

# Kai Chen

## List of Publications by Year in descending order

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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	An integrated space-to-ground quantum communication network over 4,600 kilometres. <i>Nature</i> , 2021, 589, 214-219.	27.8	415
2	Entanglement-free witnessing of quantum incompatibility in a high-dimensional system. <i>Physical Review Research</i> , 2021, 3, .	3.6	3
3	Robust Self-Testing of Multipartite Entanglement. <i>Physical Review Letters</i> , 2021, 127, 230503.	7.8	9
4	Experimentally Verified Approach to Nonentanglement-Breaking Channel Certification. <i>Physical Review Letters</i> , 2020, 124, 010502.	7.8	8
5	Open-Destination Measurement-Device-Independent Quantum Key Distribution Network. <i>Entropy</i> , 2020, 22, 1083.	2.2	4
6	Phase-Matching Quantum Cryptographic Conferencing. <i>Physical Review Applied</i> , 2020, 14, .	3.8	21
7	Unified approach to witness non-entanglement-breaking quantum channels. <i>Physical Review A</i> , 2020, 101, .	2.5	2
8	Multiphoton Graph States from a Solid-State Single-Photon Source. <i>ACS Photonics</i> , 2020, 7, 1603-1610.	6.6	16
9	Cannabinoids Rescue Cocaine-Induced Seizures by Restoring Brain Glycine Receptor Dysfunction. <i>Cell Reports</i> , 2020, 30, 4209-4219.e7.	6.4	12
10	Measurement-Device-Independent Entanglement Witness of Tripartite Entangled States and Its Applications. <i>Physical Review Letters</i> , 2020, 124, 160503.	7.8	12
11	Proof-of-principle demonstration of compiled Shor's algorithm using a quantum dot single-photon source. <i>Optics Express</i> , 2020, 28, 18917.	3.4	15
12	Higher amounts of loophole-free Bell violation using a heralded entangled source. <i>New Journal of Physics</i> , 2019, 21, 103008.	2.9	3
13	Human Hyperekplexic Mutations in Glycine Receptors Disinhibit the Brainstem by Hijacking GABAA Receptors. <i>iScience</i> , 2019, 19, 634-646.	4.1	18
14	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> . <i>New Journal of Chemistry</i> , 2019, 43, 3071-3077.	2.8	9
15	The Einstein-Podolsky-Rosen Steering and Its Certification. <i>Entropy</i> , 2019, 21, 422.	2.2	8
16	One-sided measurement-device-independent quantum key distribution. <i>Physical Review A</i> , 2018, 97, .	2.5	12
17	Qudit hypergraph states and their properties. <i>Physical Review A</i> , 2018, 97, .	2.5	8
18	Efficient linear criterion for witnessing Einstein-Podolsky-Rosen nonlocality under many-setting local measurements. <i>Physical Review A</i> , 2017, 95, .	2.5	6

#	ARTICLE	IF	CITATIONS
19	Optimized detection of steering via linear criteria for arbitrary-dimensional states. <i>Physical Review A</i> , 2017, 95, .	2.5	7
20	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. <i>Physical Review Letters</i> , 2017, 119, 060501.	7.8	35
21	Nonlocal games and optimal steering at the boundary of the quantum set. <i>Physical Review A</i> , 2016, 94, .	2.5	10
22	Certifying Einstein-Podolsky-Rosen steering via the local uncertainty principle. <i>Physical Review A</i> , 2016, 93, .	2.5	46
23	Randomness expansion with a one-sided trusted device. <i>Physical Review A</i> , 2015, 91, .	2.5	0
24	Genuine High-Order Einstein-Podolsky-Rosen Steering. <i>Physical Review Letters</i> , 2015, 115, 010402.	7.8	107
25	Experimental multiplexing of quantum key distribution with classical optical communication. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	52
26	ãŸ°ã°ŽãĎã¼/4ã½“é†âç,1çš,,ã•ã...%ãæ°ãžŸç†ã€ã©žçŽ°ã’Ĉã%ãæ™”. <i>Scientia Sinica Informationis</i> , 2014, 44, 394-409	4.0	1
27	Direct and full-scale experimental verifications towards groundã€“satellite quantum key distribution. <i>Nature Photonics</i> , 2013, 7, 387-393.	31.4	247
28	A phyto-reduction route for selective synthesis of highly stable Ag and Ag:AgCl hybrid nanocolloids. <i>CrystEngComm</i> , 2012, 14, 7621.	2.6	9
29	Experimental Demonstration of Counterfactual Quantum Communication. <i>Physical Review Letters</i> , 2012, 109, 030501.	7.8	60
30	A Real-Time QKD System Based on FPGA. <i>Journal of Lightwave Technology</i> , 2012, 30, 3226-3234.	4.6	52
31	Evidence for the Growth Mechanisms of Silver Nanocubes and Nanowires. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7979-7986.	3.1	91
32	The Soft X-ray Polarimeter and Applications at BSRF. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	4
33	Experimental demonstration of a heralded entanglement source. <i>Nature Photonics</i> , 2010, 4, 549-552.	31.4	357
34	Experimental free-space quantum teleportation. <i>Nature Photonics</i> , 2010, 4, 376-381.	31.4	283
35	Verifying Genuine High-Order Entanglement. <i>Physical Review Letters</i> , 2010, 105, 210504.	7.8	25
36	Decoy-state quantum key distribution with polarized photons over 200 km. <i>Optics Express</i> , 2010, 18, 8587.	3.4	182

