Yu-Guang Yang

List of Publications by Year
in descending order

134	3,365	147801	175258
papers	citations	31 h-index	52 g-index

134	134	134	961
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An efficient two-party quantum private comparison protocol with decoy photons and two-photon entanglement. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 055305.	2.1	249
2	Novel quantum image encryption using one-dimensional quantum cellular automata. Information Sciences, 2016, 345, 257-270.	6.9	120
3	Comment on quantum private comparison protocols with a semi-honest third party. Quantum Information Processing, 2013, 12, 877-885.	2.2	104
4	Secure quantum private comparison. Physica Scripta, 2009, 80, 065002.	2.5	103
5	Novel image encryption/decryption based on quantum Fourier transform and double phase encoding. Quantum Information Processing, 2013, 12, 3477-3493.	2.2	102
6	Simple hash function using discrete-time quantum walks. Quantum Information Processing, 2018, 17, 1.	2.2	98
7	Flexible protocol for quantum private query based on B92 protocol. Quantum Information Processing, 2014, 13, 805-813.	2.2	84
8	Quantum cryptographic algorithm for color images using quantum Fourier transform and double random-phase encoding. Information Sciences, 2014, 277, 445-457.	6.9	76
9	Quasi-secure quantum dialogue using single photons. Science in China Series G: Physics, Mechanics and Astronomy, 2007, 50, 558-562.	0.2	75
10	Arbitrated quantum signature scheme based on cluster states. Quantum Information Processing, 2016, 15, 2487-2497.	2.2	74
11	Novel Image Encryption based on Quantum Walks. Scientific Reports, 2015, 5, 7784.	3.3	66
12	Quantum secure direct communication with cluster states. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1271-1275.	5.1	65
13	Quantum Hash function and its application to privacy amplification in quantum key distribution, pseudo-random number generation and image encryption. Scientific Reports, 2016, 6, 19788.	3.3	63
14	Improved secure quantum sealed-bid auction. Optics Communications, 2009, 282, 4167-4170.	2.1	61
15	Image compression-encryption scheme based on fractional order hyper-chaotic systems combined with 2D compressed sensing and DNA encoding. Optics and Laser Technology, 2019, 119, 105661.	4.6	61
16	Analysis and improvement of the watermark strategy for quantum images based on quantum Fourier transform. Quantum Information Processing, 2013, 12, 2765-2769.	2.2	59
17	Arbitrated quantum signature with an untrusted arbitrator. European Physical Journal D, 2011, 61, 773-778.	1.3	54
18	Verifiable Quantum (k,n)-threshold Secret Key Sharing. International Journal of Theoretical Physics, 2011, 50, 792-798.	1.2	53

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19	Private database queries using one quantum state. Quantum Information Processing, 2015, 14, 1017-1024.	2.2	53
20	Arbitrated quantum signature of classical messages against collective amplitude damping noise. Optics Communications, 2010, 283, 3198-3201.	2.1	46
21	Member expansion in quantum (t,n) threshold secret sharing schemes. Optics Communications, 2011, 284, 3479-3482.	2.1	46
22	Quantum private query with perfect user privacy against a joint-measurement attack. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 4033-4038.	2.1	46
23	Verifiable quantum (k, n)-threshold secret sharing. Quantum Information Processing, 2012, 11, 1619-1625.	2.2	44
24	Threshold proxy quantum signature scheme with threshold shared verification. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 1079-1088.	0.2	43
25	Multiparty simultaneous quantum identity authentication with secret sharing. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 321-327.	0.2	42
26	Trojan-horse attacks on quantum key distribution with classical Bob. Quantum Information Processing, 2015, 14, 681-686.	2.2	39
27	Novel classical post-processing for quantum key distribution-based quantum private query. Quantum Information Processing, 2016, 15, 3833-3840.	2.2	39
28	Novel pseudo-random number generator based on quantum random walks. Scientific Reports, 2016, 6, 20362.	3.3	37
29	Threshold quantum secret sharing between multi-party and multi-party. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 1308-1315.	0.2	36
30	Threshold quantum secure direct communication without entanglement. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 176-183.	0.2	35
31	Visually meaningful image encryption based on universal embedding model. Information Sciences, 2021, 562, 304-324.	6.9	35
32	THRESHOLD MULTIPARTY QUANTUM-INFORMATION SPLITTING VIA QUANTUM CHANNEL ENCRYPTION. International Journal of Quantum Information, 2009, 07, 1249-1254.	1.1	33
33	Visually meaningful encryption for color images by using Qi hyper-chaotic system and singular value decomposition in YCbCr color space. Optik, 2020, 213, 164422.	2.9	33
34	Analysis and improvement of the dynamic watermarking scheme for quantum images using quantum wavelet transform. Quantum Information Processing, 2014, 13, 1931-1936.	2.2	32
35	Eliminating the texture features in visually meaningful cipher images. Information Sciences, 2018, 429, 102-119.	6.9	32
36	Secure quantum private query with real-time security check. Optik, 2014, 125, 5538-5541.	2.9	31

