# Francis C M Lau

List of Publications by Year
in descending order

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|---|---|---|---|
| 248 papers | 4,494 citations | 101496 36 h-index | 133188 59 g-index |
| 250 all docs | 250 docs citations | 250 times ranked | 2981 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Irregular-Mapped Protograph LDPC-Coded Modulation: A Bandwidth-Efficient Solution for 6G-Enabled Mobile Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 2060-2073. | 4.7 | 42 |
| 2 | Duplicated zigzag decodable fountain codes with the unequal error protection property. Computer Communications, 2022, 185, 66-78. | 3.1 | 1 |
| 3 | Design and Optimization of Protograph LDPC-Coded Multipulse PPM Systems Over Poisson Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 9586-9601. | 3.9 | 2 |
| 4 | Smooth Deep Reinforcement Learning for Power Control for Spectrum Sharing in Cognitive Radios. IEEE Transactions on Wireless Communications, 2022, 21, 10621-10632. | 6.1 | 1 |
| 5 | Relay selection for spatially random fullâ€duplex cooperative nonâ€orthogonal multiple access networks. IET Communications, 2021, 15, 1060-1075. | 1.5 | 0 |
| 6 | Layered Decoding for Protograph-Based Low-Density Parity-Check Hadamard Codes. IEEE Communications Letters, 2021, 25, 1776-1780. | 2.5 | 4 |
| 7 | Data storage using peptide sequences. Nature Communications, 2021, 12, 4242. | 5.8 | 20 |
| 8 | On Massive IoT Connectivity with Temporally-Correlated User Activity. , 2021, , . | | 4 |
| 9 | Protograph-Based LDPC Hadamard Codes. IEEE Transactions on Communications, 2021, 69, 4998-5013. | 4.9 | 8 |
| 10 | Joint Source-Channel Codes Based on a Single Protograph. , 2021, , . | | 5 |
| 11 | Adaptive 2-D Scheduling-Based Nonbinary Majority-Logic Decoding for NAND Flash Memory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1349-1353. | 2.2 | 4 |
| 12 | Path-Planning-Enabled Semiflocking Control for Multitarget Monitoring in Mobile Sensor Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 4778-4787. | 7.2 | 9 |
| 13 | Analysis and Optimization of Tail-Biting Spatially Coupled Protograph LDPC Codes for BICM-ID Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 390-404. | 3.9 | 23 |
| 14 | Construction of GC-Balanced DNA With Deletion/Insertion/Mutation Error Correction for DNA Storage System. IEEE Access, 2020, 8, 140972-140980. | 2.6 | 12 |
| 15 | Hardware Design of Concatenated Zigzag Hadamard Encoder/Decoder System With High Throughput. IEEE Access, 2020, 8, 165298-165306. | 2.6 | 3 |
| 16 | An Ultimate-Shannon-Limit-Approaching Gbps Throughput Encoder/Decoder System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2169-2173. | 2.2 | 4 |
| 17 | Predictive Compositional Method to Design and Reoptimize Complex Behavioral Dataflows. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 2615-2627. | 1.9 | 1 |
| 18 | Protograph-based LDPC-Hadamard Codes. , 2020, , . | | 4 |

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|---|---|---|---|
| 19 | Joint Carrier-Code Index Modulation Aided $M$-Ary Differential Chaos Shift Keying System. IEEE Transactions on Vehicular Technology, 2020, 69, 15486-15499. | 3.9 | 14 |
| 20 | Analysis and Improvement of Error-Floor Performance for JSCC Scheme Based on Double Protograph LDPC Codes. IEEE Transactions on Vehicular Technology, 2020, 69, 14316-14329. | 3.9 | 16 |
| 21 | Energy-Efficient Semi-Flocking Control of Mobile Sensor Networks on Rough Terrains. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 622-626. | 2.2 | 7 |
| 22 | Full-Duplex Relaying Cognitive Radio Network With Cooperative Nonorthogonal Multiple Access. IEEE Systems Journal, 2019, 13, 3897-3908. | 2.9 | 29 |
| 23 | Joint Shuffled Scheduling Decoding Algorithm for DP-LDPC Codes-Based JSCC Systems. IEEE Wireless Communications Letters, 2019, 8, 1696-1699. | 3.2 | 14 |
| 24 | Root-Protograph-Based BICM-ID: A Reliable and Efficient Transmission Solution for Block-Fading Channels. IEEE Transactions on Communications, 2019, 67, 5921-5939. | 4.9 | 20 |