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37	Metropolitan all-pass and inter-city quantum communication network. <i>Optics Express</i> , 2010, 18, 27217.	3.4	165
38	Experimental determination of entanglement for arbitrary pure states. <i>Physical Review A</i> , 2009, 80, .	2.5	25
39	Template-Free and Scalable Synthesis of Core-Shell and Hollow BaTiO <sub>3</sub> Particles: Using Molten Hydrated Salt as a Solvent. <i>Crystal Growth and Design</i> , 2009, 9, 4927-4932.	3.0	40
40	Field test of a practical secure communication network with decoy-state quantum cryptography. <i>Optics Express</i> , 2009, 17, 6540.	3.4	190
41	Entanglement of formation and concurrence for mixed states. <i>Frontiers of Computer Science</i> , 2008, 2, 114-128.	0.6	17
42	Multistage Entanglement Swapping. <i>Physical Review Letters</i> , 2008, 101, 080403.	7.8	101
43	Experimental Realization of One-Way Quantum Computing with Two-Photon Four-Qubit Cluster States. <i>Physical Review Letters</i> , 2007, 99, 120503.	7.8	165
44	Concurrence-Based Entanglement Measure For Werner States. <i>Reports on Mathematical Physics</i> , 2006, 58, 325-334.	0.8	27
45	Two-setting Bell inequalities for many qubits. <i>Physical Review A</i> , 2006, 74, .	2.5	20
46	Decoy-state quantum key distribution with two-way classical postprocessing. <i>Physical Review A</i> , 2006, 74, .	2.5	55
47	Conference key agreement and quantum sharing of classical secrets with noisy GHZ states. , 2005, , .		4
48	Decoy State Quantum Key Distribution. <i>Physical Review Letters</i> , 2005, 94, 230504.	7.8	1,658
49	Entanglement of Formation of Bipartite Quantum States. <i>Physical Review Letters</i> , 2005, 95, 210501.	7.8	124
50	Concurrence of Arbitrary Dimensional Bipartite Quantum States. <i>Physical Review Letters</i> , 2005, 95, 040504.	7.8	239
51	Test for entanglement using physically observable witness operators and positive maps. <i>Physical Review A</i> , 2004, 69, .	2.5	40
52	Band-rejection and bandpass filters based on mechanically induced long-period fiber gratings. <i>Microwave and Optical Technology Letters</i> , 2004, 42, 15-17.	1.4	7
53	A novel interleaver based on dual-pass Mach-Zehnder interferometer. <i>Microwave and Optical Technology Letters</i> , 2004, 42, 253-255.	1.4	3
54	Generalized reduction criterion for separability of quantum states. <i>Physical Review A</i> , 2003, 68, .	2.5	50

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55	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
56	The Ruijsenaars-Schneider model. Journal of Physics A, 2001, 34, 7579-7589.	1.6	7
57	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
58	LAX PAIRS AND INVOLUTIVE HAMILTONIANS FOR C<sub>N</sub> AND BC<sub>N</sub> RUIJSENAARS-SCHNEIDER MODELS. , 2001, , .		0
59	Integrability of the Cn and BCn Ruijsenaars-Schneider models. Journal of Mathematical Physics, 2000, 41, 8132-8147.	1.1	11
60	Nondynamical $r$ -Matrix Structure of the $sl_2$ Trigonometric Ruijsenaars-Schneider Model. Chinese Physics Letters, 1999, 16, 1-3.	3.3	2
61	Elliptic Ruijsenaars-Schneider and Calogero-Moser Models Represented by Sklyanin Algebra and $s_l$ ( $n$ ) Gaudin Algebra. Progress of Theoretical Physics Supplement, 1999, 135, 149-165.	0.1	10