

# Jamie Evans

## List of Publications by Year in descending order

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216  
papers

4,066  
citations

218677

26  
h-index

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52  
g-index

216  
all docs

216  
docs citations

216  
times ranked

2831  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Sum-Rate Optimization in Flexible Half-Duplex Networks With Transmitter/Receiver Scheduling. IEEE Transactions on Wireless Communications, 2022, 21, 4711-4724.  | 9.2 | 2         |
| 2  | On the Capacity-Achieving Input of Channels With Phase Quantization. IEEE Transactions on Information Theory, 2022, 68, 5866-5888.   | 2.4 | 3         |
| 3  | Adaptive Opportunistic Spatial Modulation for Boosting Transmit Diversity. IEEE Transactions on Communications, 2022, 70, 4286-4298.   | 7.8 | 2         |
| 4  | On the Capacity-Achieving Input of the Gaussian Channel With Polar Quantization. IEEE Transactions on Communications, 2022, 70, 5912-5928.   | 7.8 | 2         |
| 5  | Energy-Efficiency Fairness of Interference Multi-Relay Networks for Multi-User Communications. IEEE Communications Letters, 2021, 25, 955-959.   | 4.1 | 3         |
| 6  | Fractionally Spaced Equalization and Decision Feedback Sequence Detection for Diffusive MC. IEEE Communications Letters, 2021, 25, 117-121.  | 4.1 | 9         |
| 7  | On Minimizing Symbol Error Rate Over Fading Channels With Low-Resolution Quantization. IEEE Transactions on Communications, 2021, 69, 7205-7221.   | 7.8 | 9         |
| 8  | Selection Combining for Multi-Antenna Communication with Low-Resolution ADCs. , 2021, , .  |     | 2         |
| 9  | Is Phase Shift Keying Optimal for Channels with Phase-Quantized Output?. , 2021, , .   |     | 4         |
| 10 | Separation of Control and Data Transmissions in 5G Networks May Not be Beneficial. IEEE Transactions on Wireless Communications, 2021, 20, 4159-4173.  | 9.2 | 0         |
| 11 | Physical Layer Security for Intelligent Reflecting Surface Assisted Two-Way Communications. IEEE Communications Letters, 2021, 25, 2156-2160.  | 4.1 | 24        |
| 12 | Optimum Location-Based Relay Selection in Wireless Networks. IEEE Transactions on Information Theory, 2021, 67, 6223-6242.   | 2.4 | 2         |
| 13 | Reliability Characterization for SIMO Communication Systems With Low-Resolution Phase Quantization Under Rayleigh Fading. IEEE Open Journal of the Communications Society, 2021, 2, 2660-2679.         | 6.9 | 6         |
| 14 | Optimal Detection Interval for Absorbing Receivers in Molecular Communication Systems With Interference. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 184-198. | 2.1 | 10        |
| 15 | Reconfigurable Intelligent Surface Assisted Two-Way Communications: Performance Analysis and Optimization. IEEE Transactions on Communications, 2020, 68, 6552-6567.                                   | 7.8 | 169       |
| 16 | Low-Resolution Quantization in Phase Modulated Systems: Optimum Detectors and Error Rate Analysis. IEEE Open Journal of the Communications Society, 2020, 1, 1000-1021.                                | 6.9 | 10        |
| 17 | Two-Way Communications via Reconfigurable Intelligent Surface. , 2020, , .   |     | 7         |
| 18 | Binary Power Optimality for Two Link Full-Duplex Network. , 2020, , .  |     | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Centralized Scheduling with Sum-Rate optimization in Flexible Half-Duplex Networks. , 2020, , .   |     | 2         |
| 20 | Latency Minimization with Optimum Workload Distribution and Power Control for Fog Computing. , 2020, , .  |     | 11        |
| 21 | Mixture Detectors for Improved Spectrum Sensing. IEEE Transactions on Wireless Communications, 2020, 19, 4335-4348.   | 9.2 | 12        |
| 22 | Chemical Reactions-based Detection Mechanism for Molecular Communications. , 2020, , .  |     | 3         |
| 23 | Location-Based Optimum Relay Selection in Random Spatial Networks. , 2019, , .  |     | 2         |
| 24 | Diffusive Mobile MC for Controlled-Release Drug Delivery with Absorbing Receiver. , 2019, , .   |     | 12        |
| 25 | Phase Modulated Communication with Low-Resolution ADCs. , 2019, , .   |     | 6         |
| 26 | Truthful Mechanism Design for Wireless Powered Network With Channel Gain Reporting. IEEE Transactions on Communications, 2019, 67, 7966-7979.                                   | 7.8 | 7         |
| 27 | Diffusive Mobile MC With Absorbing Receivers: Stochastic Analysis and Applications. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2019, 5, 84-99. | 2.1 | 16        |
| 28 | Zero-Error Capacity of Multiple Access Channels via Nonstochastic Information. , 2019, , .  |     | 4         |
| 29 | Limited-Feedback Distributed Relay Selection for Random Spatial Wireless Networks. , 2019, , .  |     | 1         |
| 30 | Resource Allocation in Dynamic DF Relay for SWIPT Network with Circuit Power Consumption. , 2019, , .   |     | 1         |
| 31 | Distributed Spectrum Sensing for Cognitive Radio Networks Based on the Sphericity Test. IEEE Transactions on Communications, 2019, 67, 1831-1844.                               | 7.8 | 14        |
| 32 | Physical-Layer Security in Full-Duplex Multi-Hop Multi-User Wireless Network With Relay Selection. IEEE Transactions on Wireless Communications, 2019, 18, 1216-1232.           | 9.2 | 47        |
| 33 | Multi-User Relay Selection for Full-Duplex Radio. IEEE Transactions on Communications, 2019, 67, 955-972.   | 7.8 | 31        |
