Ri-Gui Zhou

List of Publications by Year
in descending order

143 papers	2,725 citations	201385 27 h-index	233125 45 g-index
145 all docs	145 docs citations	145 times ranked	1196 citing authors

#	Article	IF	Citations
1	Quantum watermarking scheme through Arnold scrambling and LSB steganography. Quantum Information Processing, 2017, 16, 1.	1.0	176
2	Quantum Image Encryption and Decryption Algorithms Based on Quantum Image Geometric Transformations. International Journal of Theoretical Physics, 2013, 52, 1802-1817.	0.5	142
3	Image storage, retrieval, compression and segmentation in a quantum system. Quantum Information Processing, 2013, 12, 2269-2290.	1.0	127
4	Multi-dimensional color image storage and retrieval for a normal arbitrary quantum superposition state. Quantum Information Processing, 2014, 13, 991-1011.	1.0	117
5	A quantum deep convolutional neural network for image recognition. Quantum Science and Technology, 2020, 5, 044003.	2.6	94
6	Quantum image Gray-code and bit-plane scrambling. Quantum Information Processing, 2015, 14, 1717-1734.	1.0	87
7	Multidimensional color image storage, retrieval, and compression based on quantum amplitudes and phases. Information Sciences, 2014, 273, 212-232.	4.0	84
8	Designing novel reversible BCD adder and parallel adder/subtraction using new reversible logic gates. International Journal of Electronics, 2012, 99, 1395-1414.	0.9	81
9	Quantum image edge extraction based on improved Prewitt operator. Quantum Information Processing, 2019, 18, 1.	1.0	57
10	Quantum realization of the bilinear interpolation method for NEQR. Scientific Reports, 2017, 7, 2511.	1.6	56
11	Geometric transformations of multidimensional color images based on NASS. Information Sciences, 2016, 340-341, 191-208.	4.0	51
12	Quantum M-P Neural Network. International Journal of Theoretical Physics, 2007, 46, 3209-3215.	0.5	48
13	Bidirectional Quantum Teleportation by Using Six-Qubit Cluster State. IEEE Access, 2019, 7, 44269-44275.	2.6	48
14	Signal and image compression using quantum discrete cosine transform. Information Sciences, 2019, 473, 121-141.	4.0	44
15	Global and Local Translation Designs of Quantum Image Based on FRQI. International Journal of Theoretical Physics, 2017, 56, 1382-1398.	0.5	42
16	Quantum image encryption algorithm based on Arnold scrambling and wavelet transforms. Quantum Information Processing, 2020, 19, 1.	1.0	41
17	A Novel Quantum Image Steganography Scheme Based on LSB. International Journal of Theoretical Physics, 2018, 57, 1848-1863.	0.5	39
18	Quantum Image Edge Extraction Based on Improved Sobel Operator. International Journal of Theoretical Physics, 2019, 58, 2969-2985.	0.5	39

