

# Kai Chen

## List of Publications by Year in descending order

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61  
papers

5,203  
citations

236912

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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

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19	Optimized detection of steering via linear criteria for arbitrary-dimensional states. Physical Review A, 2017, 95, .	2.5	7
20	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. Physical Review Letters, 2017, 119, 060501.	7.8	35
21	Nonlocal games and optimal steering at the boundary of the quantum set. Physical Review A, 2016, 94, .	2.5	10
22	Certifying Einstein-Podolsky-Rosen steering via the local uncertainty principle. Physical Review A, 2016, 93, .	2.5	46
23	Randomness expansion with a one-sided trusted device. Physical Review A, 2015, 91, .	2.5	0
24	Genuine High-Order Einstein-Podolsky-Rosen Steering. Physical Review Letters, 2015, 115, 010402.	7.8	107
25	Experimental multiplexing of quantum key distribution with classical optical communication. Applied Physics Letters, 2015, 106, .	3.3	52
26	ãŸ°ã°ŽãĎã¼4ã½“é†âç,1çš,,ã•ã...%ãæ°ãžŸç†ã€ã©žçŽ°ã’Ĉã%ãæ™™. Scientia Sinica Informationis, 2014, 44, 394-409	4.0	1
27	Direct and full-scale experimental verifications towards groundã€“satellite quantum key distribution. Nature Photonics, 2013, 7, 387-393.	31.4	247
28	A phyto-reduction route for selective synthesis of highly stable Ag and Ag:AgCl hybrid nanocolloids. CrystEngComm, 2012, 14, 7621.	2.6	9
29	Experimental Demonstration of Counterfactual Quantum Communication. Physical Review Letters, 2012, 109, 030501.	7.8	60
30	A Real-Time QKD System Based on FPGA. Journal of Lightwave Technology, 2012, 30, 3226-3234.	4.6	52
31	Evidence for the Growth Mechanisms of Silver Nanocubes and Nanowires. Journal of Physical Chemistry C, 2011, 115, 7979-7986.	3.1	91
32	The Soft X-ray Polarimeter and Applications at BSRF. AIP Conference Proceedings, 2010, , .	0.4	4
33	Experimental demonstration of a heralded entanglement source. Nature Photonics, 2010, 4, 549-552.	31.4	357
34	Experimental free-space quantum teleportation. Nature Photonics, 2010, 4, 376-381.	31.4	283
35	Verifying Genuine High-Order Entanglement. Physical Review Letters, 2010, 105, 210504.	7.8	25
36	Decoy-state quantum key distribution with polarized photons over 200 km. Optics Express, 2010, 18, 8587.	3.4	182

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37	Metropolitan all-pass and inter-city quantum communication network. Optics Express, 2010, 18, 27217.	3.4	165
38	Experimental determination of entanglement for arbitrary pure states. Physical Review A, 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. Crystal Growth and Design, 2009, 9, 4927-4932.	3.0	40
40	Field test of a practical secure communication network with decoy-state quantum cryptography. Optics Express, 2009, 17, 6540.	3.4	190
41	Entanglement of formation and concurrence for mixed states. Frontiers of Computer Science, 2008, 2, 114-128.	0.6	17
42	Multistage Entanglement Swapping. Physical Review Letters, 2008, 101, 080403.	7.8	101
43	Experimental Realization of One-Way Quantum Computing with Two-Photon Four-Qubit Cluster States. Physical Review Letters, 2007, 99, 120503.	7.8	165
44	Concurrence-Based Entanglement Measure For Werner States. Reports on Mathematical Physics, 2006, 58, 325-334.	0.8	27
45	Two-setting Bell inequalities for many qubits. Physical Review A, 2006, 74, .	2.5	20
46	Decoy-state quantum key distribution with two-way classical postprocessing. Physical Review A, 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. Physical Review Letters, 2005, 94, 230504.	7.8	1,658
49	Entanglement of Formation of Bipartite Quantum States. Physical Review Letters, 2005, 95, 210501.	7.8	124
50	Concurrence of Arbitrary Dimensional Bipartite Quantum States. Physical Review Letters, 2005, 95, 040504.	7.8	239
51	Test for entanglement using physically observable witness operators and positive maps. Physical Review A, 2004, 69, .	2.5	40
52	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
53	A novel interleaver based on dual-pass Mach-Zehnder interferometer. Microwave and Optical Technology Letters, 2004, 42, 253-255.	1.4	3
54	Generalized reduction criterion for separability of quantum states. Physical Review A, 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 $C_n$ and $BC_n$ 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 $C_n$ and $BC_n$ 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 $s_l$ ( $l < n$ ) Gaudin Algebra. Progress of Theoretical Physics Supplement, 1999, 135, 149-165.	0.1	10