| 34 | Decentralized Relay Selection in Multi-User Multihop Decode-and-Forward Relay Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3313-3326.                      | 9.2 | 22        |
| 35 | Interference Modeling in an Urban Microcell With Full-Dimensional MIMO. IEEE Transactions on Vehicular Technology, 2018, 67, 1347-1362.   | 6.3 | 2         |
| 36 | Stability and Dynamic Control of Underlay Mobile Edge Networks. IEEE Transactions on Mobile Computing, 2018, 17, 2195-2208.   | 5.8 | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Physical-Layer Security in Full-Duplex Multi-User Relay Networks. , 2018, , .   |     | 4         |
| 38 | Power Allocation for Distributed Detection Systems in Wireless Sensor Networks with Limited Fusion Center Feedback. IEEE Transactions on Communications, 2018, , 1-1. | 7.8 | 16        |
| 39 | Performance analysis of massive MIMO networks with random unitary pilot matrices. , 2018, , .   |     | 0         |
| 40 | Opportunistic Group Antenna Selection in Spatial Modulation Systems. IEEE Transactions on Communications, 2018, 66, 5317-5331.  | 7.8 | 10        |
| 41 | Throughput Maximization for Multi-Hop Decode-and-Forward Relay Network With Wireless Energy Harvesting. IEEE Access, 2018, 6, 24582-24595.                            | 4.2 | 35        |
| 42 | Energy-Efficient Relay Assignment and Power Control in Multi-User and Multi-Relay Networks. IEEE Wireless Communications Letters, 2018, 7, 1070-1073.                 | 5.0 | 16        |
| 43 | Optimal Detection Interval for Absorbing Receivers in Molecular Communication Systems with Interference. , 2018, , .  |     | 2         |
| 44 | A Novel and Tractable Antenna Selection in Spatial Modulation Systems. , 2018, , .  |     | 2         |
| 45 | Order-statistics based analysis of distributed antenna systems with limited RF chains. , 2018, , .  |     | 2         |
| 46 | Novel distributed spectrum sensing techniques for cognitive radio networks. , 2018, , .   |     | 6         |
| 47 | Energy Modelling and Optimization of Amplify-and-Forward Relay Transmission. , 2017, , .  |     | 0         |
| 48 | Performance Analysis of Reconfigurable Antenna Arrays. IEEE Transactions on Communications, 2017, 65, 2726-2739.  | 7.8 | 6         |
| 49 | Angle-of-Arrival-Dependent Interference Modeling in Rician Massive MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 6171-6183.                              | 6.3 | 7         |
| 50 | Energy Allocation and Energy Harvesting in Wireless Relay Networks with Hybrid Protocol. , 2017, , .  |     | 2         |
| 51 | Exact Outage Analysis of Multiple-User Downlink With MIMO Matched-Filter Precoding. IEEE Communications Letters, 2017, 21, 2754-2757.                                 | 4.1 | 15        |
| 52 | On the symbol error probability for QPSK with quantized observations. , 2017, , .   |     | 1         |
| 53 | Decentralized relay selection in two-user multihop decode-and-forward relay networks. , 2017, , .   |     | 4         |
| 54 | Relay Selection in Full-Duplex Multiple-User Wireless Networks. , 2017, , .   |     | 4         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Impact of residual self-interference and direct-link interference on full-duplex relays. , 2017, , .   |     | 1         |
| 56 | Analytical handle for ZF reception in distributed massive MIMO. , 2016, , .  |     | 4         |
| 57 | On Uplink User Capacity for Massive MIMO Cellular Networks. , 2016, , .  |     | 2         |
| 58 | Symbol Error Probability of Cluster-Based Cooperative Cellular Networks. , 2016, , .   |     | 1         |
| 59 | Energy Modeling and Optimization of Cooperative Dual-Relay Systems. , 2016, , .  |     | 0         |
| 60 | Beamforming for total energy maximization in MISO networks. , 2016, , .  |     | 0         |
| 61 | Modelling interference in high altitude platforms with 3D LoS massive MIMO. , 2016, , .  |     | 11        |
| 62 | Buffer-Aided Relaying Improves Throughput of Full-Duplex Relay Networks With Fixed-Rate Transmissions. IEEE Communications Letters, 2016, 20, 2446-2449. | 4.1 | 17        |
| 63 | Beamformer design for wireless energy transfer with fairness. , 2016, , .  |     | 19        |
| 64 | Interference scaling in multi-cell network with rate guarantees. , 2016, , .   |     | 0         |
| 65 | Optimal Energy Harvesting Protocols for Wireless Relay Networks. IEEE Transactions on Wireless Communications, 2016, 15, 5789-5803.                      | 9.2 | 99        |
| 66 | Distribution of number of users per cell in a poisson wireless network with shadowing. , 2016, , .   |     | 3         |
| 67 | Modeling and Analysis of Opportunistic Beamforming for Poisson Wireless Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3732-3745.     | 9.2 | 6         |
| 68 | SIR coverage in an uplink poisson cellular network with LoS massive MIMO. , 2016, , .  |     | 0         |
| 69 | Performance Analysis of Centralized and Partially Decentralized Co-Operative Networks. IEEE Transactions on Communications, 2016, 64, 863-875.           | 7.8 | 4         |
| 70 | Optimal Power-Splitting Ratio for Wireless Energy Harvesting in Relay Networks. , 2015, , .  |     | 13        |
| 71 | On the sum capacity of cluster-based cooperative cellular networks. , 2015, , .  |     | 2         |
| 72 | Interference in LoS massive MIMO is well approximated by a Beta-mixture. , 2015, , .   |     | 8         |