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19	A Quantum Mechanics-Based Framework for EEG Signal Feature Extraction and Classification. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 211-222.	3.2	39
20	Robust Subspace Segmentation by Self-Representation Constrained Low-Rank Representation. Neural Processing Letters, 2018, 48, 1671-1691.	2.0	36
21	Quantum image edge extraction based on Laplacian operator and zero-cross method. Quantum Information Processing, 2019, 18, 1.	1.0	34
22	Quantum Associative Neural Network with Nonlinear Search Algorithm. International Journal of Theoretical Physics, 2012, 51, 705-723.	0.5	31
23	Dynamic entanglement transfer in a double-cavity optomechanical system. Physical Review A, 2015, 92, .	1.0	30
24	Bidirectional Quantum Controlled Teleportation of Three-Qubit State by Using GHZ States. International Journal of Theoretical Physics, 2019, 58, 3594-3601.	0.5	30
25	LSBs-based quantum color images watermarking algorithm in edge region. Quantum Information Processing, 2019, 18, 1.	1.0	30
26	PAN: Pipeline assisted neural networks model for data-to-text generation in social internet of things. Information Sciences, 2020, 530, 167-179.	4.0	30
27	Quantum image edge extraction based on classical Sobel operator for NEQR. Quantum Information Processing, 2019, 18, 1.	1.0	29
28	Quantum Bidirectional Teleportation 2 â†" 2 or 2 â†" 3 Qubit Teleportation Protocol Via 6-Qubit Entangled State. International Journal of Theoretical Physics, 2020, 59, 166-172.	0.5	29
29	Cyclic and Bidirectional Quantum Teleportation via Pseudo Multi-Qubit States. IEEE Access, 2019, 7, 42445-42449.	2.6	28
30	Cyclic Hybrid Double-Channel Quantum Communication via Bell-State and GHZ-State in Noisy Environments. IEEE Access, 2019, 7, 80530-80541.	2.6	27
31	Quantum Image Watermarking Algorithm Based on Haar Wavelet Transform. IEEE Access, 2019, 7, 121303-121320.	2.6	27
32	Evidential Reasoning With Hesitant Fuzzy Belief Structures for Human Activity Recognition. IEEE Transactions on Fuzzy Systems, 2021, 29, 3607-3619.	6.5	27
33	Transistor realization of reversible â€œZSâ€•series gates and reversible array multiplier. Microelectronics Journal, 2011, 42, 305-315.	1.1	26
34	Quantum realization of the nearest neighbor value interpolation method for INEQR. Quantum Information Processing, 2018, 17, 1.	1.0	26
35	Novel designs for fault tolerant reversible binary coded decimal adders. International Journal of Electronics, 2014, 101, 1336-1356.	0.9	25
36	Global and local multi-view multi-label learning. Neurocomputing, 2020, 371, 67-77.	3.5	25

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37	Enhanced least significant qubit watermarking scheme for quantum images. Quantum Information Processing, 2018, 17, 1.	1.0	24
38	Bidirectional Quantum Teleportation of Two-Qubit State Via Four-Qubit Cluster State. International Journal of Theoretical Physics, 2019, 58, 150-156.	0.5	24
39	A novel dynamic quantum secret sharing in high-dimensional quantum system. Quantum Information Processing, 2021, 20, 1.	1.0	24
40	Quantum Competitive Neural Network. International Journal of Theoretical Physics, 2010, 49, 110-119.	0.5	23
41	Quantum Circuit Realization of the Bilinear Interpolation Method for GQIR. International Journal of Theoretical Physics, 2017, 56, 2966-2980.	0.5	23
42	Adaptive LSB quantum watermarking method using tri-way pixel value differencing. Quantum Information Processing, 2019, 18, 1.	1.0	23
43	Quantum color image watermarking based on Arnold transformation and LSB steganography. International Journal of Quantum Information, 2018, 16, 1850021.	0.6	22
44	Fuzzy Matching Based on Gray-scale Difference for Quantum Images. International Journal of Theoretical Physics, 2018, 57, 2447-2460.	0.5	20
45	Improved Quantum Image Median Filtering in the Spatial Domain. International Journal of Theoretical Physics, 2019, 58, 2115-2133.	0.5	20
46	A Novel Protocol for Bidirectional Controlled Quantum Teleportation of Two-Qubit States Via Seven-Qubit Entangled State in Noisy Environment. International Journal of Theoretical Physics, 2020, 59, 134-148.	0.5	20
47	Quantum Pattern Recognition with Probability of 100%. International Journal of Theoretical Physics, 2008, 47, 1278-1285.	0.5	19
48	One-Dimensional Deep Convolutional Neural Network for Mineral Classification from Raman Spectroscopy. Neural Processing Letters, 2022, 54, 677-690.	2.0	19
49	Asymmetric Bidirectional Controlled Teleportation by Using Nine-Qubit Entangled State in Noisy Environment. IEEE Access, 2019, 7, 75247-75264.	2.6	16
50	Quantum algorithm for the nonlinear dimensionality reduction with arbitrary kernel. Quantum Science and Technology, 2021, 6, 014001.	2.6	16
51	Quantum Image Morphology Processing Based on Quantum Set Operation. International Journal of Theoretical Physics, 2015, 54, 1974-1986.	0.5	15
52	Quantum image scaling based on bilinear interpolation with arbitrary scaling ratio. Quantum Information Processing, 2019, 18, 1.	1.0	15
53	Quantum image encryption based on Lorenz hyper-chaotic system. International Journal of Quantum Information, 2020, 18, 2050022.	0.6	15
54	Efficient quantum steganography scheme using inverted pattern approach. Quantum Information Processing, 2019, 18, 1.	1.0	14