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37	Robust QKD-based private database queries based on alternative sequences of single-qubit measurements. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	31
38	Double image compression-encryption algorithm based on fractional order hyper chaotic system and DNA approach. Multimedia Tools and Applications, 2021, 80, 691-710.	3.9	31
39	Controlled Alternate Quantum Walks based Quantum Hash Function. Scientific Reports, 2018, 8, 225.	3.3	30
40	Revisiting the security of secure direct communication based on ping-pong protocol[Quantum Inf. Process. 8, 347 (2009)]. Quantum Information Processing, 2011, 10, 317-323.	2.2	29
41	Fault-tolerant quantum secret sharing against collective noise. Physica Scripta, 2011, 83, 025003.	2.5	29
42	Improving the Security of Controlled Quantum Secure Direct Communication by Using Four Particle Cluster States Against an Attack with Fake Entangled Particles. International Journal of Theoretical Physics, 2011, 50, 395-400.	1.2	28
43	Efficient quantum private comparison protocol based on the entanglement swapping between four-qubit cluster state and extended Bell state. Quantum Information Processing, 2019, 18, 1.	2.2	28
44	Participant attack on the deterministic measurement-device-independent quantum secret sharing protocol. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	28
45	Quantum network communication: a discrete-time quantum-walk approach. Science China Information Sciences, 2018, 61, 1.	4.3	27
46	New quantum key agreement protocols based on Bell states. Quantum Information Processing, 2019, 18, 1.	2.2	26
47	Using M-ary decomposition and virtual bits for visually meaningful image encryption. Information Sciences, 2021, 580, 174-201.	6.9	25
48	Three-party quantum secret sharing against collective noise. Quantum Information Processing, 2019, 18, 1.	2.2	24
49	Fault tolerant quantum secret sharing against collective-amplitude-damping noise. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1619-1624.	5.1	23
50	Quantum threshold group signature. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 1505-1514.	0.2	22
51	A Quantum Protocol for (t,n)-Threshold Identity Authentication Based on Greenberger-Horne-Zeilinger States. International Journal of Theoretical Physics, 2013, 52, 524-530.	1.2	22
52	Quantum deniable authentication protocol. Quantum Information Processing, 2014, 13, 1501-1510.	2.2	22
53	Relativistic quantum private database queries. Quantum Information Processing, 2015, 14, 1443-1450.	2.2	22
54	Novel quantum gray-scale image matching. Optik, 2015, 126, 3340-3343.	2.9	21