| 25 | Semi-Flocking-Controlled Mobile Sensor Networks for Tracking Targets with Different Priorities. , 2019, , . | | 2 |
| 26 | The Design of Vertical RS-CRC and LDPC Code for Ship-Based Satellite Communications On-the-Move. IEEE Access, 2019, 7, 44977-44986. | 2.6 | 8 |
| 27 | Page-Based Dynamic Partitioning Scheduling for LDPC Decoding in MLC NAND Flash Memory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2082-2086. | 2.2 | 4 |
| 28 | Temnothorax albipennis migration inspired semi-flocking control for mobile sensor networks. Chaos, 2019, 29, 063113. | 1.0 | 4 |
| 29 | Performance Analysis of Cooperative Non-Orthogonal Multiple Access Based on Spectrum Sensing. IEEE Transactions on Vehicular Technology, 2019, 68, 6855-6866. | 3.9 | 21 |
| 30 | Accelerating FPGA Prototyping through Predictive Model-Based HLS Design Space Exploration. , 2019, , . | | 22 |
| 31 | Outage-Limit-Approaching Channel Coding for Future Wireless Communications: Root-Protograph Low-Density Parity-Check Codes. IEEE Vehicular Technology Magazine, 2019, 14, 85-93. | 2.8 | 128 |
| 32 | Minimum-Polytope-Based Linear Programming Decoder for LDPC Codes via ADMM Approach. IEEE Wireless Communications Letters, 2019, 8, 1032-1035. | 3.2 | 12 |
| 33 | Codebook Design Optimization for Sparsified Distribution Converter in Davey-Mackay Watermark Codes over Channels with Synchronization Errors. , 2019, , . | | 0 |
| 34 | Exploiting Full-Duplex Two-Way Relay Cooperative Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2019, 67, 2716-2729. | 4.9 | 61 |
| 35 | Design and Optimization of Differential Chaos Shift Keying Scheme With Code Index Modulation. IEEE Transactions on Communications, 2018, 66, 1970-1980. | 4.9 | 54 |
| 36 | Tree-Permutation-Matrix Based LDPC Codes. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1019-1023. | 2.2 | 2 |

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| 37 | Design Guidelines of Low-Density Parity-Check Codes for Magnetic Recording Systems. IEEE Communications Surveys and Tutorials, 2018, 20, 1574-1606. | 24.8 | 49 |
| 38 | An Approach to Evaluating the Number of Closed Paths in an All-One Base Matrix. IEEE Access, 2018, 6, 22332-22340. | 2.6 | 1 |
| 39 | Joint Optimization of Protograph LDPC Code Pair for Joint Source and Channel Coding. IEEE Transactions on Communications, 2018, 66, 3255-3267. | 4.9 | 47 |
| 40 | Analysis of metro network performance from a complex network perspective. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 553-563. | 1.2 | 49 |
| 41 | Generalized Systematic Comma-Free Code. IEEE Access, 2018, 6, 56800-56814. | 2.6 | 0 |
| 42 | Path Planning for Semi-Flocking-Controlled Mobile Sensor Networks on Mobility Maps. , 2018, , . | | 4 |
| 43 | A Turbo-Hadamard Encoder/Decoder System with Hundreds of Mbps Throughput. , 2018, , . | | 5 |
| 44 | Improved online fountain codes. IET Communications, 2018, 12, 2297-2304. | 1.5 | 13 |
| 45 | Fixed-Point Implementation of Convolutional Neural Networks for Image Classification. , 2018, , . | | 20 |
| 46 | SSCSMA-based random relay selection scheme for large-scale relay networks. Computer Communications, 2018, 127, 13-19. | 3.1 | 3 |
| 47 | Design and Analysis of Punctured Terminated Spatially Coupled Protograph LDPC Codes With Small Coupling Lengths. IEEE Access, 2018, 6, 36723-36731. | 2.6 | 9 |
| 48 | Semi-Flocking-Controlled Mobile Sensor Networks for Dynamic Area Coverage and Multiple Target Tracking. IEEE Sensors Journal, 2018, 18, 8883-8892. | 2.4 | 20 |
| 49 | Investigation and Optimization of Pin Multiplexing in High-Level Synthesis. , 2018, , . | | 2 |
| 50 | Basics of communications using chaos. , 2018, , 104-142. | | 0 |
| 51 | Energy efficiency optimisation in fullâ€duplex relayâ€‰systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2926. | 2.6 | 1 |
| 52 | Fullâ€duplex OFDMA multiâ€user cellular systems: resource allocation and user pairing. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3005. | 2.6 | 2 |