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|----|---|-----|-----------|
| 73 | Optimizing User Selection Schemes in Vector Broadcast Channels. IEEE Transactions on Communications, 2015, 63, 565-577.                                       | 7.8 | 9         |
| 74 | An SNR Approximation for Distributed Massive MIMO With Zero Forcing. IEEE Communications Letters, 2015, 19, 1885-1888.  | 4.1 | 10        |
| 75 | Time-switching energy harvesting in relay networks. , 2015, , .   |     | 36        |
| 76 | Distributed LMMSE estimation in cooperative cellular networks. , 2015, , .  |     | 2         |
| 77 | Binary Power Allocation in Symmetric Wyner-Type Interference Networks. IEEE Transactions on Wireless Communications, 2014, 13, 6903-6914.                     | 9.2 | 3         |
| 78 | Uplink coverage and spatial blocking in Poisson cellular networks. , 2014, , .  |     | 3         |
| 79 | Secrecy rate maximization for cooperative overlay cognitive radio networks with artificial noise. , 2014, , .   |     | 15        |
| 80 | On Optimal Downlink Coverage in Poisson Cellular Networks with Power Density Constraints. IEEE Transactions on Communications, 2014, 62, 1382-1392.           | 7.8 | 20        |
| 81 | Base Station Cooperation With Feedback Optimization: A Large System Analysis. IEEE Transactions on Information Theory, 2014, 60, 3620-3644.                   | 2.4 | 16        |
| 82 | Transmission rank selection for opportunistic beamforming with Quality of Service constraints. , 2014, , .  |     | 4         |
| 83 | Error probability bounds for interference-limited cooperative networks. , 2014, , .   |     | 3         |
| 84 | On the Outage Capacity of Opportunistic Beamforming With Random User Locations. IEEE Transactions on Communications, 2014, 62, 3015-3026.                     | 7.8 | 15        |
| 85 | On the Bit Error Probability of Optimal Multiuser Detectors in Cooperative Cellular Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 2472-2478. | 6.3 | 6         |
| 86 | Multi-cell opportunistic beamforming in interference-limited networks. , 2014, , .  |     | 2         |
| 87 | Maximizing the Coverage-Intensity Product in random cellular networks. , 2014, , .  |     | 1         |
| 88 | A word from the general and technical program co-chair. , 2014, , .   |     | 0         |
| 89 | On the energy efficiency of coherent communication in multipath fading channels. , 2014, , .  |     | 0         |
| 90 | Service-Outage Capacity Maximization in Cognitive Radio for Parallel Fading Channels. IEEE Transactions on Communications, 2013, 61, 507-520.                 | 7.8 | 8         |