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55	Practical Quantum Private Database Queries Based on Passive Round-Robin Differential Phase-shift Quantum Key Distribution. Scientific Reports, 2016, 6, 31738.	3.3	20
56	Theoretically extensible quantum digital signature with starlike cluster states. Quantum Information Processing, 2017, 16, 1.	2.2	20
57	A new quantum blind signature with unlinkability. Quantum Information Processing, 2015, 14, 3019-3030.	2.2	19
58	A novel quantum deniable authentication protocol without entanglement. Quantum Information Processing, 2015, 14, 2183-2193.	2.2	19
59	New quantum key agreement protocols based on cluster states. Quantum Information Processing, 2019, 18, 1.	2.2	19
60	Universal Three-Party Quantum Secret Sharing Against Collective Noise. Communications in Theoretical Physics, 2011, 55, 589-593.	2.5	18
61	Reducing the communication complexity of quantum private database queries by subtle classical post-processing with relaxed quantum ability. Computers and Security, 2019, 81, 15-24.	6.0	18
62	Comment on: â€œEfficient high-capacity quantum secret sharing with two-photon entanglementâ€•[Phys. Lett. A 372 (2008) 1957]. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 396-398.	2.1	17
63	Two-party quantum key agreement over a collective noisy channel. Quantum Information Processing, 2019, 18, 1.	2.2	17
64	Improving the efficiency of quantum hash function by dense coding of coin operators in discrete-time quantum walk. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	16
65	Verifiable Quantum Secret Sharing Protocols Based on Four-Qubit Entangled States. International Journal of Theoretical Physics, 2019, 58, 1202-1214.	1.2	15
66	Examining the correctness of anonymity for practical quantum networks. Physical Review A, 2020, 101, .	2.5	15
67	Dual embedding model: a new framework for visually meaningful image encryption. Multimedia Tools and Applications, 2021, 80, 9055-9074.	3.9	15
68	A Real Quantum Designated Verifier Signature Scheme. International Journal of Theoretical Physics, 2015, 54, 3115-3123.	1.2	14
69	Flexible Quantum Oblivious Transfer. International Journal of Theoretical Physics, 2017, 56, 1286-1297.	1.2	14
70	Efficient quantum multi-hop communication based on Greenbergerâ€“Horneâ€“Zeilinger states and Bell states. Quantum Information Processing, 2021, 20, 1.	2.2	14
71	A scheme on converting quantum signature with public verifiability into quantum designated verifier signature. Optik, 2018, 164, 753-759.	2.9	13
72	Constructing quantum Hash functions based on quantum walks on Johnson graphs. Quantum Information Processing, 2018, 17, 1.	2.2	13

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73	A stronger participant attack on the measurement-device-independent protocol for deterministic quantum secret sharing. Quantum Information Processing, 2021, 20, 1.	2.2	13
74	Towards practical anonymous quantum communication: A measurement-device-independent approach. Physical Review A, 2021, 104, .	2.5	13
75	Detector-Device-Independent Quantum Key Agreement Based on Single-Photon Bell State Measurement. International Journal of Theoretical Physics, 2022, 61, 1.	1.2	13
76	An Android Malware Detection System Based on Feature Fusion. Chinese Journal of Electronics, 2018, 27, 1206-1213.	1.5	12
77	A visually meaningful image encryption algorithm based on adaptive 2D compressive sensing and chaotic system. Multimedia Tools and Applications, 2023, 82, 22033-22062.	3.9	12
78	Quantum Oblivious Transfer Based on a Quantum Symmetrically Private Information Retrieval Protocol. International Journal of Theoretical Physics, 2015, 54, 910-916.	1.2	11
79	Quantum-assisted encryption for digital audio signals. Optik, 2015, 126, 3221-3226.	2.9	11
80	New Secure Quantum Dialogue Protocols over Collective Noisy Channels. International Journal of Theoretical Physics, 2019, 58, 2810-2822.	1.2	11
81	A Quantum Protocol for Millionaire Problem with Continuous Variables. Communications in Theoretical Physics, 2014, 61, 452-456.	2.5	10
82	Quantum wireless network communication based on cluster states. Modern Physics Letters A, 2020, 35, 2050178.	1.2	10
83	Measurement-device-independent quantum wireless network communication. Quantum Information Processing, 2022, 21, 1.	2.2	10
84	Quantum oblivious transfer with an untrusted third party. Optik, 2014, 125, 5409-5413.	2.9	9
85	Quantum oblivious transfer with relaxed constraints on the receiver. Quantum Information Processing, 2015, 14, 3031-3040.	2.2	9
86	Quantum oblivious transfer based on unambiguous set discrimination. Optik, 2015, 126, 3838-3843.	2.9	9
87	Hash Function Based on Quantum Walks. International Journal of Theoretical Physics, 2019, 58, 1861-1873.	1.2	9
88	Deterministic Quantum Secure Direct Communication Protocol Based on Omega State. IEEE Access, 2019, 7, 6915-6921.	4.2	8
89	Letter to the Editor regarding â€œDynamic watermarking scheme for quantum images based on Hadamard transformâ€•by Song et al.. Multimedia Systems, 2016, 22, 271-272.	4.7	7
90	A new kind of universal and flexible quantum information splitting scheme with multi-coin quantum walks. Quantum Information Processing, 2019, 18, 1.	2.2	7

