

Kai Chen

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

5,203
citations

236925

25
h-index

138484

58
g-index

61
all docs

61
docs citations

61
times ranked

3471
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoy State Quantum Key Distribution. Physical Review Letters, 2005, 94, 230504.	7.8	1,658
2	An integrated space-to-ground quantum communication network over 4,600 kilometres. Nature, 2021, 589, 214-219.	27.8	415
3	Experimental demonstration of a heralded entanglement source. Nature Photonics, 2010, 4, 549-552.	31.4	357
4	Experimental free-space quantum teleportation. Nature Photonics, 2010, 4, 376-381.	31.4	283
5	Direct and full-scale experimental verifications towards ground-to-satellite quantum key distribution. Nature Photonics, 2013, 7, 387-393.	31.4	247
6	Concurrence of Arbitrary Dimensional Bipartite Quantum States. Physical Review Letters, 2005, 95, 040504.	7.8	239
7	Field test of a practical secure communication network with decoy-state quantum cryptography. Optics Express, 2009, 17, 6540.	3.4	190
8	Decoy-state quantum key distribution with polarized photons over 200 km. Optics Express, 2010, 18, 8587.	3.4	182
9	Experimental Realization of One-Way Quantum Computing with Two-Photon Four-Qubit Cluster States. Physical Review Letters, 2007, 99, 120503.	7.8	165
10	Metropolitan all-pass and inter-city quantum communication network. Optics Express, 2010, 18, 27217.	3.4	165
11	Entanglement of Formation of Bipartite Quantum States. Physical Review Letters, 2005, 95, 210501.	7.8	124
12	Genuine High-Order Einstein-Podolsky-Rosen Steering. Physical Review Letters, 2015, 115, 010402.	7.8	107
13	Multistage Entanglement Swapping. Physical Review Letters, 2008, 101, 080403.	7.8	101
14	Evidence for the Growth Mechanisms of Silver Nanocubes and Nanowires. Journal of Physical Chemistry C, 2011, 115, 7979-7986.	3.1	91
15	The generalized partial transposition criterion for separability of multipartite quantum states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 306, 14-20.	2.1	90
16	Experimental Demonstration of Counterfactual Quantum Communication. Physical Review Letters, 2012, 109, 030501.	7.8	60
17	Decoy-state quantum key distribution with two-way classical postprocessing. Physical Review A, 2006, 74, .	2.5	55
18	A Real-Time QKD System Based on FPGA. Journal of Lightwave Technology, 2012, 30, 3226-3234.	4.6	52

#	ARTICLE	IF	CITATIONS
19	Experimental multiplexing of quantum key distribution with classical optical communication. Applied Physics Letters, 2015, 106, .	3.3	52
20	Generalized reduction criterion for separability of quantum states. Physical Review A, 2003, 68, .	2.5	50
21	Certifying Einstein-Podolsky-Rosen steering via the local uncertainty principle. Physical Review A, 2016, 93, .	2.5	46
22	Test for entanglement using physically observable witness operators and positive maps. Physical Review A, 2004, 69, .	2.5	40
23	Template-Free and Scalable Synthesis of Core-Shell and Hollow BaTiO ₃ Particles: Using Molten Hydrated Salt as a Solvent. Crystal Growth and Design, 2009, 9, 4927-4932.	3.0	40
24	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. Physical Review Letters, 2017, 119, 060501.	7.8	35
25	Concurrence-Based Entanglement Measure For Werner States. Reports on Mathematical Physics, 2006, 58, 325-334.	0.8	27
26	Experimental determination of entanglement for arbitrary pure states. Physical Review A, 2009, 80, .	2.5	25
27	Verifying Genuine High-Order Entanglement. Physical Review Letters, 2010, 105, 210504.	7.8	25
28	Phase-Matching Quantum Cryptographic Conferencing. Physical Review Applied, 2020, 14, .	3.8	21
29	Two-setting Bell inequalities for many qubits. Physical Review A, 2006, 74, .	2.5	20
30	Human Hyperekplexic Mutations in Glycine Receptors Disinhibit the Brainstem by Hijacking GABAA Receptors. IScience, 2019, 19, 634-646.	4.1	18
31	Entanglement of formation and concurrence for mixed states. Frontiers of Computer Science, 2008, 2, 114-128.	0.6	17
32	Multiphoton Graph States from a Solid-State Single-Photon Source. ACS Photonics, 2020, 7, 1603-1610.	6.6	16
33	Proof-of-principle demonstration of compiled Shor's algorithm using a quantum dot single-photon source. Optics Express, 2020, 28, 18917.	3.4	15
34	One-sided measurement-device-independent quantum key distribution. Physical Review A, 2018, 97, .	2.5	12
35	Cannabinoids Rescue Cocaine-Induced Seizures by Restoring Brain Glycine Receptor Dysfunction. Cell Reports, 2020, 30, 4209-4219.e7.	6.4	12
36	Measurement-Device-Independent Entanglement Witness of Tripartite Entangled States and Its Applications. Physical Review Letters, 2020, 124, 160503.	7.8	12

