

Liuguo Yin

List of Publications by Year in descending order

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83
papers

1,215
citations

623734
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all docs

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docs citations

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times ranked

664
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | Generalized sparse codes for non-Gaussian channels: Code design, algorithms, and applications. Fundamental Research, 2022, 2, 284-295. | 3.3 | 5 |
| 3 | 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 |
| 4 | 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 |
| 5 | Quantum-safe cryptography: crossroads of coding theory and cryptography. Science China Information Sciences, 2022, 65, 1. | 4.3 | 2 |
| 6 | A Distributed Collaborative Entrance Defense Framework Against DDoS Attacks on Satellite Internet. IEEE Internet of Things Journal, 2022, 9, 15497-15510. | 8.7 | 9 |
| 7 | Accurate and Efficient Image Super-Resolution via Global-Local Adjusting Dense Network. IEEE Transactions on Multimedia, 2021, 23, 1924-1937. | 7.2 | 23 |
| 8 | LDBT: A Lightweight DDoS Attack Tracing Scheme Based on Blockchain. , 2021, , . | | 5 |
| 9 | Loophole-free plug-and-play quantum key distribution. New Journal of Physics, 2021, 23, 063058. | 2.9 | 6 |
| 10 | Design of LDBCH Codes for Ultra Reliable Low Latency Communications. IEEE Communications Letters, 2021, 25, 2800-2804. | 4.1 | 5 |
| 11 | Joint Beamforming Design and Resource Allocation for Terrestrial-Satellite Cooperation System. IEEE Transactions on Communications, 2020, 68, 778-791. | 7.8 | 27 |
| 12 | Secure routing and transmission scheme for space-ocean broadband wireless network. Science China Information Sciences, 2020, 63, 1. | 4.3 | 4 |
| 13 | Collaborative Spectrum Managements and Sharing in Coordinated Space, Terrestrial and Ocean Networks. IEEE Network, 2020, 34, 182-187. | 6.9 | 8 |
| 14 | Measurement-device-independent quantum secure direct communication. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1. | 5.1 | 153 |
| 15 | Quantum secure direct communication with entanglement source and single-photon measurement. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1. | 5.1 | 37 |
| 16 | Image Restoration via Deep Memory-Based Latent Attention Network. IEEE Access, 2020, 8, 104728-104739. | 4.2 | 6 |
| 17 | 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 |
| 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 | Entanglement protection of Ince-Gauss modes in atmospheric turbulence using adaptive optics. Optics Express, 2020, 28, 38366. | 3.4 | 7 |
| 20 | Experimental free-space quantum secure direct communication and its security analysis. Photonics Research, 2020, 8, 1522. | 7.0 | 67 |
| 21 | 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 |
| 22 | Design of a Multi-Core Scheduling Scheme for Tera-bit/s LDPC Decoding. , 2019, , . | | 0 |
| 23 | Spatially Coupled Generalized Low-Density Parity-Check Codes Over Class-A Impulsive Noise Channels. IEEE Access, 2019, 7, 55906-55915. | 4.2 | 3 |
| 24 | A Communication Framework with Unified Efficiency and Secrecy. IEEE Wireless Communications, 2019, 26, 133-139. | 9.0 | 2 |
| 25 | Implementation and security analysis of practical quantum secure direct communication. Light: Science and Applications, 2019, 8, 22. | 16.6 | 181 |
| 26 | Security of quantum secure direct communication based on Wyner's wiretap channel theory. Quantum Engineering, 2019, 1, e26. | 2.5 | 66 |
| 27 | 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 |
| 28 | Maxâ€™min fair beamforming designs of SWIPT-aided full-duplex two-way relay systems. Physical Communication, 2018, 29, 22-30. | 2.1 | 3 |
| 29 | Cooperative Multigroup Multicast Transmission in Integrated Terrestrial-Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 981-992. | 14.0 | 75 |
| 30 | Secrecy Transmission Scheme Based on 2-D Polar Coding Over Block Fading Wiretap Channels. IEEE Communications Letters, 2018, 22, 882-885. | 4.1 | 7 |
| 31 | Joint Backhaul and Access Link Resource Management in Maritime Communication Network. , 2018, , . | | 8 |
| 32 | Design and Implementation of a Practical Quantum Secure Direct Communication System. , 2018, , . | | 17 |
| 33 | Joint User Access and Resource Association in Multicast Terrestrial-Satellite Cooperation Network. , 2018, , . | | 11 |
| 34 | Measurement-device-independent quantum communication without encryption. Science Bulletin, 2018, 63, 1345-1350. | 9.0 | 115 |
| 35 | Code-Hopping Based Transmission Scheme for Wireless Physical-Layer Security. Wireless Communications and Mobile Computing, 2018, 2018, 1-12. | 1.2 | 9 |
| 36 | Efficient helicopterâ€™satellite communication scheme based on check-hybrid LDPC coding. Tsinghua Science and Technology, 2018, 23, 323-332. | 6.1 | 20 |