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55	Bidirectional Controlled Quantum Teleportation of Three-Qubit State by a New Entangled Eleven-Qubit State. International Journal of Theoretical Physics, 2021, 60, 3618-3630.	0.5	14
56	Similarity analysis between quantum images. Quantum Information Processing, 2018, 17, 1.	1.0	13
57	Quantum image steganography algorithm based on modified exploiting modification direction embedding. Quantum Information Processing, 2020, 19, 1.	1.0	13
58	Quantum search algorithm for set operation. Quantum Information Processing, 2013, 12, 481-492.	1.0	12
59	Quantum multidimensional color images similarity comparison. Quantum Information Processing, 2015, 14, 1605-1624.	1.0	12
60	Novel quantum secret image-sharing scheme. Chinese Physics B, 2019, 28, 040302.	0.7	12
61	Dynamic Multiparty Quantum Secret Sharing With a Trusted Party Based on Generalized GHZ State. IEEE Access, 2021, 9, 22986-22995.	2.6	12
62	Quantum multidimensional color image scaling using nearest-neighbor interpolation based on the extension of FRQI. Modern Physics Letters B, 2017, 31, 1750184.	1.0	11
63	Traceable Quantum Steganography Scheme Based on Pixel Value Differencing. Scientific Reports, 2019, 9, 15134.	1.6	11
64	Optimization Approaches for Designing a Novel 4-Bit Reversible Comparator. International Journal of Theoretical Physics, 2013, 52, 559-575.	0.5	10
65	A theoretical framework for quantum image representation and data loading scheme. Science China Information Sciences, 2014, 57, 1-11.	2.7	10
66	Two-level information hiding for quantum images using optimal LSB. Quantum Information Processing, 2019, 18, 1.	1.0	10
67	Similarity assessment of quantum images. Quantum Information Processing, 2019, 18, 1.	1.0	10
68	Global and local multi-view multi-label learning with incomplete views and labels. Neural Computing and Applications, 2020, 32, 15007-15028.	3.2	10
69	Semi-Quantum Mutual Identity Authentication Using Bell States. International Journal of Theoretical Physics, 2021, 60, 3353-3362.	0.5	10
70	Asymmetric Cyclic Controlled Quantum Teleportation by Using Nine-Qubit Entangled State. International Journal of Theoretical Physics, 2021, 60, 3435-3459.	0.5	10
71	An Online Banking System Based on Quantum Cryptography Communication. International Journal of Theoretical Physics, 2014, 53, 2177-2190.	0.5	9
72	Quantum novel genetic algorithm based on parallel subpopulation computing and its application. Artificial Intelligence Review, 2014, 41, 359-371.	9.7	9

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73	Quantum image encryption algorithm based on generalized Arnold transform and Logistic map. CCF Transactions on High Performance Computing, 2020, 2, 228-253.	1.1	9
74	Subspace Clustering via Structured Sparse Relation Representation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4610-4623.	7.2	9
75	Enhancing robustness of noisy qutrit teleportation with Markovian memory. EPJ Quantum Technology, 2022, 9, .	2.9	9
76	Quantum Watermarking Scheme Based on INEQR. International Journal of Theoretical Physics, 2018, 57, 1120-1131.	0.5	8
77	Synchronization of two cavity-coupled qubits measured by entanglement. Scientific Reports, 2020, 10, 12975.	1.6	8
78	Three-party semi-quantum protocol for deterministic secure quantum dialogue based on GHZ states. Quantum Information Processing, 2021, 20, 1.	1.0	8
79	Asymmetric scaling scheme over the two dimensions of a quantum image. Quantum Information Processing, 2020, 19, 1.	1.0	7
80	Controlled Bidirectional Quantum Teleportation of Arbitrary Single Qubit via a Non-maximally Entangled State. International Journal of Theoretical Physics, 2020, 59, 2966-2983.	0.5	7
81	Detection of steganography in quantum grayscale images. Quantum Information Processing, 2020, 19, 1.	1.0	7
82	A comment on â€œQuantum image processing?â€• Quantum Information Processing, 2020, 19, 1.	1.0	7
83	Quantum Image Scaling Based on Bilinear Interpolation with Decimals Scaling Ratio. International Journal of Theoretical Physics, 2021, 60, 2115-2144.	0.5	7
84	A continuous-variable quantum-inspired algorithm for classical image segmentation. Quantum Machine Intelligence, 2019, 1, 97-111.	2.7	6
85	Quantum Circuit Realization of Morphological Gradient for Quantum Grayscale Image. International Journal of Theoretical Physics, 2019, 58, 415-435.	0.5	6
86	Quantum Watermarking Based on Neighbor Mean Interpolation and LSB Steganography Algorithms. International Journal of Theoretical Physics, 2019, 58, 2134-2157.	0.5	6
87	Subspace clustering via adaptive least square regression with smooth affinities. Knowledge-Based Systems, 2022, 239, 107950.	4.0	6
88	Dynamic Analysis and Application of QANN. , 2006, , .		5
89	Dynamics of Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2009, 5, 693-707.	1.3	5
90	Quantum color image watermarking based on fast bit-plane scramble and dual embedded. International Journal of Quantum Information, 2018, 16, 1850060.	0.6	5