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37	Integrability of the Cn and BCn Ruijsenaars-Schneider models. Journal of Mathematical Physics, 2000, 41, 8132-8147.	1.1	11
38	Elliptic Ruijsenaars-Schneider and Calogero-Moser Models Represented by Sklyanin Algebra and Gaudin Algebra. Progress of Theoretical Physics Supplement, 1999, 135, 149-165.	0.1	10
39	Nonlocal games and optimal steering at the boundary of the quantum set. Physical Review A, 2016, 94, .	2.5	10
40	A phyto-reduction route for selective synthesis of highly stable Ag and Ag:AgCl hybrid nanocolloids. CrystEngComm, 2012, 14, 7621.	2.6	9
41	A selective and sensitive peptide-based fluorescent chemical DSH sensor for detection of zinc ions and application <i>in vitro</i> and <i>in vivo</i> . New Journal of Chemistry, 2019, 43, 3071-3077.	2.8	9
42	Robust Self-Testing of Multiparticle Entanglement. Physical Review Letters, 2021, 127, 230503.	7.8	9
43	Qudit hypergraph states and their properties. Physical Review A, 2018, 97, .	2.5	8
44	The Einstein-Podolsky-Rosen Steering and Its Certification. Entropy, 2019, 21, 422.	2.2	8
45	Experimentally Verified Approach to Nonentanglement-Breaking Channel Certification. Physical Review Letters, 2020, 124, 010502.	7.8	8
46	The Dn Ruijsenaars-Schneider model. Journal of Physics A, 2001, 34, 7579-7589.	1.6	7
47	Band-rejection and bandpass filters based on mechanically induced long-period fiber gratings. Microwave and Optical Technology Letters, 2004, 42, 15-17.	1.4	7
48	Optimized detection of steering via linear criteria for arbitrary-dimensional states. Physical Review A, 2017, 95, .	2.5	7
49	Efficient linear criterion for witnessing Einstein-Podolsky-Rosen nonlocality under many-setting local measurements. Physical Review A, 2017, 95, .	2.5	6
50	The Lax pairs for elliptic Cn and BCn Ruijsenaars-Schneider models and their spectral curves. Journal of Mathematical Physics, 2001, 42, 4894-4914.	1.1	4
51	Conference key agreement and quantum sharing of classical secrets with noisy GHZ states. , 2005, , .		4
52	The Soft X-ray Polarimeter and Applications at BSRF. AIP Conference Proceedings, 2010, , .	0.4	4
53	Open-Destination Measurement-Device-Independent Quantum Key Distribution Network. Entropy, 2020, 22, 1083.	2.2	4
54	A novel interleaver based on dual-pass Mach-Zehnder interferometer. Microwave and Optical Technology Letters, 2004, 42, 253-255.	1.4	3

