Erchin Serpedin

List of Publications by Year
in descending order

207 papers	4,530 citations	136950 32 h-index	123424 61 g-index
213 all docs	213 docs citations	213 times ranked	3917 citing authors

#	Article	IF	Citations
1	Limiting the Failure Impact of Interdependent Power-Communication Networks via Optimal Partitioning. IEEE Transactions on Smart Grid, 2023, 14, 732-745.	9.0	2
2	Joint Detection and Localization of Stealth False Data Injection Attacks in Smart Grids Using Graph Neural Networks. IEEE Transactions on Smart Grid, 2022, 13, 807-819.	9.0	39
3	Graph Neural Networks Based Detection of Stealth False Data Injection Attacks in Smart Grids. IEEE Systems Journal, 2022, 16, 2946-2957.	4.6	37
4	Toward a Universal Measure of Facial Difference Using Two Novel Machine Learning Models. Plastic and Reconstructive Surgery - Global Open, 2022, 10, e4034.	0.6	1
5	Deep Autoencoder-Based Anomaly Detection of Electricity Theft Cyberattacks in Smart Grids. IEEE Systems Journal, 2022, 16, 4106-4117.	4.6	53
6	Generating Connected, Simple, and Realistic Cyber Graphs for Smart Grids. , 2022, , .		1
7	Cyberattack Detection in Large-Scale Smart Grids using Chebyshev Graph Convolutional Networks. , 2022, , .		3
8	Efficient Prediction of Link Outage in Mobile Optical Wireless Communications. IEEE Transactions on Wireless Communications, 2021, 20, 882-896.	9.2	10
9	Robust Electricity Theft Detection Against Data Poisoning Attacks in Smart Grids. IEEE Transactions on Smart Grid, 2021, 12, 2675-2684.	9.0	39
10	Deep Autoencoder-based Detection of Electricity Stealth Cyberattacks in AMI Networks. , 2021, , .		7
11	Artificial Intelligence for Smart Resource Management in Multi-User Mobile Heterogeneous RF-Light Networks. IEEE Wireless Communications, 2021, 28, 152-158.	9.0	6
12	Detecting Electricity Theft Cyber-Attacks in AMI Networks Using Deep Vector Embeddings. IEEE Systems Journal, 2021, 15, 4189-4198.	4.6	32
13	Hybrid RF/VLC Systems: A Comprehensive Survey on Network Topologies, Performance Analyses, Applications, and Future Directions. IEEE Access, 2021, 9, 160402-160436.	4.2	41
14	Analysis of EV Charging Coordination Efficiency in Presence of Cheating Customers. IEEE Access, 2021, 9, 153666-153677.	4.2	1
15	On the Impact of Control Center Allocation on Power-Communication Network Vulnerability. , 2021, , .		0
16	Robust Recurrent CNV Detection in the Presence of Inter-Subject Variability. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1056-1067.	3.0	0
17	Dynamic Joint Allocation of EV Charging Stations and DGs in Spatio-Temporal Expanding Grids. IEEE Access, 2020, 8, 7280-7294.	4.2	16
18	Q-Learning Based Two-Timescale Power Allocation for Multi-Homing Hybrid RF/VLC Networks. IEEE Wireless Communications Letters, 2020, 9, 443-447.	5.0	31

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19	Stochastic Geometry-Based Model for Dynamic Allocation of Metering Equipment in Spatio-Temporal Expanding Power Grids. IEEE Transactions on Smart Grid, 2020, 11, 2080-2091.	9.0	18
20	Single-Cell Expression Variability Implies Cell Function. Cells, 2020, 9, 14.	4.1	27
21	A3D: Attention-based auto-encoder anomaly detector for false data injection attacks. Electric Power Systems Research, 2020, 189, 106795.	3.6	24
22	Stochastic Geometry Model for Interdependent Cyber-Physical Communication-Power Networks. , 2020, , .		6
23	Personalized quantification of facial normality: a machine learning approach. Scientific Reports, 2020, 10, 21375.	3.3	6
24	Channel Characterization and Realization of Mobile Optical Wireless Communications. IEEE Transactions on Communications, 2020, 68, 6426-6439.	7.8	19
25	Stochastic Geometry Planning of Electric Vehicles Charging Stations. , 2020, , .		2
26	Improving the Modulation Designs for Visible Light Communications with Signal-Dependent Noise. IEEE Communications Magazine, 2020, 58, 26-32.	6.1	8
27	Data-Driven Link Assignment With QoS Guarantee in Mobile RF-Optical HetNet of Things. IEEE Internet of Things Journal, 2020, 7, 5088-5102.	8.7	12
28	Rotated Color Shift Keying for Visible Light Communications With Signal-Dependent Noise. IEEE Communications Letters, 2020, 24, 844-848.	4.1	9
29	Deep Learning Detection of Electricity Theft Cyber-Attacks in Renewable Distributed Generation. IEEE Transactions on Smart Grid, 2020, 11, 3428-3437.	9.0	116
30	Data-Driven Multi-homing Resource Allocation in Mobile 5G+ HetNets. , 2020, , 105-117.		0
31	Handover Framework inÂMobile 5G+ HetNets. , 2020, , 73-103.		0
32	Realization and Dataset Generation forÂMobile Indoor Channels. , 2020, , 41-71.		1
33	Introduction: Challenges in 5G+HetNet Integration. , 2020, , 1-9.		1
34	Deep Learning-Based Detection of Electricity Theft Cyber-Attacks in Smart Grid AMI Networks. Advanced Sciences and Technologies for Security Applications, 2019, , 73-102.	0.5	19
35	PPETD: Privacy-Preserving Electricity Theft Detection Scheme With Load Monitoring and Billing for AMI Networks. IEEE Access, 2019, 7, 96334-96348.	4.2	60
36	Single-cell RNA sequencing of a European and an African lymphoblastoid cell line. Scientific Data, 2019, 6, 112.	5.3	23

