

# Dominique Elser

## List of Publications by Year in descending order

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43  
papers

3,009  
citations

361413

20  
h-index

552781

26  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fading channel estimation for free-space continuous-variable secure quantum communication. New Journal of Physics, 2019, 21, 123036.	2.9	33
2	Space QUEST mission proposal: experimentally testing decoherence due to gravity. New Journal of Physics, 2018, 20, 063016.	2.9	36
3	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
4	Laser based bi-directional Gbit ground links with the Tesat transportable adaptive optical ground station. , 2017, , .		0
5	Free-space propagation of high-dimensional structured optical fields in an urban environment. Science Advances, 2017, 3, e1700552.	10.3	147
6	Quantum communication with coherent states of light. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160235.	3.4	4
7	Quantum-limited measurements of optical signals from a geostationary satellite. Optica, 2017, 4, 611.	9.3	105
8	High-dimensional intracity quantum cryptography with structured photons. Optica, 2017, 4, 1006.	9.3	330
9	Quantum-limited measurements of optical signals from a satellite in geostationary earth orbit. , 2017, , .		0
10	Attacks on practical quantum key distribution systems (and how to prevent them). Contemporary Physics, 2016, 57, 366-387.	1.8	63
11	Satellite Quantum Communication via the Alphasat Laser Communication Terminal - Quantum Signals from 36 thousand kilometers above Earth. , 2015, , .		10
12	Depolarized guided acoustic wave Brillouin scattering in hollow-core photonic crystal fibers. Optics Express, 2015, 23, 27707.	3.4	14
13	Quantum Communication in Space. , 2014, , .		0
14	Device Calibration Impacts Security of Quantum Key Distribution. Physical Review Letters, 2011, 107, 110501.	7.8	194
15	Entangling Different Degrees of Freedom by Quadrature Squeezing Cylindrically Polarized Modes. Physical Review Letters, 2011, 106, 060502.	7.8	111
16	Birefringence and dispersion of cylindrically polarized modes in nanobore photonic crystal fiber. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 193.	2.1	34
17	After-gate attack on a quantum cryptosystem. New Journal of Physics, 2011, 13, 013043.	2.9	128
18	Quantum Light from a Whispering-Gallery-Mode Disk Resonator. Physical Review Letters, 2011, 106, 113901.	7.8	132

#	ARTICLE	IF	CITATIONS
19	Inducing a detector efficiency mismatch to hack a commercial quantum key distribution system. , 2011, , .		0
20	Polarization noise induced by photon-phonon interaction in hollow-core photonic crystal fibres. , 2011, , .		0
21	Low-threshold optical parametric oscillations in a whispering gallery mode resonator. , 2011, , .		0
22	Nanobore PCF Maintaining Cylindrically Polarized Modes. , 2010, , .		0
23	Atmospheric channel characteristics for quantum communication with continuous polarization variables. Applied Physics B: Lasers and Optics, 2010, 98, 635-640.	2.2	39
24	Hacking commercial quantum cryptography systems by tailored bright illumination. Nature Photonics, 2010, 4, 686-689.	31.4	844
25	Avoiding the blinding attack in QKD. Nature Photonics, 2010, 4, 801-801.	31.4	45
26	Naturally Phase-Matched Second-Harmonic Generation in a Whispering-Gallery-Mode Resonator. Physical Review Letters, 2010, 104, 153901.	7.8	233
27	Low-Threshold Optical Parametric Oscillations in a Whispering Gallery Mode Resonator. Physical Review Letters, 2010, 105, 263904.	7.8	149
28	Free Space Quantum Communication with Continuous Polarization Variables. , 2010, , .		0
29	Witnessing effective entanglement over a 2km fiber channel. Optics Express, 2010, 18, 4499.	3.4	17
30	Thermal blinding of gated detectors in quantum cryptography. Optics Express, 2010, 18, 27938.	3.4	113
31	Naturally Phase Matched Second Harmonic Generation in a Whispering Gallery Mode Resonator. , 2010, , .		1
32	Witnessing Effective Entanglement over 2km of Optical Fiber. , 2010, , .		0
33	Free space quantum key distribution with coherent polarization states. , 2009, , .		1
34	Quantum Key Distribution with Heterodyne Detection. , 2009, , .		2
35	Feasibility of free space quantum key distribution with coherent polarization states. New Journal of Physics, 2009, 11, 045014.	2.9	79
36	Quantum filtering of optical coherent states. Physical Review A, 2008, 78, .	2.5	15

#	ARTICLE	IF	CITATIONS
37	Guided acoustic wave Brillouin scattering in photonic crystal fibers. Journal of Physics: Conference Series, 2007, 92, 012108.	0.4	6
38	Reduction of Guided Acoustic Wave Brillouin Scattering in Photonic Crystal Fibers. , 2007, , .		0
39	Quantum effects in non linear optics. , 2007, , .		0
40	Noiseless Filtering of non-Gaussian Noise from Continuous-Variable Quantum Information. , 2007, , .		0
41	Reduction of Guided Acoustic Wave Brillouin Scattering in Photonic Crystal Fibers. Physical Review Letters, 2006, 97, 133901.	7.8	89
42	Soliton propagation in an absorbing three-level atomic system. Laser Physics Letters, 2004, 1, 391-396.	1.4	13
43	GAWBS noise reduction in microstructured fibers. , 0, , .		0