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91	Quantum Private Query With Perfect Performance Universally Applicable Against Collective-Noise. IEEE Access, 2019, 7, 29313-29319.	4.2	7
92	Generalized teleportation by means of discrete-time quantum walks on N-lines and N-cycles. Modern Physics Letters B, 2019, 33, 1950070.	1.9	7
93	Semi-device-independent quantum key agreement protocol. Quantum Information Processing, 2021, 20, 1.	2.2	7
94	Multiparty anonymous quantum communication without multipartite entanglement. Quantum Information Processing, 2022, 21, .	2.2	7
95	Comment on â€œQuantum Secure Direct Communication with Authentication Expansion Using Single Photonsâ€• International Journal of Theoretical Physics, 2012, 51, 3681-3687.	1.2	6
96	Deterministic Quantum Secure Direct Communication Protocol Based on Hyper-Entangled State. IEEE Access, 2019, 7, 43948-43955.	4.2	6
97	Two-party quantum key agreement against collective noisy channel. Quantum Information Processing, 2020, 19, 1.	2.2	6
98	Intrusion detection: A model based on the improved vision transformer. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	3.9	6
99	Quantum Authenticated Direct Communication Using Bell States. International Journal of Theoretical Physics, 2013, 52, 336-344.	1.2	5
100	Reductions between private information retrieval and oblivious transfer at the quantum level. Optik, 2015, 126, 3206-3209.	2.9	5
101	A Quantum Private Query Protocol for Enhancing both User and Database Privacy. Communications in Theoretical Physics, 2018, 69, 31.	2.5	5
102	Quantum state transfer on unsymmetrical graphs via discrete-time quantum walk. Modern Physics Letters A, 2019, 34, 1950317.	1.2	5
103	Continuous-variable multiparty quantum key agreement based on third party. Modern Physics Letters B, 2020, 34, 2050083.	1.9	5
104	Quantum key distribution based on single-particle and EPR entanglement. Science China Information Sciences, 2020, 63, 1.	4.3	5
105	High-capacity measurement-device-independent deterministic secure quantum communication. Quantum Information Processing, 2021, 20, 1.	2.2	5
106	Usefulness of Decoherence in Quantum-Walk-Based Hash Function. International Journal of Theoretical Physics, 2021, 60, 1025-1037.	1.2	5
107	Research and implementation of image enhancement algorithm based on local mean and standard deviation. , 2012, , .		4
108	Sequential Quantum Multiparty Signature Based on Quantum Fourier Transform and Chaotic System. IEEE Access, 2020, 8, 13218-13227.	4.2	4