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37	Toward Solar Energy Harvesting for Small Cell Networks: Technology, Feasibility, and Challenges. , 2019, , .		0
38	Deep Recurrent Electricity Theft Detection in AMI Networks with Evolutionary Hyper-Parameter Tuning. , 2019, , .		21
39	Energy Efficient Optimization of Base Station Intensities for Hybrid RF/VLC Networks. IEEE Transactions on Wireless Communications, 2019, 18, 4171-4183.	9.2	27
40	Energy Efficient Optimization of Base Station Density for VLC Networks. , 2019, , .		2
41	Magnesium-Based Bioresorbable Stent Materials: Review of Reviews. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	24
42	Learning-Based Defense of False Data Injection Attacks in Power System State Estimation. , 2019, , .		3
43	Capacity Maximizing Power Allocation for Multi-Channel Visible Light Communications. , 2019, , .		0
44	Blockchain-Based Charging Coordination Mechanism for Smart Grid Energy Storage Units. , 2019, , .		52
45	Distance-Range-Oriented Constellation Design for VLC-SCMA Downlink With Signal-Dependent Noise. IEEE Communications Letters, 2019, 23, 434-437.	4.1	10
46	Joint Planning of Smart EV Charging Stations and DGs in Eco-Friendly Remote Hybrid Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 5819-5830.	9.0	94
47	An Efficient Planning Algorithm for Hybrid Remote Microgrids. IEEE Transactions on Sustainable Energy, 2019, 10, 257-267.	8.8	97
48	Privacy-Preserving Fine-Grained Data Retrieval Schemes for Mobile Social Networks. IEEE Transactions on Dependable and Secure Computing, 2019, 16, 871-884.	5.4	6
49	SparseNCA: Sparse Network Component Analysis for Recovering Transcription Factor Activities with Incomplete Prior Information. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 387-395.	3.0	8
50	Joint Spectrum Sensing and Resource Allocation in Multi-Band-Multi-User Cognitive Radio Networks. IEEE Transactions on Communications, 2018, 66, 3281-3293.	7.8	24
51	Spatio-Temporal Coordinated V2V Energy Swapping Strategy for Mobile PEVs. IEEE Transactions on Smart Grid, 2018, 9, 1566-1579.	9.0	62
52	On the performance of a nonorthogonal multiple‐access technique for downlink MIMO cooperative networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3225.	3.9	3
53	Joint Decision of Sensing Threshold and Power Allocation in OFDM Cognitive Radio Networks. , 2018, , .		1
54	On cooperative NOMA relay selection under Nakagami‐mfading and imperfect channel estimation. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3535.	3.9	3

