Wen-Jie Liu

List of Publications by Year
in descending order

73 papers	1,074 citations	430874 18 h-index	454955 30 g-index
76 all docs	76 docs citations	76 times ranked	599 citing authors

#	Article	IF	Citations
1	Emulsifying and emulsion stabilizing properties of hydrolysates of high-density lipoprotein from egg yolk. Food Chemistry, 2022, 369, 130891.	8.2	18
2	Simple method for fabrication of high internal phase emulsions solely using novel pea protein isolate nanoparticles: Stability of ionic strength and temperature. Food Chemistry, 2022, 370, 130899.	8.2	40
3	An Improved Quantum Private Set Intersection Protocol Based on Hadamard Gates. International Journal of Theoretical Physics, 2022, 61, 1.	1.2	6
4	Quantum image edge detection based on eight-direction Sobel operator for NEQR. Quantum Information Processing, 2022, 21, .	2.2	9
5	A quantum system control method based on enhanced reinforcement learning. Soft Computing, 2022, 26, 6567-6575.	3.6	9
6	Quantum forgery attacks on COPA, AES-COPA and marble authenticated encryption algorithms. Quantum Information Processing, 2021, 20, 1.	2.2	12
7	Keratin-A6ACA NPs for gastric ulcer diagnosis and repair. Journal of Materials Science: Materials in Medicine, 2021, 32, 66.	3.6	3
8	Self-Assembled Pea Protein Isolate Nanoparticles with Various Sizes: Explore the Formation Mechanism. Journal of Agricultural and Food Chemistry, 2021, 69, 9905-9914.	5.2	29
9	Self-Assembled Micellar Nanoparticles by Enzymatic Hydrolysis of High-Density Lipoprotein for the Formation and Stability of High Internal Phase Emulsions. Journal of Agricultural and Food Chemistry, 2021, 69, 11015-11025.	5.2	16
10	Preparation of Pickering emulsion gels based on $\hat{I}$°-carrageenan and covalent crosslinking with EDC: Gelation mechanism and bioaccessibility of curcumin. Food Chemistry, 2021, 357, 129726.	8.2	45
11	An optimized quantum minimum searching algorithm with sure-success probability and its experiment simulation with Cirq. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10425-10434.	4.9	9
12	Electrocatalytic oxygen reduction to hydrogen peroxide through a biomass-derived nitrogen and oxygen self-doped porous carbon metal-free catalyst. Journal of Materials Chemistry A, 2021, 9, 25136-25149.	10.3	18
13	A (t, n) threshold quantum visual secret sharing. International Journal of Sensor Networks, 2020, 33, 74.	0.4	3
14	A unitary operator construction solution based on Pauli group for maximal dense coding with a class of symmetric states. Quantum Information Processing, 2020, 19, 1.	2.2	0
15	Passive attack to the controlled secure direct communication with seven-qubit entangled states protocol. Modern Physics Letters A, 2020, 35, 1950343.	1.2	2
16	Quantum-Based Feature Selection for Multiclassification Problem in Complex Systems with Edge Computing. Complexity, 2020, 2020, 1-12.	1.6	3
17	A novel quantum image steganography algorithm based on exploiting modification direction. Multimedia Tools and Applications, 2019, 78, 7981-8001.	3.9	47
18	A Novel Quantum Visual Secret Sharing Scheme. IEEE Access, 2019, 7, 114374-114384.	4.2	13

