

Liuguo Yin

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,215
citations

623734

14
h-index

414414

32
g-index

83
all docs

83
docs citations

83
times ranked

664
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation and security analysis of practical quantum secure direct communication. Light: Science and Applications, 2019, 8, 22.	16.6	181
2	Measurement-device-independent quantum secure direct communication. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	153
3	Measurement-device-independent quantum communication without encryption. Science Bulletin, 2018, 63, 1345-1350.	9.0	115
4	Cooperative Multigroup Multicast Transmission in Integrated Terrestrial-Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 981-992.	14.0	75
5	Experimental free-space quantum secure direct communication and its security analysis. Photonics Research, 2020, 8, 1522.	7.0	67
6	Security of quantum secure direct communication based on Wyner's wiretap channel theory. Quantum Engineering, 2019, 1, e26.	2.5	66
7	Realization of quantum secure direct communication over 100km fiber with time-bin and phase quantum states. Light: Science and Applications, 2022, 11, 83.	16.6	66
8	Toward Practical Quantum Secure Direct Communication: A Quantum-Memory-Free Protocol and Code Design. IEEE Transactions on Communications, 2020, 68, 5778-5792.	7.8	58
9	Quantum secure direct communication with entanglement source and single-photon measurement. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	37
10	Joint Beamforming Design and Resource Allocation for Terrestrial-Satellite Cooperation System. IEEE Transactions on Communications, 2020, 68, 778-791.	7.8	27
11	NOMA-Based Multi-User Mobile Edge Computation Offloading via Cooperative Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 350-364.	7.9	27
12	Accurate and Efficient Image Super-Resolution via Global-Local Adjusting Dense Network. IEEE Transactions on Multimedia, 2021, 23, 1924-1937.	7.2	23
13	Efficient helicopter-satellite communication scheme based on check-hybrid LDPC coding. Tsinghua Science and Technology, 2018, 23, 323-332.	6.1	20
14	Design and Implementation of a Practical Quantum Secure Direct Communication System. , 2018, , .		17
15	CodeHop: physical layer error correction and encryption with LDPC-based code hopping. Science China Information Sciences, 2016, 59, 1.	4.3	16
16	Burst-error-correcting algorithm for Reed-Solomon codes. Electronics Letters, 2001, 37, 695.	1.0	15
17	Design of Efficient Joint eIRA-Coded MSK Modulation Systems for Space Communications. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1636-1642.	4.7	14
18	Simultaneous two-way classical communication and measurement-device-independent quantum key distribution with coherent states. Physical Review A, 2020, 101, .	2.5	14

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19	Generalized Low-Density Parity-Check coding scheme with Partial-Band Jamming. Tsinghua Science and Technology, 2014, 19, 203-210.	6.1	13
20	Joint User Access and Resource Association in Multicast Terrestrial-Satellite Cooperation Network. , 2018, , .		11
21	Code-Hopping Based Transmission Scheme for Wireless Physical-Layer Security. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	9
22	A Distributed Collaborative Entrance Defense Framework Against DDoS Attacks on Satellite Internet. IEEE Internet of Things Journal, 2022, 9, 15497-15510.	8.7	9
23	UEP Video Transmission Based on Dynamic Resource Allocation in MIMO OFDM System. , 2007, , .		8
24	Joint Backhaul and Access Link Resource Management in Maritime Communication Network. , 2018, , .		8
25	Collaborative Spectrum Managements and Sharing in Coordinated Space, Terrestrial and Ocean Networks. IEEE Network, 2020, 34, 182-187.	6.9	8
26	LDPC-based joint source-channel coding scheme for multimedia communications. , 0, , .		7
27	Combined hidden Markov source estimation and low-density parity-check coding: a novel joint source-channel coding scheme for multimedia communications. Wireless Communications and Mobile Computing, 2002, 2, 643-650.	1.2	7
28	Secrecy Transmission Scheme Based on 2-D Polar Coding Over Block Fading Wiretap Channels. IEEE Communications Letters, 2018, 22, 882-885.	4.1	7
29	Entanglement protection of Ince-Gauss modes in atmospheric turbulence using adaptive optics. Optics Express, 2020, 28, 38366.	3.4	7
30	An Energy-Efficient Routing Protocol for Event-Driven Dense Wireless Sensor Networks. International Journal of Wireless Information Networks, 2009, 16, 154-164.	2.7	6
31	On the Minimization of Communication Energy Consumption of Correlated Sensor Nodes. Wireless Personal Communications, 2009, 50, 57-67.	2.7	6
32	Image Restoration via Deep Memory-Based Latent Attention Network. IEEE Access, 2020, 8, 104728-104739.	4.2	6
33	Loophole-free plug-and-play quantum key distribution. New Journal of Physics, 2021, 23, 063058.	2.9	6
34	Adaptive shipborne base station sleeping control for dynamic broadband maritime communications. , 2017, , .		5
35	LDPC coding scheme for improving the reliability of multi-level-cell NAND flash memory in radiation environments. China Communications, 2017, 14, 10-21.	3.2	5
36	LDDBT: A Lightweight DDoS Attack Tracing Scheme Based on Blockchain. , 2021, , .		5