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109	Deterministic secure quantum communication based on spatial encoding. Quantum Information Processing, 2022, 21, 1.	2.2	4
110	Automatic video object segmentation algorithm based on background reconstruction. , 2011, , .		3
111	Undeniable quantum state sharing with a five-atom cluster state in cavity QED. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2439-2444.	5.1	3
112	Scheme for Implementing Quantum Dense Coding with Ï‡-Type Entangled States in Optical Systems. International Journal of Theoretical Physics, 2012, 51, 1917-1923.	1.2	3
113	A Restricted Quantum Deniable Authentication Protocol Based on GHZ States. Chinese Journal of Electronics, 2018, 27, 229-233.	1.5	3
114	The security analysis of E91 protocol in collective-rotation noise channel. International Journal of Distributed Sensor Networks, 2018, 14, 155014771877819.	2.2	3
115	Two Quantum Coins Sharing a Walker. International Journal of Theoretical Physics, 2019, 58, 700-712.	1.2	3
116	Detectorâ€deviceâ€independent quantum secret sharing based on hyperâ€encoding and singleâ€photon Bellâ€state measurement. Quantum Engineering, 2021, 3, e76.	2.5	3
117	Economical five-party quantum state sharing of an arbitrary m-atom with five-atom cluster state in cavity QED. European Physical Journal D, 2013, 67, 1.	1.3	2
118	Comment on â€œefficient and feasible quantum private comparison of equality against the collective amplitude damping noiseâ€. Quantum Information Processing, 2014, 13, 573-585.	2.2	2
119	Comment on â€œThe enhanced quantum blind signature protocolâ€. Quantum Information Processing, 2014, 13, 1305-1312.	2.2	2
120	Quantum signature-masked authentication schemes. Optik, 2015, 126, 3544-3548.	2.9	2
121	One Step Quantum Key Distribution Protocol Based on the Hyperentangled Bell State. IEEE Access, 2019, 7, 120006-120013.	4.2	2
122	A scheme on converting quantum deniable authentication into universal quantum designated verifier signature. Optik, 2019, 190, 10-20.	2.9	2
123	Quantum Wireless Network Private Query With Multiple Third Parties. IEEE Access, 2019, 7, 33964-33969.	4.2	2
124	The Security Analysis of Quantum B92 Protocol in Collective-Rotation Noise Channel. International Journal of Theoretical Physics, 2019, 58, 1326-1336.	1.2	2
125	Three-Party Quantum Secure Direct Communication Protocol with Adaptive Capacity. International Journal of Theoretical Physics, 2022, 61, .	1.2	2
126	Continuous-time quantum hash function based on one-dimensional cycle lattice. Modern Physics Letters B, 2022, 36, .	1.9	2

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127	Continuous-Variable Arbitrated Quantum Signature Based on Dense Coding and Teleportation. IEEE Access, 2019, 7, 85719-85726.	4.2	1
128	Simulation algorithm on the quantum BB84 protocol based on Monte Carlo method in classical computer environment. Quantum Information Processing, 2020, 19, 1.	2.2	1
129	A unidirectional certificateless proxy reâ€signature scheme based on lattice. Transactions on Emerging Telecommunications Technologies, 0, , .	3.9	1
130	REEXAMINING THE SECURITY OF THE RECONSTRUCTION PHASE OF THE HILLERY-BUZÄšK-BERTHIAUME QUANTUM SECRET-SHARING PROTOCOL. International Journal of Quantum Information, 2009, 07, 1357-1362.	1.1	0
131	Discriminating two non-orthogonal states against decoherence by feedback control. Quantum Information Processing, 2020, 19, 1.	2.2	0
132	Better quantum control does not imply better discrimination effect. Quantum Information Processing, 2020, 19, 1.	2.2	0
133	Design and Simulation of a Quantum Key Distribution Protocol Based on Single-Particle and EPR Entanglement. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 278-287.	0.3	0
134	Discrimination of two nonorthogonal states against amplitudeâ€damping noise via feedâ€forward control. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	0