#	Article	IF	Citations
19	A Quantum Feature Selection Algorithm for Multi-Classification Problem. , 2019, , .		1
20	Quantum Privacy-Preserving Price E-Negotiation. International Journal of Theoretical Physics, 2019, 58, 3259-3270.	1.2	3
21	A Unitary Weights Based One-Iteration Quantum Perceptron Algorithm for Non-Ideal Training Sets. IEEE Access, 2019, 7, 36854-36865.	4.2	25
22	Continuous-time quantum walks on strongly regular graphs with loops and its application to spatial search for multiple marked vertices. Quantum Information Processing, 2019, 18, 1.	2.2	2
23	A Quantum-Based Database Query Scheme for Privacy Preservation in Cloud Environment. Security and Communication Networks, 2019, 2019, 1-14.	1.5	9
24	Quantum Searchable Encryption for Cloud Data Based on Full-Blind Quantum Computation. IEEE Access, 2019, 7, 186284-186295.	4.2	10
25	*In situ* synthesis of small Pt nanoparticles on chitin aerogel derived N doped ultra-thin carbon nanofibers for superior hydrogen evolution catalysis. New Journal of Chemistry, 2019, 43, 16490-16496.	2.8	11
26	Privacy-Preserving Quantum Two-Party Geometric Intersection. Computers, Materials and Continua, 2019, 60, 1237-1250.	1.9	13
27	Classifying advertising video by topicalizing high-level semantic concepts. Multimedia Tools and Applications, 2018, 77, 25475-25511.	3.9	21
28	An Efficient and Secure Arbitrary N-Party Quantum Key Agreement Protocol Using Bell States. International Journal of Theoretical Physics, 2018, 57, 195-207.	1.2	36
29	Quantum Relief algorithm. Quantum Information Processing, 2018, 17, 1.	2.2	27
30	Dynamic Resource Allocation for Load Balancing in Fog Environment. Wireless Communications and Mobile Computing, 2018, 2018, 1-15.	1.2	132
31	Quantum Private Comparison Based on Delegating Quantum Computation. Lecture Notes in Computer Science, 2018, , 660-669.	1.3	0
32	Cryptanalysis of Controlled Bidirectional Quantum Secure Direct Communication Network Using Classical XOR Operation and Quantum Entanglement. IEEE Communications Letters, 2017, 21, 1561-1564.	4.1	3
33	A Robust Quantum Watermark Algorithm Based on Quantum Log-polar Images. International Journal of Theoretical Physics, 2017, 56, 3460-3476.	1.2	14
34	Multi-party Semi-quantum Key Agreement with Delegating Quantum Computation. International Journal of Theoretical Physics, 2017, 56, 3164-3174.	1.2	60
35	The Modified HZ Conjugate Gradient Algorithm for Large-Scale Nonsmooth Optimization. PLoS ONE, 2016, 11, e0164289.	2.5	8
36	Information Leakage Problem in High-Capacity Quantum Secure Communication with Authentication Using Einsteinâ€"Podolskyâ€"Rosen Pairs. Chinese Physics Letters, 2016, 33, 070305.	3.3	8