| 53 | Maxâ€“Min Weighted Downlink SINR With Uplink SINR Constraints for Full-Duplex MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 3277-3292. | 3.2 | 7 |
| 54 | Random-permutation-matrix-based cyclically-coupled LDPC codes. , 2017, , . | | 2 |

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| 55 | Operating frequency improvement on FPGA implementation of a pipeline large-FFT processor. , 2017, , . | | 9 |
| 56 | Use of UWB Impulse Radio Technology in In-Car Communications: Power Limits and Optimization. IEEE Transactions on Vehicular Technology, 2017, 66, 6037-6049. | 3.9 | 17 |
| 57 | A consistent heuristic for efficient path planning on mobility maps. , 2017, , . | | 5 |
| 58 | Design of a high-throughput low-latency extended golay decoder. , 2017, , . | | 1 |
| 59 | Design and error performance of punctured hadamard codes. , 2017, , . | | 1 |
| 60 | Reducing the bit-mapping search space of a bit-interleaved polar-coded modulation system. , 2017, , . | | 1 |
| 61 | A generalized systematic comma free code. , 2017, , . | | 1 |
| 62 | On using the cyclically-coupled QC-LDPC codes in future SSDs. , 2016, , . | | 5 |
| 63 | Multilevel codeâ€shifted differentialâ€chaosâ€shiftâ€keying system. IET Communications, 2016, 10, 1189-1195. | 1.5 | 97 |
| 64 | A Survey on DCSK-Based Communication Systems and Their Application to UWB Scenarios. IEEE Communications Surveys and Tutorials, 2016, 18, 1804-1837. | 24.8 | 110 |
| 65 | Log-average-SNR ratio and cooperative spectrum sensing. Journal of Communications and Networks, 2016, 18, 311-319. | 1.8 | 1 |
| 66 | The Feasibility of Mobile Physical-Layer Network Coding with BPSK Modulation. IEEE Transactions on Vehicular Technology, 2016, , 1-1. | 3.9 | 9 |
| 67 | A Square-Constellation-Based $M$ -Ary DCSK Communication System. IEEE Access, 2016, 4, 6295-6303. | 2.6 | 47 |
| 68 | Finiteâ€length extrinsic information transfer analysis and design of protograph lowâ€density parityâ€check codes for ultraâ€highâ€density magnetic recording channels. IET Communications, 2016, 10, 1303-1311. | 1.5 | 4 |
| 69 | Rate-Compatible Root-Protograph LDPC Codes for Quasi-Static Fading Relay Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 2741-2747. | 3.9 | 27 |
| 70 | Rapid prototyping of multi-mode QC-LDPC decoder for 802.11n/ac standard. , 2016, , . | | 8 |
| 71 | A 3.0 Gb/s Throughput Hardware-Efficient Decoder for Cyclically-Coupled QC-LDPC Codes. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 134-145. | 3.5 | 31 |
| 72 | Parameter Identification of Chaotic Systems by a Novel Dual Particle Swarm Optimization. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650024. | 0.7 | 8 |

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| 73 | Resource Allocation for Multiuser OFDMA Hybrid Full/Half-Duplex Relaying Systems With Direct Links. IEEE Transactions on Vehicular Technology, 2016, 65, 6101-6118. | 3.9 | 17 |
| 74 | Pricing Mobile Data Offloading: A Distributed Market Framework. IEEE Transactions on Wireless Communications, 2016, 15, 913-927. | 6.1 | 46 |
| 75 | Novel types of cyclically-coupled quasi-cyclic LDPC block codes. , 2016, , . | | 2 |
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| 77 | Average Transmit Power Gain of MIMO Fading Channels Over SISO AWGN Channels. Wireless Personal Communications, 2015, 84, 719-728. | 1.8 | 0 |
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| 79 | A Survey on Protograph LDPC Codes and Their Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 1989-2016. | 24.8 | 130 |
| 80 | A parallel-routing network for reliability inferences of single-parity-check decoder. , 2015, , . | | 24 |
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| 82 | An architecture-algorithm co-design of artificial intelligence for Trax player. , 2015, , . | | 3 |
| 83 | Optimizing Performance of Communication Networks: An Application of Network Science. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 95-99. | 2.2 | 24 |
| 84 | Generation of Luby Transform Codes with Low Redundancy. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550072. | 0.7 | 1 |