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|-----|---|-----|-----------|
| 91  | Optimal SNR-based coverage in Poisson cellular networks with power density constraints. , 2013, , .   |     | 6         |
| 92  | Performance of multi-mode transmission with finite rate feedback in MIMO broadcast systems. , 2013, , .   |     | 0         |
| 93  | Spatial blocking in Poisson cellular networks with random channel reuse. , 2013, , .  |     | 1         |
| 94  | Optimal Selective Feedback Policies for Opportunistic Beamforming. IEEE Transactions on Information Theory, 2013, 59, 2897-2913.                                    | 2.4 | 73        |
| 95  | Compressed Sensing With Prior Information: Information-Theoretic Limits and Practical Decoders. IEEE Transactions on Signal Processing, 2013, 61, 427-439.          | 5.3 | 63        |
| 96  | The feedback-capacity tradeoff for opportunistic beamforming under optimal user selection. Performance Evaluation, 2013, 70, 472-492.                               | 1.2 | 9         |
| 97  | On the bit error probability for interference limited cooperative networks. , 2013, , .   |     | 0         |
| 98  | Transmission mode selection in a heterogeneous network using opportunistic beamforming. , 2013, , .   |     | 2         |
| 99  | Optimal Power Allocation and User Loading for Multiuser MISO Channels with Regularized Channel Inversion. IEEE Transactions on Communications, 2013, 61, 5030-5041. | 7.8 | 21        |
| 100 | Optimal multiuser detection in a cooperative two-cell network. , 2013, , .  |     | 9         |
| 101 | Opportunistic Beamforming with Precoder Diversity in Multi-User MIMO Systems. , 2013, , .   |     | 3         |
| 102 | Optimal SINR-Based Coverage in Poisson Cellular Networks with Power Density Constraints. , 2013, , .  |     | 7         |
| 103 | Modified semi-orthogonal User Scheduling scheme with optimized user selection parameter. , 2013, , .  |     | 1         |
| 104 | Error Probability Bounds for Multiuser Detection in Cooperative Cellular Networks. , 2013, , .  |     | 1         |
| 105 | Outage capacity of opportunistic beamforming with random user locations. , 2013, , .  |     | 2         |
| 106 | Optimal selective feedback policies for opportunistic beamforming under peak feedback constraints. , 2012, , .  |     | 1         |
| 107 | Dynamic Multi-User MIMO scheduling with limited feedback in LTE-Advanced. , 2012, , .   |     | 10        |
| 108 | Base station cooperation with limited feedback: A large system analysis. , 2012, , .  |     | 4         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Base station cooperation with noisy analog channel feedback: A large system analysis. , 2012, , .   |     | 3         |
| 110 | Theoretical Characterization of Nonlinear Clipping Effects in IM/DD Optical OFDM Systems. IEEE Transactions on Communications, 2012, 60, 2304-2312.   | 7.8 | 60        |
| 111 | Performance Analysis for Optical OFDM Transmission in Short-Range IM/DD Systems. Journal of Lightwave Technology, 2012, 30, 974-983.                  | 4.6 | 80        |
| 112 | Design of Distributed Detection Schemes for Multiaccess Channels. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1552-1569.         | 4.7 | 10        |
| 113 | How much training is needed in fading multiple access channels?. , 2011, , .  |     | 2         |
| 114 | Optimal training for Time-Division Duplexed systems with transmit beamforming. , 2011, , .  |     | 4         |
| 115 | A Tone Reservation-Based Optical OFDM System for Short-Range IM/DD Transmission. Journal of Lightwave Technology, 2011, 29, 3824-3833.                | 4.6 | 1         |
| 116 | Service-Outage Capacity Maximization in Cognitive Radio. , 2011, , .  |     | 4         |
| 117 | Asymptotics and Power Allocation for State Estimation Over Fading Channels. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 611-633. | 4.7 | 24        |
| 118 | Vector broadcast channels: Optimality of threshold feedback policies. , 2011, , .   |     | 2         |
| 119 | The Feedback-Capacity Tradeoff for Opportunistic Beamforming. , 2011, , .   |     | 8         |
| 120 | Vector broadcast channels: Optimal threshold selection problem. , 2011, , .   |     | 2         |