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37	Design of LDBCH Codes for Ultra Reliable Low Latency Communications. IEEE Communications Letters, 2021, 25, 2800-2804.	4.1	5
38	Generalized sparse codes for non-Gaussian channels: Code design, algorithms, and applications. Fundamental Research, 2022, 2, 284-295.	3.3	5
39	Design of irregular LDPC codec on a single chip FPGA. , 0, , .		4
40	An LDPC coded MIMO-OFDM system with simple detection and channel estimation scheme. , 2004, , .		4
41	Energy-Efficient Route Optimization for Adaptive MPSK-Based Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	4
42	Design of Check-Hybrid LDPC Codes for Data Communications over Helicopter-Satellite Channels. , 2017, , .		4
43	Secure routing and transmission scheme for space-ocean broadband wireless network. Science China Information Sciences, 2020, 63, 1.	4.3	4
44	Energy-Efficient Medium Access for Wireless Sensor Networks under Slow Fading Conditions. , 2009, , .		4
45	Efficient encoding of cycle codes on graphs with large girths. , 2008, , .		3
46	Feedback-based adaptive network coded cooperation for wireless networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	3
47	Performance optimization of generalized low-density parity-check codes with EXIT chart method for data transmission over partial-band jamming channels. , 2014, , .		3
48	High speed LDPC decoder design based on general overlapped message-passing architecture. , 2014, , .		3
49	Hamming Distortion Based Secrecy Systems: To Foil the Eavesdropper With Finite Shared Key. IEEE Communications Letters, 2015, 19, 711-714.	4.1	3
50	Design and efficient hardware implementation schemes for non-Quasi-Cyclic LDPC codes. Tsinghua Science and Technology, 2017, 22, 92-103.	6.1	3
51	Maxâ€“min fair beamforming designs of SWIPT-aided full-duplex two-way relay systems. Physical Communication, 2018, 29, 22-30.	2.1	3
52	Spatially Coupled Generalized Low-Density Parity-Check Codes Over Class-A Impulsive Noise Channels. IEEE Access, 2019, 7, 55906-55915.	4.2	3
53	A fast decoding algorithm for Reed-Solomon codes with enhanced burst correcting capability. , 0, , .		2
54	Modified belief-propagation algorithm for decoding of irregular low-density parity-check codes. Electronics Letters, 2002, 38, 1551.	1.0	2

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55	<title>Joint source-channel decoding for MPEG-2 video transmission</title>. , 2004, , .		2
56	Error floor behavior study of LDPC codes for concatenated codes design. Proceedings of SPIE, 2007, , .	0.8	2
57	Minimum distance lower bounds for girth-constrained RA code ensembles. IEEE Transactions on Communications, 2010, 58, 1623-1626.	7.8	2
58	Layered multimedia broadcast using rateless codes with progressive recovery over cooperative MIMO. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	2
59	Non-uniform quantization scheme for the decoding of low-density parity-check codes with the sum-product algorithm. , 2016, , .		2
60	LDPC Decoder with Embedded Coding on Unreliable Memories. , 2017, , .		2
61	A Voyage-Based Cooperative Resource Allocation Scheme in Maritime Broadband Access Network. , 2017, , .		2
62	A Communication Framework with Unified Efficiency and Secrecy. IEEE Wireless Communications, 2019, 26, 133-139.	9.0	2
63	An Energy-Efficient Intelligent Framework of UAV-Enhanced Vehicular Networks: Open Problems and a Case Study. IEEE Vehicular Technology Magazine, 2022, 17, 94-102.	3.4	2
64	Quantum-safe cryptography: crossroads of coding theory and cryptography. Science China Information Sciences, 2022, 65, 1.	4.3	2
65	Burst-error-correcting algorithm for Reed-Solomon codes and its performance over a bursty channel. , 0, , .		1
66	Design of irregular LDPC code with unequal error protection property and its performance analysis on image transmission. Journal of Electronics, 2005, 22, 658-662.	0.2	1
67	Adaptive route configuration for increased energy efficiency in wireless sensor networks. , 2008, , .		1
68	Minimum Cost Routing with Optimized data fusion for event-driven dense wireless sensor networks. , 2008, , .		1
69	Performance Studies of a MB-OFDM UWB Systems Using Reduced-Complexity Algorithm for LDPC Decoder. , 2008, , .		1
70	Optimized relay selection strategy for adaptive network coded cooperation. , 2010, , .		1
71	Rateless Codes with Progressive Recovery for Layered Multimedia Delivery. , 2012, , .		1
72	Design and Analysis of Adaptive Message Coding on LDPC Decoder with Faulty Storage. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	1.2	1

#	ARTICLE	IF	CITATIONS
73	Transmission Quality Improvement Algorithms for Multicast Terrestrial-Satellite Cooperation System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 308-326.	0.3	1
74	Energy Consumption Optimization in Data Transmission from Correlated Sensor Nodes. , 2007, , .		0
75	A new UEP scheme for robust video transmission in LDPC coded MIMO-OFDM system. Journal of Electronics, 2007, 24, 396-401.	0.2	0
76	Optimized Relay Selection Strategy Based on GF(2p) for Adaptive Network Coded Cooperation. IEICE Transactions on Communications, 2011, E94-B, 2912-2915.	0.7	0
77	Distributed generalized parallel concatenated Turbo-like codes for multi-relay networks. , 2012, , .		0
78	Adaptive package coding on unreliable memories for LDPC decoders in radiation environment. , 2017, , .		0
79	Design of a Multi-Core Scheduling Scheme for Tera-bit/s LDPC Decoding. , 2019, , .		0
80	A source-destination network coded cooperation for wireless ad-hoc networks. , 2010, , .		0
81	Interference-and-Voyage Based Cell Zooming for Maritime Wideband Network. Communications in Computer and Information Science, 2018, , 184-196.	0.5	0
82	Super-resolution for noisy images via deep convolutional neural network. , 2018, , .		0
83	Secure Access and Routing Scheme for Maritime Communication Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 115-126.	0.3	0