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91	A novel quantum steganography scheme based on ASCII. International Journal of Quantum Information, 2019, 17, 1950033.	0.6	5
92	Latent graph-regularized inductive robust principal component analysis. Knowledge-Based Systems, 2019, 177, 68-81.	4.0	5
93	Weight-and-Universum-based semi-supervised multi-view learning machine. Soft Computing, 2020, 24, 10657-10679.	2.1	5
94	Semi-quantum secret sharing in high-dimensional quantum system using product states. Chinese Journal of Physics, 2022, 77, 1701-1712.	2.0	5
95	Multisource Weighted Domain Adaptation With Evidential Reasoning for Activity Recognition. IEEE Transactions on Industrial Informatics, 2023, 19, 5530-5542.	7.2	5
96	Image storage, retrieval and compression in entangled quantum systems. , 2014, , .		4
97	Novel neural network modeling method and applications. International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 769-779.	0.8	4
98	Novel Design for Reversible Arithmetic Logic Unit. International Journal of Theoretical Physics, 2015, 54, 630-644.	0.5	4
99	A novel reversible carry-selected adder with low latency. International Journal of Electronics, 2016, 103, 1202-1215.	0.9	4
100	Optimal LSBs-based quantum watermarking with lower distortion. International Journal of Quantum Information, 2018, 16, 1850058.	0.6	4
101	Controlled joint remote preparation of an arbitrary N-qubit state. Quantum Information Processing, 2019, 18, 1.	1.0	4
102	Quantum Image Histogram Statistics. International Journal of Theoretical Physics, 2020, 59, 3533-3548.	0.5	4
103	Quantum image sharpness estimation based on the Laplacian operator. International Journal of Quantum Information, 2020, 18, 2050008.	0.6	4
104	A new multi-view learning machine with incomplete data. Pattern Analysis and Applications, 2020, 23, 1085-1116.	3.1	4
105	Quantum Private Query Using W State. International Journal of Theoretical Physics, 2021, 60, 2531-2542.	0.5	4
106	Online nonparametric Bayesian analysis of parsimonious Gaussian mixture models and scenes clustering. ETRI Journal, 2021, 43, 74-81.	1.2	4
107	Controlled Deterministic Secure Semi-Quantum Communication. International Journal of Theoretical Physics, 2021, 60, 1767-1782.	0.5	4
108	Multi-Criteria Analysis of Sensor Reliability for Wearable Human Activity Recognition. IEEE Sensors Journal, 2021, 21, 19144-19156.	2.4	4

