

# Carlos Abellán

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7718349/publications.pdf>

Version: 2024-02-01

15  
papers

4,042  
citations

840585

11  
h-index

1199470

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

2805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum technologies in the telecommunications industry. EPJ Quantum Technology, 2021, 8, .	2.9	28
2	Device-independent randomness expansion with entangled photons. Nature Physics, 2021, 17, 452-456.	6.5	39
3	Experimental Low-Latency Device-Independent Quantum Randomness. Physical Review Letters, 2020, 124, 010505.	2.9	31
4	Experimental measurement-dependent local Bell test with human free will. Physical Review A, 2019, 99, .	1.0	2
5	Interferometric photodetection in silicon photonics for phase diffusion quantum entropy sources. Optics Express, 2018, 26, 31957.	1.7	15
6	A significant-loophole-free test of Bell's theorem with entangled photons. , 2017, , .		0
7	Quantum entropy source on an InP photonic integrated circuit for random number generation. Optica, 2016, 3, 989.	4.8	84
8	A strong loophole-free test of local realism. , 2016, , .		1
9	Strong Loophole-Free Test of Local Realism. Physical Review Letters, 2015, 115, 250402.	2.9	910
10	Generation of Fresh and Pure Random Numbers for Loophole-Free Bell Tests. Physical Review Letters, 2015, 115, 250403.	2.9	88
11	Significant-Loophole-Free Test of Bell's Theorem with Entangled Photons. Physical Review Letters, 2015, 115, 250401.	2.9	932
12	Strong experimental guarantees in ultrafast quantum random number generation. Physical Review A, 2015, 91, .	1.0	36
13	Loophole-free Bell inequality violation using electron spins separated by 1.3 kilometres. Nature, 2015, 526, 682-686.	13.7	1,762
14	Ultra-fast quantum randomness generation by accelerated phase diffusion in a pulsed laser diode. Optics Express, 2014, 22, 1645.	1.7	114
15	Ultrafast Quantum Random Number Generation Using Off-the-shelf Components. , 2014, , .		0