

Yong Siah Teo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3241337/publications.pdf>

Version: 2024-02-01

46
papers

510
citations

687363

13
h-index

752698

20
g-index

47
all docs

47
docs citations

47
times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	Emulation of quantum measurements with mixtures of coherent states. <i>Physical Review A</i> , 2022, 105, .	2.5	1
2	All-Photonic Architecture for Scalable Quantum Computing with Greenberger-Horne-Zeilinger States. <i>PRX Quantum</i> , 2022, 3, .	9.2	11
3	Randomized Compressive State Tomography in Time and Frequency Using a Quantum Pulse Gate. , 2021, , .		0
4	Highly photon-loss-tolerant quantum computing using hybrid qubits. <i>Physical Review A</i> , 2021, 103, .	2.5	7
5	Highly accurate Gaussian process tomography with geometrical sets of coherent states. <i>New Journal of Physics</i> , 2021, 23, 063024.	2.9	1
6	Randomized Compressive State Tomography with No A-priori Information Using a Quantum Pulse Gate in Time and Frequency. , 2021, , .		0
7	Benchmarking quantum tomography completeness and fidelity with machine learning. <i>New Journal of Physics</i> , 2021, 23, 103021.	2.9	10
8	Modern compressive tomography for quantum information science. <i>International Journal of Quantum Information</i> , 2021, 19, .	1.1	5
9	Universal compressive tomography in the time-frequency domain. <i>Optica</i> , 2021, 8, 1296.	9.3	12
10	Time-Frequency Randomized Compressive Tomography Using a Quantum Pulse Gate. , 2021, , .		0
11	Resource-Efficient Topological Fault-Tolerant Quantum Computation with Hybrid Entanglement of Light. <i>Physical Review Letters</i> , 2020, 125, 060501.	7.8	23
12	Universal Compressive Characterization of Quantum Dynamics. <i>Physical Review Letters</i> , 2020, 124, 210401.	7.8	19
13	Objective compressive quantum process tomography. <i>Physical Review A</i> , 2020, 101, .	2.5	22
14	Compressively Certifying Quantum Measurements. <i>PRX Quantum</i> , 2020, 1, .	9.2	8
15	Adaptive compressive tomography: A numerical study. <i>Physical Review A</i> , 2019, 100, .	2.5	16
16	Efficient Bayesian credible-region certification for quantum-state tomography. <i>Physical Review A</i> , 2019, 100, .	2.5	5
17	Probing Bayesian Credible Regions Intrinsically: A Feasible Error Certification for Physical Systems. <i>Physical Review Letters</i> , 2019, 123, 040602.	7.8	2
18	On the Prospects of Multiport Devices for Photon-Number-Resolving Detection. <i>Quantum Reports</i> , 2019, 1, 162-180.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Adaptive Compressive Tomography with No <i>a</i> priori Information. <i>Physical Review Letters</i> , 2019, 122, 100404.	7.8	36
20	Compressed sensing of twisted photons. <i>Optics Express</i> , 2019, 27, 17426.	3.4	4
21	Bayesian error regions in quantum estimation I: analytical reasonings. <i>New Journal of Physics</i> , 2018, 20, 093009.	2.9	6
22	Bayesian error regions in quantum estimation II: region accuracy and adaptive methods. <i>New Journal of Physics</i> , 2018, 20, 093010.	2.9	3
23	Joint measurement of complementary observables in moment tomography. <i>International Journal of Quantum Information</i> , 2017, 15, 1740002.	1.1	0
24	Superiority of heterodyning over homodyning: An assessment with quadrature moments. <i>Physical Review A</i> , 2017, 95, .	2.5	7
25	Progress toward optimal quantum tomography with unbalanced homodyning. <i>Physical Review A</i> , 2017, 96, .	2.5	2
26	Extracting the physical sector of quantum states. <i>New Journal of Physics</i> , 2017, 19, 093008.	2.9	1
27	Crystallizing highly-likely subspaces that contain an unknown quantum state of light. <i>Scientific Reports</i> , 2016, 6, 38123.	3.3	1
28	Evading Vacuum Noise: Wigner Projections or Husimi Samples?. <i>Physical Review Letters</i> , 2016, 117, 070801.	7.8	15
29	Fast universal performance certification of measurement schemes for quantum tomography. <i>Physical Review A</i> , 2016, 94, .	2.5	3
30	Optical resolution from Fisher information. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	14
31	Overcoming Vacuum Noise: The Unforeseen Benefits of Quantum Heterodyne Detection. , 2016, , .		0
32	Bayesian recursive data-pattern tomography. <i>Physical Review A</i> , 2015, 92, .	2.5	10
33	Least-bias state estimation with incomplete unbiased measurements. <i>Physical Review A</i> , 2015, 92, .	2.5	1
34	Surmounting intrinsic quantum-measurement uncertainties in Gaussian-state tomography with quadrature squeezing. <i>Scientific Reports</i> , 2015, 5, 12289.	3.3	13
35	Determining which quantum measurement performs better for state estimation. <i>Physical Review A</i> , 2015, 92, .	2.5	10
36	Experimental Detection of Entanglement with Optimal-Witness Families. <i>Physical Review Letters</i> , 2014, 113, 170402.	7.8	18

#	ARTICLE	IF	CITATIONS
37	Coarse-grained quantum state estimation for noisy measurements. <i>Physical Review A</i> , 2013, 88, .	2.5	3
38	Controllable generation of mixed two-photon states. <i>New Journal of Physics</i> , 2013, 15, 063011.	2.9	5
39	Informationally incomplete quantum tomography. <i>Quantum Measurements and Quantum Metrology</i> , 2013, 1, 57-83.	3.3	9
40	Verification of state and entanglement with incomplete tomography. <i>New Journal of Physics</i> , 2012, 14, 105020.	2.9	5
41	Incomplete quantum state estimation: A comprehensive study. <i>Physical Review A</i> , 2012, 85, .	2.5	29
42	Quantum-State Reconstruction by Maximizing Likelihood and Entropy. <i>Physical Review Letters</i> , 2011, 107, 020404.	7.8	85
43	Adaptive schemes for incomplete quantum process tomography. <i>Physical Review A</i> , 2011, 84, .	2.5	22
44	Two-qubit symmetric informationally complete positive-operator-valued measures. <i>Physical Review A</i> , 2010, 82, .	2.5	17
45	Product measurements and fully symmetric measurements in qubit-pair tomography: A numerical study. <i>Optics Communications</i> , 2010, 283, 724-729.	2.1	3
46	Minimal tomography with entanglement witnesses. <i>Physical Review A</i> , 2010, 81, .	2.5	14