| 85 | Concept of Node Usage Probability From Complex Networks and Its Applications to Communication Network Design. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1195-1204. | 3.5 | 25 |
| 86 | Relay cooperation schemes for the multiple access relay channel: Compute-and-forward and successive interference cancellation. , 2014, , . | | 2 |
| 87 | D-GLDPC codes with 3-D single parity-check product codes as super check nodes. , 2014, , . | | 1 |
| 88 | Improved Min-Sum Decoding for 2-D Intersymbol Interference Channels. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 1.2 | 6 |
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| 90 | Exact split information function for SPC. , 2014, , . | | 0 |

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| 91 | Implementation of Decoders for LDPC Block Codes and LDPC Convolutional Codes Based on GPUs. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 663-672. | 4.0 | 21 |
| 92 | On the Diversity Order of a General Cooperative Relaying Communication System. Wireless Personal Communications, 2014, 77, 605-631. | 1.8 | 7 |
| 93 | Effective routing algorithms based on node usage probability from a complex network perspective. , 2014, , . | | 7 |
| 94 | Implementation of FM-DCSK modulation scheme on USRP platform based on complex envelope. IEICE Proceeding Series, 2014, 1, 797-800. | 0.0 | 3 |
| 95 | Performance Comparison of UWB Chirp IR TR and UWB FM-DCSK TR Systems Implemented with Autocorrelation Receiver. IEICE Proceeding Series, 2014, 1, 793-796. | 0.0 | 0 |
| 96 | Multichannel Opportunistic Access by Overhearing Primary ARQ Messages. IEEE Transactions on Vehicular Technology, 2013, 62, 3486-3492. | 3.9 | 13 |
| 97 | Outage Performance and Cooperative Diversity Under Amplify and Forward Relaying in Cognitive Radio Networks. Wireless Personal Communications, 2013, 69, 891-914. | 1.8 | 5 |
| 98 | Analysis of Communication Network Performance From a Complex Network Perspective. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3303-3316. | 3.5 | 72 |
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| 100 | A class of doubly-generalized LDPC codes. , 2013, , . | | 2 |
| 101 | Decoding Generalized Joint Channel Coding and Physical Network Coding in the LLR Domain. IEEE Signal Processing Letters, 2013, 20, 121-124. | 2.1 | 11 |
| 102 | Turn your baseband Matlab simulator into a fully functional, 2.4-GHz, operating FM-DCSK transceiver using SDE platform. , 2013, , . | | 1 |
| 103 | From simulations to field tests: PXI-based software defined wireless platform for performance evaluation of FM-DCSK. , 2013, , . | | 0 |
| 104 | Application of universal software defined PXI platform for the performance evaluation of FM-DCSK communications system. , 2013, , . | | 3 |
| 105 | A fast lowâ€density parityâ€check code simulator based on compressed parityâ€check matrices. Wireless Communications and Mobile Computing, 2013, 13, 663-670. | 0.8 | 1 |
| 106 | An efficient and secure medical image protection scheme based on chaotic maps. Computers in Biology and Medicine, 2013, 43, 1000-1010. | 3.9 | 150 |
| 107 | A 2.0 Gb/s Throughput Decoder for QC-LDPC Convolutional Codes. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1857-1869. | 3.5 | 37 |
| 108 | Diophantine Approach to Blind Interference Alignment of Homogeneous K-User 2x1 MISO Broadcast Channels. IEEE Journal on Selected Areas in Communications, 2013, 31, 2141-2153. | 9.7 | 19 |

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| 109 | Selection of spatially-distributed relays for two-way relaying with network coding. , 2013, , . | | 0 |
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| 111 | Performance analysis of protograph-based low-density parity-check codes with spatial diversity. IET Communications, 2012, 6, 2941-2948. | 1.5 | 21 |
| 112 | A layered QC-LDPC decoder architecture for high speed communication system. , 2012, , . | | 30 |
| 113 | Improving the coverage of ultra wideband impulse radio by pulse compression. , 2012, , . | | 0 |
