

John Matthew Donohue

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

568
citations

687363

13
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring nonlinear processes for quantum optics with pulsed temporal-mode encodings. <i>Optica</i> , 2018, 5, 534.	9.3	92
2	Direct Characterization of Ultrafast Energy-Time Entangled Photon Pairs. <i>Physical Review Letters</i> , 2018, 120, 053601.	7.8	85
3	Coherent Ultrafast Measurement of Time-Bin Encoded Photons. <i>Physical Review Letters</i> , 2013, 111, 153602.	7.8	67
4	³⁵ Cl solid-state NMR of HCl salts of active pharmaceutical ingredients: structural prediction, spectral fingerprinting and polymorph recognition. <i>CrystEngComm</i> , 2014, 16, 7334-7356.	2.6	51
5	Tomography and Purification of the Temporal-Mode Structure of Quantum Light. <i>Physical Review Letters</i> , 2018, 120, 213601.	7.8	51
6	High-performance source of spectrally pure, polarization entangled photon pairs based on hybrid integrated-bulk optics. <i>Optics Express</i> , 2018, 26, 32475.	3.4	41
7	Achieving the Ultimate Quantum Timing Resolution. <i>PRX Quantum</i> , 2021, 2, .	9.2	39
8	Building a Quantum Engineering Undergraduate Program. <i>IEEE Transactions on Education</i> , 2022, 65, 220-242.	2.4	30
9	Identifying nonconvexity in the sets of limited-dimension quantum correlations. <i>Physical Review A</i> , 2015, 92, .	2.5	25
10	Theory of high-efficiency sum-frequency generation for single-photon waveform conversion. <i>Physical Review A</i> , 2015, 91, .	2.5	24
11	Ultrafast Time-Division Demultiplexing of Polarization-Entangled Photons. <i>Physical Review Letters</i> , 2014, 113, 163602.	7.8	22
12	Ultrafast quantum interferometry with energy-time entangled photons. <i>Physical Review A</i> , 2018, 97, .	2.5	15
13	Reliable entanglement verification. <i>Physical Review A</i> , 2013, 87, .	2.5	14
14	Streak camera imaging of single photons at telecom wavelength. <i>Applied Physics Letters</i> , 2018, 112, 031110.	3.3	6
15	Remotely projecting states of photonic temporal modes. <i>Optics Express</i> , 2020, 28, 28295.	3.4	6
16	Quantum-Limited Time-Frequency Multiparameter Estimation through Mode-Selective Photon Measurement. , 2019, , .		0
17	Bandwidth Compression of Single Photons using Chirped Laser Pulses. , 2012, , .		0
18	Ultrafast coherent measurement of time-bin qubits using chirped-pulse upconversion. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Ultrafast Time-to-Frequency Demultiplexing of Polarization-Entangled Photons. , 2015, , .		0