Hai-sheng Li

List of Publications by Year
in descending order

95 papers	1,611 citations	394421 19 h-index	330143 37 g-index
96 all docs	96 docs citations	96 times ranked	904 citing authors

#	ARTICLE	IF	CITATIONS
1	Credit Evaluation System Based on Blockchain for Multiple Stakeholders in the Food Supply Chain. International Journal of Environmental Research and Public Health, 2018, 15, 1627.	2.6	173
2	Image storage, retrieval, compression and segmentation in a quantum system. Quantum Information Processing, 2013, 12, 2269-2290.	2.2	127
3	Multi-dimensional color image storage and retrieval for a normal arbitrary quantum superposition state. Quantum Information Processing, 2014, 13, 991-1011.	2.2	117
4	Innovative Blockchain-Based Approach for Sustainable and Credible Environment in Food Trade: A Case Study in Shandong Province, China. Sustainability, 2018, 10, 3149.	3.2	85
5	Multidimensional color image storage, retrieval, and compression based on quantum amplitudes and phases. Information Sciences, 2014, 273, 212-232.	6.9	84
6	Quantum Implementation Circuits of Quantum Signal Representation and Type Conversion. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 341-354.	5.4	72
7	Efficient quantum arithmetic operation circuits for quantum image processing. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	58
8	Novel Automatic Food Trading System Using Consortium Blockchain. Arabian Journal for Science and Engineering, 2019, 44, 3439-3455.	3.0	54
9	A Quantum Image Representation Based on Bitplanes. IEEE Access, 2018, 6, 62396-62404.	4.2	52
10	Geometric transformations of multidimensional color images based on NASS. Information Sciences, 2016, 340-341, 191-208.	6.9	51
11	A relationship extraction method for domain knowledge graph construction. World Wide Web, 2020, 23, 735-753.	4.0	48
12	Security Aware Virtual Network Embedding Algorithm Using Information Entropy TOPSIS. Journal of Network and Systems Management, 2020, 28, 35-57.	4.9	30
13	Novel multi-bit quantum comparators and their application in image binarization. Quantum Information Processing, 2019, 18, 1.	2.2	29
14	Quantum multi-level wavelet transforms. Information Sciences, 2019, 504, 113-135.	6.9	27
15	The multi-level and multi-dimensional quantum wavelet packet transforms. Scientific Reports, 2018, 8, 13884.	3.3	26
16	A multi-scale segmentation-to-classification network for tiny microaneurysm detection in fundus images. Knowledge-Based Systems, 2021, 226, 107140.	7.1	26
17	A review of object representation based on local features. Journal of Zhejiang University: Science C, 2013, 14, 495-504.	0.7	25
18	The Prediction in Computer Color Matching of Dentistry Based on GA+BP Neural Network. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-7.	1.3	22

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19	MC-Net: multi-scale context-attention network for medical CT image segmentation. Applied Intelligence, 2022, 52, 1508-1519.	5.3	22
20	Multilevel 2-D Quantum Wavelet Transforms. IEEE Transactions on Cybernetics, 2022, 52, 8467-8480.	9.5	21
21	The circuit design and optimization of quantum multiplier and divider. Science China: Physics, Mechanics and Astronomy, 2022, 65, .	5.1	21
22	Quantum Image Encryption Algorithm Based on NASS. International Journal of Theoretical Physics, 2018, 57, 3745-3760.	1.2	20
23	Generative Adversarial Image Super‐Resolution Through Deep Dense Skip Connections. Computer Graphics Forum, 2018, 37, 289-300.	3.0	19
24	HT-Net: hierarchical context-attention transformer network for medical ct image segmentation. Applied Intelligence, 2022, 52, 10692-10705.	5.3	19
25	Quantum image encryption based on phase-shift transform and quantum Haar wavelet packet transform. Modern Physics Letters A, 2019, 34, 1950214.	1.2	17
26	Quantum vision representations and multi-dimensional quantum transforms. Information Sciences, 2019, 502, 42-58.	6.9	17
27	Research on the Cross-Chain Model of Rice Supply Chain Supervision Based on Parallel Blockchain and Smart Contracts. Foods, 2022, 11, 1269.	4.3	17
28	Multi-Chain Collaboration-Based Information Management and Control for the Rice Supply Chain. Agriculture (Switzerland), 2022, 12, 689.	3.1	17
29	An Efficient Design of Reversible Multi-Bit Quantum Comparator Via Only a Single Ancillary Bit. International Journal of Theoretical Physics, 2018, 57, 3727-3744.	1.2	16
30	The quantum Fourier transform based on quantum vision representation. Quantum Information Processing, 2018, 17, 1.	2.2	16
31	Blockchain-Based Information Supervision Model for Rice Supply Chains. Computational Intelligence and Neuroscience, 2022, 2022, 1-17.	1.7	16
32	Bidirectional quantum teleportation using a five-qubit cluster state as a quantum channel. Quantum Information Processing, 2022, 21, 1.	2.2	15
33	Single Image Rain Removal via a Simplified Residual Dense Network. IEEE Access, 2018, 6, 66522-66535.	4.2	12
34	Scale-Invariant Wave Kernel Signature for Non-Rigid 3D Shape Retrieval. , 2018, , .		11
35	A Block-Based Quantum Image Scrambling for GNEQR. IEEE Access, 2019, 7, 138233-138243.	4.2	10
36	BTBUFood-60: Dataset for Object Detection in Food Field. , 2019, , .		10