| 114 | SCALE-FREE LUBY TRANSFORM CODES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250094. | 0.7 | 8 |
| 115 | Effect of assortativity on traffic performance in scale-free networks. , 2012, , . | | 1 |
| 116 | Complex network approach to communication network performance analysis. , 2012, , . | | 3 |
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| 118 | Design of Protograph LDPC Codes for Partial Response Channels. IEEE Transactions on Communications, 2012, 60, 2809-2819. | 4.9 | 49 |
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| 122 | A fast searching method for the construction of QC-LDPC codes with large girth. , 2012, , . | | 11 |
| 123 | Theory and Application of Software Defined Electronics: Design Concepts for the Next Generation of Telecommunications and Measurement Systems. IEEE Circuits and Systems Magazine, 2012, 12, 8-34. | 2.6 | 22 |
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| 126 | Performance of cooperative spectrum sensing over fading channels with low signal-to-noise ratio. IET Communications, 2012, 6, 1988-1999. | 1.5 | 8 |

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| 127 | Optimisation of throughput in cognitive radio networks: an analysis at the data link layer. IET Communications, 2012, 6, 1. | 1.5 | 1 |
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| 130 | Construction of high-rate QC-LDPC codes. , 2011, , . | | 2 |
| 131 | A Delay-Aware Data Collection Network Structure for Wireless Sensor Networks. IEEE Sensors Journal, 2011, 11, 699-710. | 2.4 | 113 |
| 132 | Efficient Decoding of QC-LDPC Codes Using GPUs. Lecture Notes in Computer Science, 2011, , 294-305. | 1.0 | 6 |
| 133 | Increasing the local girth of irregular low-density parity-check codes based on degree-spectrum analysis. IET Communications, 2011, 5, 1506-1511. | 1.5 | 2 |
| 134 | Optimisation of low-density parity-check codes with deterministic unequal error protection properties. IET Communications, 2011, 5, 1560-1565. | 1.5 | 8 |
| 135 | Performance evaluation of irregular low-density parity-check codes at high signal-to-noise ratio. IET Communications, 2011, 5, 1587-1596. | 1.5 | 7 |
| 136 | A Clustering Algorithm for Wireless Sensor Networks Based on Social Insect Colonies. IEEE Sensors Journal, 2011, 11, 711-721. | 2.4 | 61 |
| 137 | IMPACT OF TOPOLOGY ON THE MAXIMUM MULTICAST THROUGHPUT IN COMMUNICATION NETWORKS WITH NETWORK CODING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2741-2748. | 0.7 | 0 |
| 138 | Performance Bounds of Opportunistic Cooperative Communications With CSI-Assisted Amplify-and-Forward Relaying and MRC Reception. IEEE Transactions on Vehicular Technology, 2010, 59, 2159-2165. | 3.9 | 10 |
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| 140 | Constructing Short-Length Irregular LDPC Codes with Low Error Floor. IEEE Transactions on Communications, 2010, 58, 2823-2834. | 4.9 | 53 |
| 141 | Decode-and-Forward Two-Way Relaying with Network Coding and Opportunistic Relay Selection. IEEE Transactions on Communications, 2010, 58, 3070-3076. | 4.9 | 116 |
| 142 | Derivation of circuit specification for the UWB impulse radio transceivers. , 2010, , . | | 2 |
| 143 | Diversity order for amplify-and-forward dual-hop systems with fixed-gain relay under Nakagami fading channels. IEEE Transactions on Wireless Communications, 2010, 9, 92-98. | 6.1 | 47 |
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| 145 | Performance improvement of autocorrelation detector used in UWB impulse radio. , 2010, , . | | 0 |
| 146 | Feasibility of UWB radio: Impulse radio versus chaos-based approach. , 2010, , . | | 6 |
| 147 | On the design of low complexity decoding (LCD) network codes. , 2010, , . | | 1 |
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| 149 | Constructing high-rate scale-free LDPC codes. , 2010, , . | | 0 |
| 150 | Multiple-Stream Code-Multiplexed Transmitted-Reference Ultra-Wideband Systems. , 2010, , . | | 1 |
| 151 | The phase-shifting network design of electronically-steered smart antennas for TD-SCDMA systems. , 2010, , . | | 0 |