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109	Multi-User Quantum Private Query Using Symmetric Multi-Particle W State. International Journal of Theoretical Physics, 2022, 61, .	0.5	4
110	An Efficient and Novel Semi-Quantum Deterministic Secure Quantum Communication Protocol. International Journal of Theoretical Physics, 2022, 61, 1.	0.5	4
111	Hierarchical Activity Recognition Based on Belief Functions Theory in Body Sensor Networks. IEEE Sensors Journal, 2022, 22, 15211-15221.	2.4	4
112	Simulation optimization to microwave components using neural network. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 1-9.	1.2	3
113	A Quantum Image Watermarking Scheme Based on Two-Bit Superposition. International Journal of Theoretical Physics, 2019, 58, 950-968.	0.5	3
114	Quantum Matrix Multiplier. International Journal of Theoretical Physics, 2021, 60, 2037-2048.	0.5	3
115	Controllable Quantum Network Coding Scheme Based on Quantum Walk. International Journal of Theoretical Physics, 2021, 60, 3363-3374.	0.5	3
116	Quantum Image Edge Detection Based on Multi-Directions Gray-Scale Morphology. International Journal of Theoretical Physics, 2021, 60, 4162-4176.	0.5	3
117	Conclusive multiparty quantum state sharing in amplitude-damping channel. Quantum Information Processing, 2022, 21, 1.	1.0	3
118	Quantum Pattern Search with Closed Match. International Journal of Theoretical Physics, 2013, 52, 3970-3980.	0.5	2
119	Quantum watermarking algorithm based on chaotic affine scrambling. International Journal of Quantum Information, 2019, 17, 1950038.	0.6	2
120	Color image storage and retrieval using quantum mechanics. Quantum Information Processing, 2019, 18, 1.	1.0	2
121	An Improved Structured Low-Rank Representation for Disjoint Subspace Segmentation. Neural Processing Letters, 2019, 50, 1035-1050.	2.0	2
122	Semi-supervised one-pass multi-view learning. Neural Computing and Applications, 2019, 31, 8117-8134.	3.2	2
123	Weight-based canonical sparse cross-view correlation analysis. Pattern Analysis and Applications, 2019, 22, 457-476.	3.1	2
124	Adaptive graph-regularized fixed rank representation for subspace segmentation. Pattern Analysis and Applications, 2020, 23, 443-453.	3.1	2
125	A Novel Quantum Steganography Scheme Based on ASCII. , 0, , .		2
126	A Neural Network Architecture for Information Extraction in Chinese Drug Package Insert. IEEE Access, 2020, 8, 51256-51264.	2.6	2

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127	A Neural Network Model for Text Detection in Chinese Drug Package Insert. IEEE Access, 2021, 9, 39781-39791.	2.6	2
128	A quantum search algorithm of two-dimensional convex hull. Communications in Theoretical Physics, 2021, 73, 115102.	1.1	2
129	Improved two-qubit quantum state sharing protocol based on entanglement swapping of bell states. Quantum Information Processing, 2022, 21, 1.	1.0	2
130	Feature Selection based on QFT. , 2007, , .		1
131	Quantum Gate Network Based on Adiabatic Theorem. , 2008, , .		1
132	Comment on the "Quantum Public-Key Cryptosystem" International Journal of Theoretical Physics, 2015, 54, 1033-1037.	0.5	1
133	A Self-consistent Approach Applied to the Ferro and Antiferromagnetism of Nanotubes. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2523-2534.	0.8	1
134	Subspace segmentation via self-regularized latent K-means. Expert Systems With Applications, 2019, 136, 316-326.	4.4	1
135	Weak-label-based global and local multi-view multi-label learning with three-way clustering. International Journal of Machine Learning and Cybernetics, 0, , 1.	2.3	1
136	A robust quantum private query based on six-qubit with decoherence. Optik, 2022, 253, 168507.	1.4	1
137	Multi-Party Quantum Key Agreement Protocol Based on G-Like States and Ï‡+ States. International Journal of Theoretical Physics, 2022, 61, 1.	0.5	1
138	Quantum network coding based on six-qubit entangled state. Modern Physics Letters B, 0, , .	1.0	1
139	The Evolution of Web Service-Flow. , 2008, , .		0
140	Improved linear classifier model with NystrÃ¶m. PLoS ONE, 2018, 13, e0206798.	1.1	0
141	Ramsey-like spectroscopy of superconducting qubits with dispersive evolution. Physical Review A, 2020, 102, .	1.0	0
142	Distributed entanglement generation from asynchronously excited qubits. Frontiers of Physics, 2022, 17, 1.	2.4	0
143	A quantum steganography scheme using quantum wavelet transforms. Modern Physics Letters B, 0, , .	1.0	0