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37	Design and simulation of quantum image binarization using quantum comparator. Modern Physics Letters A, 2020, 35, 2050049.	1.2	10
38	Frequency Separation Network for Image Super-Resolution. IEEE Access, 2020, 8, 33768-33777.	4.2	10
39	An Online Banking System Based on Quantum Cryptography Communication. International Journal of Theoretical Physics, 2014, 53, 2177-2190.	1.2	9
40	Fast template matching based on deformable best-buddies similarity measure. Multimedia Tools and Applications, 2019, 78, 11905-11925.	3.9	9
41	Efficient Light Field Reconstruction via Spatio-Angular Dense Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	8
42	A Novel Method for Food Market Regulation by Emotional Tendencies Predictions from Food Reviews Based on Blockchain and SAEs. Foods, 2021, 10, 1398.	4.3	8
43	Combination of multiâ€scale and residual learning in deep CNN for image denoising. IET Image Processing, 2020, 14, 2013-2019.	2.5	8
44	Saliency detection using two-stage scoring. , 2015, , .		7
45	Optimizing Seed Inputs in Fuzzing with Machine Learning. , 2019, , .		7
46	Style transfer for QR code. Multimedia Tools and Applications, 2020, 79, 33839-33852.	3.9	7
47	A comment on â€œQuantum image processing?â€• Quantum Information Processing, 2020, 19, 1.	2.2	7
48	SATMAC: Self-Adaptive TDMA-Based MAC Protocol for VANETs. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21712-21728.	8.0	7
49	Comparison of current semantic similarity methods in WordNet. , 2010, , .		6
50	Nonlinear Model and Dynamic Behavior of Photovoltaic Grid-Connected Inverter. Applied Sciences (Switzerland), 2020, 10, 2120.	2.5	6
51	Measuring the similarity of short texts by word similarity and tree kernels. , 2010, , .		5
52	Efficient 3D Object Retrieval Based on Compact Views and Hamming Embedding. IEEE Access, 2018, 6, 31854-31861.	4.2	5
53	Visual analytics of cellular signaling data. Multimedia Tools and Applications, 2019, 78, 29447-29461.	3.9	5
54	Asymmetric Bidirectional Quantum Teleportation via Seven-qubit Cluster State. International Journal of Theoretical Physics, 2022, 61, .	1.2	5