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37	Information Leakage Problem in Efficient Bidirectional Quantum Secure Direct Communication with Single Photons in Both Polarization and Spatial-Mode Degrees of Freedom. International Journal of Theoretical Physics, 2016, 55, 4681-4686.	1.2	12
38	A new energy landscape paving heuristic for satellite module layouts. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 1031-1043.	2.6	6
39	Cryptanalysis of Controlled Quantum Secure Direct Communication and Authentication Protocol Based on Five-Particle Cluster State and Quantum One-Time Pad. International Journal of Theoretical Physics, 2016, 55, 4564-4576.	1.2	18
40	Multiparty quantum sealed-bid auction using single photons as message carrier. Quantum Information Processing, 2016, 15, 869-879.	2.2	50
41	Twice-Hadamard-CNOT attack on Li et al.â€™s fault-tolerant quantum private comparison and the improved scheme. Frontiers of Physics, 2015, 10, 192-197.	5.0	5
42	Improved Deterministic N-To-One Joint Remote Preparation of an Arbitrary Qubit via EPR Pairs. International Journal of Theoretical Physics, 2015, 54, 472-483.	1.2	16
43	Two New PRP Conjugate Gradient Algorithms for Minimization Optimization Models. PLoS ONE, 2015, 10, e0140071.	2.5	17
44	A Modified BFGS Formula Using a Trust Region Model for Nonsmooth Convex Minimizations. PLoS ONE, 2015, 10, e0140606.	2.5	1
45	Improvement on "an efficient protocol for the quantum private comparison of equality with W state". International Journal of Quantum Information, 2014, 12, 1450001.	1.1	11
46	Attacks and Improvement of Quantum Sealed-Bid Auction with EPR Pairs. Communications in Theoretical Physics, 2014, 61, 686-690.	2.5	34
47	Wang-Landau sampling in face-centered-cubic hydrophobic-hydrophilic lattice model proteins. Physical Review E, 2014, 90, 042715.	2.1	7
48	Cryptanalysis and Improvement of Quantum Private Comparison Protocol Based on Bell Entangled States. Communications in Theoretical Physics, 2014, 62, 210-214.	2.5	24
49	Same Initial States Attack in Yang et al.â€™s Quantum Private Comparison Protocol and the Improvement. International Journal of Theoretical Physics, 2014, 53, 271-276.	1.2	22
50	Secure Quantum Private Comparison of Equality Based on Asymmetric W State. International Journal of Theoretical Physics, 2014, 53, 1804-1813.	1.2	21
51	Energy landscape paving with local search for global optimization of the BLN off-lattice model. Journal of the Korean Physical Society, 2014, 64, 603-610.	0.7	1
52	Quantum simultaneous secret distribution with dense coding by using cluster states. Quantum Information Processing, 2013, 12, 3745-3759.	2.2	3
53	Quantum secure direct communication with optimal quantum superdense coding by using general four-qubit states. Quantum Information Processing, 2013, 12, 587-599.	2.2	34
54	Efficient Algorithms for Optimal 4-Bit Reversible Logic System Synthesis. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.9	4

#	ARTICLE	IF	CITATIONS
55	Energy-landscape paving for prediction of face-centered-cubic hydrophobic-hydrophilic lattice model proteins. Physical Review E, 2013, 88, 052704.	2.1	4
56	Quantum Private Comparison: A Review. IETE Technical Review (Institution of Electronics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	3.2	29
57	High-dimensional deterministic multiparty quantum secret sharing without unitary operations. Quantum Information Processing, 2012, 11, 1785-1795.	2.2	14
58	Deterministic secure quantum communication without unitary operation based on high-dimensional entanglement swapping. Science China Information Sciences, 2012, 55, 360-367.	4.3	20
59	Selection of unitary operations in quantum secret sharing without entanglement. Science China Information Sciences, 2011, 54, 1837-1842.	4.3	8
60	ANALYZING AND REVISING A TWO-WAY PROTOCOL FOR QUANTUM CRYPTOGRAPHY WITH A NONMAXIMALLY ENTANGLED QUBIT PAIR. International Journal of Quantum Information, 2011, 09, 1329-1339.	1.1	15
61	A novel quantum-inspired evolutionary algorithm based on variable angle-distance rotation. , 2010, , .		10
62	Mutually authenticated quantum direct communication based on entanglement swapping. , 2010, , .		3
63	An Introductory Review on Quantum Game Theory. , 2010, , .		3
64	An efficient quantum secret sharing scheme based on orthogonal product states. , 2010, , .		4
65	A Heuristic Simulated Annealing Algorithm for the Circular Packing Problem. , 2009, , .		1
66	Study and Implementation of Chinese Intelligent Question Answering System Based on Restricted Domain. , 2009, , .		1
67	Design and Research of Grid Resource Collaboration Model Based on Facilitator Role. , 2008, , .		0
68	An Efficient Deterministic Secure Quantum Communication Scheme with W State. , 2008, , .		1
69	Sharing Weather Data in an Agent-based Distributed Platform. , 2008, , .		0
70	Efficient Many-to-One and One-to-Many Multiparty Quantum Secure Direct Dommunication with Authentication. , 2008, , .		2
71	Authenticated Deterministic Secure Quantum Communication Based on Entanglement Swapping. , 2008, , .		2
72	Efficient Deterministic Secure Quantum Communication with Cluster State. , 2008, , .		5

#	Article	IF	Citations
73	Authenticated Quantum Secure Direct Communication with Qutrits. , 2008, , .		1