnessing Effective Entanglement over 2km of Optical Fiber. , 2010, , .		0