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| 153 | Energy Consumption in Wireless Sensor Networks under Varying Sensor Node Traffic. , 2010, , . | | 4 |
| 154 | A network perspective of the stock market. Journal of Empirical Finance, 2010, 17, 659-667. | 0.9 | 299 |
| 155 | Spectrum Sensing Gain Analysis in Cooperative Cognitive Radio Networks. , 2010, , . | | 1 |
| 156 | A class of QC-LDPC codes with low encoding complexity and good error performance. IEEE Communications Letters, 2010, 14, 169-171. | 2.5 | 34 |
| 157 | Q-ary LDPC decoder with euclidean-distance-based sorting criterion. IEEE Communications Letters, 2010, 14, 444-446. | 2.5 | 2 |
| 158 | High-SNR Analysis of Opportunistic Relaying Based on the Maximum Harmonic Mean Selection Criterion. IEEE Signal Processing Letters, 2010, 17, 719-722. | 2.1 | 31 |
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| 163 | Accelerated Q-Ary Low-Density Parity-Check Codes Decoding with Message Selection. , 2009, , . | | 0 |
| 164 | Complex-Network Modeling of a Call Network. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 416-429. | 3.5 | 21 |
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| 166 | Differentiating trapping sets with the same label [w; u. , 2009, , . | | 0 |
| 167 | Performance Analysis of Serial Cooperative Communications with Decode-and-Forward Relaying and Blind-EGC Reception under Nakagami Fading Channels. IEEE Transactions on Wireless Communications, 2009, 8, 5455-5460. | 6.1 | 3 |
| 168 | Simulation and implementation of dual-polarization TD-SCDMA smart antennas. , 2009, , . | | 2 |
| 169 | Asymptotic Analysis of Opportunistic Relaying Protocols. IEEE Transactions on Wireless Communications, 2009, 8, 3915-3920. | 6.1 | 49 |
| 170 | Evaluation of the Extremely Low Block Error Rate of Irregular LDPC Codes. , 2009, , . | | 9 |
| 171 | Improving the noise performance of energy detector based UWB systems by optimizing the receiver parameters. , 2009, , . | | 2 |
| 172 | Performance improvement of UWB autocorrelation receivers by minimizing the energy capture time. , 2009, , . | | 0 |
| 173 | A scheduling scheme for wireless sensor networks based on social insect colonies. IET Communications, 2009, 3, 714. | 1.5 | 4 |
| 174 | Error rate and diversity order of multinode cooperative communications in dissimilar Nakagami fading channels. IET Communications, 2009, 3, 1843. | 1.5 | 2 |
| 175 | Application of complex-network theories to the design of short-length low-density-parity-check codes. IET Communications, 2009, 3, 1569. | 1.5 | 13 |
| 176 | Network coding for resilient peer-to-peer networks. , 2009, , . | | 0 |
| 177 | Observing Stock Market Fluctuation in Networks of Stocks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 2099-2108. | 0.2 | 2 |
| 178 | Study of bifurcation behavior of two-dimensional turbo product code decoders. Chaos, Solitons and Fractals, 2008, 36, 500-511. | 2.5 | 4 |
| 179 | Analytical performance of M-ary time-hopping orthogonal PPM UWB systems under multiple access interference. IEEE Transactions on Communications, 2008, 56, 1780-1784. | 4.9 | 13 |
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| 182 | Impacts of UWB Interference on Selected Radio Systems used by the Government. , 2008, , . | | 1 |
| 183 | Passband Simulations of Interference Impacts in the Presence of Ultra Wideband and Narrowband Systems. International Conference on Advanced Communication Technology, 2008, , . | 0.0 | 0 |
| 184 | Traffic analysis of a mobile cellular system based on a scale-free user network and a power-law-distributed mobility model. , 2008, , . | | 0 |
| 185 | OSCILLATION AND PERIOD DOUBLING IN TCP/RED SYSTEM: ANALYSIS AND VERIFICATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1459-1475. | 0.7 | 10 |
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| 188 | Cross-layer design scheme for multihop communications. Electronics Letters, 2007, 43, 762. | 0.5 | 0 |
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