| 121 | Downlink Beamforming with Transmit-Side Channel Correlation: A Large System Analysis. , 2011, , .   |     | 39        |
| 122 | Rate optimal limited feedback policies for the MIMO downlink. , 2011, , .   |     | 3         |
| 123 | Linear programming for tone reservation based IM/DD optical OFDM communications. , 2011, , .  |     | 0         |
| 124 | Decision Fusion Over Noncoherent Fading Multiaccess Channels. IEEE Transactions on Signal Processing, 2011, 59, 4367-4380.                            | 5.3 | 46        |
| 125 | Optimal power allocation for multiuser transmit beamforming via regularized channel inversion. , 2011, , .  |     | 4         |
| 126 | An Optimal Tone Reservation Method for IM/DD Optical OFDM Transmission in Multimode Fiber. , 2011, , .  |     | 1         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Maximizing the Sum Rate in Symmetric Networks of Interfering Links. IEEE Transactions on Information Theory, 2010, 56, 4471-4487.                                     | 2.4 | 27        |
| 128 | On Optimal Power Allocation for a Class of Interference Networks. , 2010, , .   |     | 2         |
| 129 | Optimal Binary Power Allocation for Wireless Networks with Local Interference. , 2010, , .  |     | 7         |
| 130 | The Optimal Observability of Partially Observable Markov Decision Processes: Discrete State Space. IEEE Transactions on Automatic Control, 2010, 55, 2793-2798.       | 5.7 | 4         |
| 131 | Successive Decoding of Anti-Periodic OFDM Signals in IM/DD Optical Channel. , 2010, , .   |     | 23        |
| 132 | A Distributed Hybrid Filter for target tracking in sensor networks. , 2009, , .   |     | 0         |
| 133 | SCALE: A Low-Complexity Distributed Protocol for Spectrum Balancing in Multiuser DSL Networks. IEEE Transactions on Information Theory, 2009, 55, 3711-3724.          | 2.4 | 331       |
| 134 | Kalman filtering with faded measurements. Automatica, 2009, 45, 2223-2233.  | 5.0 | 103       |
| 135 | Diversity Combining for Asymmetrically Clipped Optical OFDM in IM/DD Channels. , 2009, , .  |     | 47        |
| 136 | Performance Evaluation of Optical OFDM Systems with Nonlinear Clipping Distortion. , 2009, , .  |     | 12        |
| 137 | Maximizing the sum rate in symmetric networks of interfering links. , 2009, , .   |     | 5         |
| 138 | An Improved Upperbound for $(n, k, m)$ Systematic Convolutional Codes in Burst Erasure Channels. , 2009, , .  |     | 1         |
| 139 | Burst Erasure Correction Capabilities of $(n, n-1)$ Convolutional Codes. , 2009, , .  |     | 4         |
| 140 | Distributed Downlink Beamforming With Cooperative Base Stations. IEEE Transactions on Information Theory, 2008, 54, 5491-5499.  | 2.4 | 163       |
| 141 | Maximal Lifetime Power and Rate Allocation for Wireless Sensor Systems With Data Distortion Constraints. IEEE Transactions on Signal Processing, 2008, 56, 2076-2090. | 5.3 | 15        |
| 142 | Distributed Decoding in a Cellular Multiple-Access Channel. IEEE Transactions on Wireless Communications, 2008, 7, 241-250.   | 9.2 | 59        |
| 143 | Maximising sum rate for two interfering wireless links. , 2008, , .   |     | 11        |
| 144 | Performance Analysis of Dual-Hop OFDM Relay Systems with Subcarrier Mapping. , 2008, , .  |     | 37        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Maximizing the sum rate in symmetric networks of interfering links under flat power constraints. , 2008, , .  |     | 4         |
| 146 | Design of distributed detection schemes for multiaccess channels. , 2008, , .   |     | 5         |
| 147 | Capacity of OFDM systems in Nakagami-m fading channels: The role of channel frequency selectivity. , 2008, , .  |     | 3         |
| 148 | On Kalman Smoothing With Random Packet Loss. IEEE Transactions on Signal Processing, 2008, 56, 3346-3351.   | 5.3 | 24        |
| 149 | On Kalman filtering with faded measurements. , 2008, , .  |     | 4         |
| 150 | Multiuser Transmit Beamforming via Regularized Channel Inversion: A Large System Analysis. , 2008, , .  |     | 87        |
| 151 | Optimal strategies for distributed detection over multiaccess channels. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .         | 1.8 | 13        |