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55	A framework of ontology-based Knowledge Management system. , 2009, , .		4
56	Research of risk management and quality control based on the work bench of information system project surveillance. , 2009, , .		4
57	Improvement of semantic similarity algorithm based on WordNet. , 2011, , .		4
58	A novel semantic similarity measure within sentences. , 2012, , .		4
59	Image storage, retrieval and compression in entangled quantum systems. , 2014, , .		4
60	HRNet:A hierarchical recurrent convolution neural network for retinal vessel segmentation. Multimedia Tools and Applications, 2022, 81, 39829-39851.	3.9	4
61	Application of Ontology to Question-Answer Knowledge Management System. , 2007, , .		3
62	A Brief Survey of Low-Level Saliency Detection. , 2016, , .		3
63	Variational reconstruction using subdivision surfaces with continuous sharpness control. Computational Visual Media, 2017, 3, 217-228.	17.5	3
64	Common Green Plants Recognition Based on Wavelet Transformation and Varied Local Edge Patterns. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1850045.	1.2	3
65	Visual Analysis of Spatio-Temporal Distribution and Retweet Relation in Weibo Event. , 2018, , .		3
66	The addition and subtraction of quantum matrix based on GNEQR. International Journal of Quantum Information, 2019, 17, 1950056.	1.1	3
67	Bidirectional Controlled Quantum Teleportation via Two Pairs of Bell States. International Journal of Theoretical Physics, 2021, 60, 2662-2667.	1.2	3
68	Attentive frequency learning network for super-resolution. Applied Intelligence, 2022, 52, 5185-5196.	5.3	3
69	Raindrop removal from a single image using a two-step generative adversarial network. Signal, Image and Video Processing, 2022, 16, 677-684.	2.7	3
70	Function-Level Dynamic Monitoring and Analysis System for Smart Contract. IEEE Access, 2020, 8, 229161-229172.	4.2	3
71	An asset evaluation method based on neural network. , 2010, , .		2
72	The Quantum Search Algorithms for All Solutions. International Journal of Theoretical Physics, 2013, 52, 1893.	1.2	2

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73	Quantum circuit design of approximate median filtering with noise tolerance threshold. Quantum Information Processing, 2020, 19, 1.	2.2	2
74	Double Recurrent Dense Network for Single Image Deraining. IEEE Access, 2020, 8, 30615-30627.	4.2	2
75	Low-Complexity Deep No-Reference Light Field Image Quality Assessment with Discriminative EPI Patches Focused. , 2021, , .		2
76	The linear cyclic translation and two-point swapping transformations for quantum images. Quantum Information Processing, 2021, 20, 1.	2.2	2
77	Compound-Attention Network with Original Feature injection for visual question and answering. Signal, Image and Video Processing, 2021, 15, 1853-1861.	2.7	2
78	Video-level Multi-model Fusion for Action Recognition. , 2019, , .		2
79	Constructing streamlines in steady flow on unstructured grids. , 2009, , .		1
80	Notice of Retraction: Research on Surveillance and Evaluation in Acceptance Stage of E-government Project. , 2010, , .		1
81	Digital core modeling based on CT image. , 2011, , .		1
82	A novel framework for semantic segmentation with generative adversarial network. , 2018, , .		1
83	Bike-Sharing Dynamic Scheduling Model Based on Spatio-Temporal Graph. , 2018, , .		1
84	Windows Attention Based Pyramid Network for Food Segmentation. , 2021, , .		1
85	Video2Force: Experiencing Object Motion in Video with Dynamic Force Feedback based on Bio-Inspired Sensing and Processing. , 2022, , .		1
86	Study of the SMS Platform Optimization Technology Based on Sliding Window and Load Balancing Mechanism. , 2010, , .		0
87	The Construction and Running of a Contemporary Software Training Base in a Chinese University. , 2011, , .		0
88	Research on order tracking based on multilevel bill of lots. , 2012, , .		0
89	Research on Semantic-Based 3D Model Retrieval. , 2012, , .		0
90	Energy Efficient Analysis for Content Distribution Network with Multiphase Sleep-Wake Mechanism Based on Stochastic Petri Nets. , 2015, , .		0

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91	Geometry of Motion for Video Shakiness Detection. Journal of Computer Science and Technology, 2018, 33, 475-486.	1.5	0
92	Deep Cooperative Enhancement Hashing Network for Low-Resolution Image Retrieval. IEEE Access, 2020, 8, 120114-120123.	4.2	0
93	Correction to â€œFrequency Separation Network for Image Super-Resolutionâ€. IEEE Access, 2020, 8, 54698-54698.	4.2	0
94	Residual Non-degenerate Temporal Network for Human Action Recognition. , 2020, , .		0
95	Quadrilateral Surface Mesh Generation Algorithm for CFD Model Based on Area-Preserving Parameterization. , 2021, , .		0