| # | ARTICLE | IF | CITATIONS |
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| 37 | 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 |
| 38 | Interference-and-Voyage Based Cell Zooming for Maritime Wideband Network. Communications in Computer and Information Science, 2018, , 184-196. | 0.5 | 0 |
| 39 | Super-resolution for noisy images via deep convolutional neural network. , 2018, , . | | 0 |
| 40 | Design and efficient hardware implementation schemes for non-Quasi-Cyclic LDPC codes. Tsinghua Science and Technology, 2017, 22, 92-103. | 6.1 | 3 |
| 41 | Adaptive shipborne base station sleeping control for dynamic broadband maritime communications. , 2017, , . | | 5 |
| 42 | 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 |
| 43 | Design of Check-Hybrid LDPC Codes for Data Communications over Helicopter-Satellite Channels. , 2017, , . | | 4 |
| 44 | Adaptive package coding on unreliable memories for LDPC decoders in radiation environment. , 2017, , . | | 0 |
| 45 | LDPC Decoder with Embedded Coding on Unreliable Memories. , 2017, , . | | 2 |
| 46 | A Voyage-Based Cooperative Resource Allocation Scheme in Maritime Broadband Access Network. , 2017, , . | | 2 |
| 47 | Non-uniform quantization scheme for the decoding of low-density parity-check codes with the sum-product algorithm. , 2016, , . | | 2 |
| 48 | CodeHop: physical layer error correction and encryption with LDPC-based code hopping. Science China Information Sciences, 2016, 59, 1. | 4.3 | 16 |
| 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 | Generalized Low-Density Parity-Check coding scheme with Partial-Band Jamming. Tsinghua Science and Technology, 2014, 19, 203-210. | 6.1 | 13 |
| 51 | Performance optimization of generalized low-density parity-check codes with EXIT chart method for data transmission over partial-band jamming channels. , 2014, , . | | 3 |
| 52 | High speed LDPC decoder design based on general overlapped message-passing architecture. , 2014, , . | | 3 |
| 53 | Rateless Codes with Progressive Recovery for Layered Multimedia Delivery. , 2012, , . | | 1 |
| 54 | Distributed generalized parallel concatenated Turbo-like codes for multi-relay networks. , 2012, , . | | 0 |

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| 55 | Layered multimedia broadcast using rateless codes with progressive recovery over cooperative MIMO. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, . | 2.4 | 2 |
| 56 | 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 |
| 57 | 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 |
| 58 | Feedback-based adaptive network coded cooperation for wireless networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, . | 2.4 | 3 |
| 59 | Minimum distance lower bounds for girth-constrained RA code ensembles. IEEE Transactions on Communications, 2010, 58, 1623-1626. | 7.8 | 2 |
| 60 | Energy-Efficient Route Optimization for Adaptive MPSK-Based Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, . | 2.4 | 4 |
| 61 | Optimized relay selection strategy for adaptive network coded cooperation. , 2010, , . | | 1 |
| 62 | A source-destination network coded cooperation for wireless ad-hoc networks. , 2010, , . | | 0 |
| 63 | 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 |
| 64 | On the Minimization of Communication Energy Consumption of Correlated Sensor Nodes. Wireless Personal Communications, 2009, 50, 57-67. | 2.7 | 6 |
| 65 | Energy-Efficient Medium Access for Wireless Sensor Networks under Slow Fading Conditions. , 2009, , . | | 4 |
| 66 | Adaptive route configuration for increased energy efficiency in wireless sensor networks. , 2008, , . | | 1 |
| 67 | Minimum Cost Routing with Optimized data fusion for event-driven dense wireless sensor networks. , 2008, , . | | 1 |
| 68 | Performance Studies of a MB-OFDM UWB Systems Using Reduced-Complexity Algorithm for LDPC Decoder. , 2008, , . | | 1 |
| 69 | Efficient encoding of cycle codes on graphs with large girths. , 2008, , . | | 3 |
| 70 | Energy Consumption Optimization in Data Transmission from Correlated Sensor Nodes. , 2007, , . | | 0 |
| 71 | Error floor behavior study of LDPC codes for concatenated codes design. Proceedings of SPIE, 2007, , . | 0.8 | 2 |
| 72 | UEP Video Transmission Based on Dynamic Resource Allocation in MIMO OFDM System. , 2007, , . | | 8 |

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| 73 | A new UEP scheme for robust video transmission in LDPC coded MIMO-OFDM system. Journal of Electronics, 2007, 24, 396-401. | 0.2 | 0 |
| 74 | 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 |
| 75 | An LDPC coded MIMO-OFDM system with simple detection and channel estimation scheme. , 2004, , . | | 4 |
| 76 | <title>Joint source-channel decoding for MPEG-2 video transmission</title>. , 2004, , . | | 2 |
| 77 | Modified belief-propagation algorithm for decoding of irregular low-density parity-check codes. Electronics Letters, 2002, 38, 1551. | 1.0 | 2 |
| 78 | 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 |
| 79 | Burst-error-correcting algorithm for Reed-Solomon codes. Electronics Letters, 2001, 37, 695. | 1.0 | 15 |
| 80 | A fast decoding algorithm for Reed-Solomon codes with enhanced burst correcting capability. , 0, , . | | 2 |
| 81 | LDPC-based joint source-channel coding scheme for multimedia communications. , 0, , . | | 7 |
| 82 | Burst-error-correcting algorithm for Reed-Solomon codes and its performance over a bursty channel. , 0, , . | | 1 |
| 83 | Design of irregular LDPC codec on a single chip FPGA. , 0, , . | | 4 |