| 152 | Power efficient state estimation using multiple sensors. , 2008, , .  |     | 0         |
| 153 | Decision Fusion over Noncoherent Fading Multiaccess Channels. , 2008, , .   |     | 4         |
| 154 | On Power Allocation for Dual-Hop Amplify-and-Forward OFDM Relay Systems. , 2008, , .  |     | 9         |
| 155 | Optimal and Distributed Protocols for Cross-Layer Design of Physical and Transport Layers in MANETs. IEEE/ACM Transactions on Networking, 2008, 16, 1392-1405.                          | 3.8 | 104       |
| 156 | Band Preference Design Algorithms for Improved Iterative Water-Filling. , 2007, , .   |     | 1         |
| 157 | Maximal Lifetime Rate and Power Allocation for Sensor Networks with Data Distortion Constraints. , 2007, , .  |     | 3         |
| 158 | Chromatic dispersion and PMD mitigation at 10 Gb/s using Viterbi equalization for DPSK and DQPSK modulation formats. Optics Express, 2007, 15, 5271.                                    | 3.4 | 29        |
| 159 | On the Capacity of Cellular Networks with Global LMMSE Receiver. , 2007, , .  |     | 5         |
| 160 | Distributed Downlink Beamforming in Cellular Networks. , 2007, , .  |     | 15        |
| 161 | Transactions Letters - Outage Capacity and Optimal Power Allocation for Multiple Time-Scale Parallel Fading Channels. IEEE Transactions on Wireless Communications, 2007, 6, 2369-2373. | 9.2 | 2         |
| 162 | Error Exponents for Neyman-Pearson Detection of Markov Chains in Noise. , 2007, , .   |     | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Probability of Error Analysis for Hidden Markov Model Filtering With Random Packet Loss. IEEE Transactions on Signal Processing, 2007, 55, 809-821.     | 5.3 | 7         |
| 164 | Error Exponents for Neyman-Pearson Detection of Markov Chains in Noise. IEEE Transactions on Signal Processing, 2007, 55, 5097-5103.                    | 5.3 | 5         |
| 165 | Adaptive resource allocation in OFDMA systems with fairness and QoS constraints. European Transactions on Telecommunications, 2007, 18, 549-562.        | 1.2 | 6         |
| 166 | Low-Complexity Distributed Algorithms for Spectrum Balancing in Multi-User DSL Networks. , 2006, , .  |     | 218       |
| 167 | PMD mitigation at 10 Gb/s using viterbi equalizer for DPSK and DQPSK modulation formats. , 2006, , .  |     | 0         |
| 168 | Frequency-Correlation Analysis of PMD Emulators With Symmetric Polarization Scrambling. Journal of Lightwave Technology, 2006, 24, 3897-3906.           | 4.6 | 4         |
| 169 | Outage-based optimal power control for generalized multiuser fading channels. IEEE Transactions on Communications, 2006, 54, 693-703.                   | 7.8 | 22        |
| 170 | Scaling results on the sum capacity of cellular networks with MIMO links. IEEE Transactions on Information Theory, 2006, 52, 3264-3274.                 | 2.4 | 119       |
| 171 | Distributed Base Station Processing in the Uplink of Cellular Networks. , 2006, , .   |     | 11        |
| 172 | On the Capacity of Cellular Networks with MIMO Links. , 2006, , .   |     | 9         |
| 173 | Viterbi Equalizer for Chromatic Dispersion and PMD Mitigation in DPSK and DQPSK Systems at 10 Gb/s. , 2006, , .   |     | 0         |
| 174 | Distributed Cross-Layer Optimization of MANETs in Composite Fading. , 2006, , .   |     | 13        |
| 175 | Optimal Power Control Over Multiple Time-Scale Fading Channels With Service Outage Constraints. IEEE Transactions on Communications, 2005, 53, 708-717. | 7.8 | 9         |
| 176 | Optimal multistage linear multiuser receivers. IEEE Transactions on Wireless Communications, 2005, 4, 1092-1101.  | 9.2 | 10        |
| 177 | Optimal power control for Rayleigh-faded multiuser systems with outage constraints. IEEE Transactions on Wireless Communications, 2005, 4, 2705-2715.   | 9.2 | 79        |
| 178 | Transmit beamforming with cooperative base stations. , 2005, , .  |     | 24        |
| 179 | Optical signal-to-noise ratio monitoring using uncorrelated beat noise. IEEE Photonics Technology Letters, 2005, 17, 2484-2486.                         | 2.5 | 33        |
| 180 | Information capacity of wyner's cellular network with LMMSE receivers. , 2004, , .  |     | 2         |

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|-----|---|-----|-----------|
| 181 | Outage-based power control for generalized multiuser fading channels. , 2004, , .   |     | 8         |
| 182 | Performance analysis of LMMSE receivers for M-ary QAM in Rayleigh faded CDMA channels. IEEE Transactions on Vehicular Technology, 2003, 52, 1242-1253.            | 6.3 | 14        |
| 183 | Large system performance of second-order linear multistage CDMA receivers. IEEE Transactions on Wireless Communications, 2003, 2, 591-600.                        | 9.2 | 2         |
| 184 | Optimal resource allocation for pilot symbol aided multiuser receivers in Rayleigh faded CDMA channels. IEEE Transactions on Communications, 2002, 50, 1316-1325. | 7.8 | 16        |
| 185 | Large system analysis of linear multistage parallel interference cancellation. IEEE Transactions on Communications, 2002, 50, 1778-1786.                          | 7.8 | 40        |
| 186 | Optimal sensor scheduling for hidden Markov model state estimation. International Journal of Control, 2001, 74, 1737-1742.  | 1.9 | 35        |
| 187 | Large system performance of linear multiuser receivers in multipath fading channels. IEEE Transactions on Information Theory, 2000, 46, 2059-2078.                | 2.4 | 255       |
| 188 | Image-enhanced multiple model tracking. Automatica, 1999, 35, 1769-1786.  | 5.0 | 51        |
| 189 | Optimal filtering of doubly stochastic auto-regressive processes. Automatica, 1999, 35, 241-250.  | 5.0 | 4         |
| 190 | Effective bandwidth-based admission control for multiservice CDMA cellular networks. IEEE Transactions on Vehicular Technology, 1999, 48, 36-46.                  | 6.3 | 146       |
| 191 | On the teletraffic capacity of CDMA cellular networks. IEEE Transactions on Vehicular Technology, 1999, 48, 153-165.  | 6.3 | 122       |
| 192 | Exact filters for doubly stochastic AR models with conditionally Poisson observations. IEEE Transactions on Automatic Control, 1999, 44, 794-798.                 | 5.7 | 5         |
| 193 | Hidden Markov model state estimation with randomly delayed observations. IEEE Transactions on Signal Processing, 1999, 47, 2157-2166.                             | 5.3 | 35        |
| 194 | Finite-Dimensional Filters for Passive Tracking of Markov Jump Linear Systems. Automatica, 1998, 34, 765-770.   | 5.0 | 18        |
| 195 | A multiple model framework for image-enhanced tracking of maneuvering targets. , 1998, , .  |     | 2         |
| 196 | Finite dimensional filters for random parameter AR models. , 1997, , .  |     | 3         |
| 197 | Call admission control in multiple service DS-CDMA cellular networks. , 0, , .  |     | 11        |
| 198 | Effective interference: a novel approach for interference modelling and traffic analysis in CDMA cellular networks. , 0, , .                                      |     | 2         |

| #   | ARTICLE  | IF | CITATIONS |
|-----|--|----|-----------|
| 199 | Continuous and discrete time filters for Markov jump linear systems with Gaussian observations. , 0, , .         |    | 2         |
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| 208 | Optimal resource allocation for pilot symbol aided multiuser receivers in Rayleigh faded CDMA channels. , 0, , . |    | 5         |
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