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55	Outage Probability Analysis in a Cooperative Non-orthogonal Multiple Access Relaying Network. , 2018, , .		0
56	Robust Fussed Lasso Model for Recurrent Copy Number Variation Detection. , 2018, , .		0
57	Deep Recurrent Electricity Theft Detection in AMI Networks with Random Tuning of Hyper-parameters. , 2018, , .		40
58	Efficient detection of electricity theft cyber attacks in AMI networks. , 2018, , .		28
59	Simulating variance heterogeneity in quantitative genome wide association studies. BMC Bioinformatics, 2018, 19, 72.	2.6	6
60	Optimal resource allocation for downlink OFDM-Based cognitive radio networks. , 2017, , .		3
61	Consistent metagenomic biomarker detection via robust PCA. Biology Direct, 2017, 12, 4.	4.6	15
62	From D2D to Ds2D: Prolonging the Battery Life of Mobile Devices via Ds2D Communications. IEEE Wireless Communications, 2017, 24, 55-63.	9.0	16
63	Sparse-low rank matrix decomposition framework for identifying potential biomarkers for inflammatory bowel disease. , 2017, , .		1
64	Performance Analysis of Nonorthogonal Multiple Access for Downlink Networks With Antenna Selection Over Nakagami-m Fading Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 10590-10594.	6.3	45
65	Performance Analysis of a 5G Energy-Constrained Downlink Relaying Network With Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2017, 16, 8333-8346.	9.2	37
66	Fair resource allocation in downlink OFDM-based cognitive radio networks. , 2017, , .		0
67	Reliable Biomarker discovery from Metagenomic data via RegLRSD algorithm. BMC Bioinformatics, 2017, 18, 328.	2.6	7
68	Do it yourself guide to genome assembly. Briefings in Functional Genomics, 2016, 15, 1-9.	2.7	27
69	An Overview on the Applications of Matrix Theory in Wireless Communications and Signal Processing. Algorithms, 2016, 9, 68.	2.1	6
70	Multi-hop cooperative relaying for energy efficient in vivo communications. , 2016, , .		1
71	Correction to â€œA Unifying Variational Perspective on Some Fundamental Information Theoretic Inequalitiesâ€• IEEE Transactions on Information Theory, 2016, 62, 4356-4357.	2.4	0
72	Combined matching pursuit and Wigner-Ville Distribution analysis for the discrimination of ictal heart rate variability. , 2016, , .		1

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73	Impact of Dynamic Planning on Uplink Service Quality in Heterogeneous Cellular Networks. , 2016, , .		0
74	Epileptic seizure onset detection based on EEG and ECG data fusion. Epilepsy and Behavior, 2016, 58, 48-60.	1.7	37
75	Efficient selection of source devices and radio interfaces for green Ds2D communications. , 2016, , .		4
76	Privacy-aware power charging coordination in future smart grid. , 2016, , .		10
77	Balanced Dynamic Planning in Green Heterogeneous Cellular Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 3299-3312.	14.0	12
78	CrossLink: a novel method for cross-condition classification of cancer subtypes. BMC Genomics, 2016, 17, 549.	2.8	2
79	Energy Efficient Resource Allocation for Mixed RF/VLC Heterogeneous Wireless Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 883-893.	14.0	158
80	On the Traffic Offloading in Wi-Fi Supported Heterogeneous Wireless Networks. Journal of Signal Processing Systems, 2016, 83, 225-240.	2.1	3
81	MARAGAP: a modular approach to reference assisted genome assembly pipeline. International Journal of Computational Biology and Drug Design, 2015, 8, 226.	0.3	2
82	An Overview of a Class of Clock Synchronization Algorithms for Wireless Sensor Networks: A Statistical Signal Processing Perspective. Algorithms, 2015, 8, 590-620.	2.1	13
83	An Overview of NCA-Based Algorithms for Transcriptional Regulatory Network Inference. Microarrays (Basel, Switzerland), 2015, 4, 596-617.	1.4	7
84	Experimental Characterization of In Vivo Wireless Communication Channels. , 2015, , .		8
85	Optimal on-body relay placement for energy efficient in vivo communications. , 2015, , .		0
86	Power allocation for maximizing energy efficiency of mixed RF/VLC wireless networks. , 2015, , .		7
87	Physical layer security for wireless implantable medical devices. , 2015, , .		17
88	PEV charging in the future smart grid. , 2015, , .		4
89	Spatial and temporal online charging/discharging coordination for mobile PEVs. IEEE Wireless Communications, 2015, 22, 112-121.	9.0	28
90	Band-sensitive seizure onset detection via CSP-enhanced EEG features. Epilepsy and Behavior, 2015, 50, 77-87.	1.7	32

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91	Uplink Decentralized Joint Bandwidth and Power Allocation for Energy-Efficient Operation in a Heterogeneous Wireless Medium. IEEE Transactions on Communications, 2015, 63, 1483-1495.	7.8	39
92	IDC Interference-Aware Resource Allocation for LTE/WLAN Heterogeneous Networks. IEEE Wireless Communications Letters, 2015, 4, 581-584.	5.0	3
93	Optimal planning of fast PEV charging facilities. , 2015, , .		18
94	Performance analysis of switch‐based multiuser scheduling schemes with adaptive modulation in spectrum sharing systems. Wireless Communications and Mobile Computing, 2015, 15, 2095-2110.	1.2	0
95	A Survey on Green Mobile Networking: From The Perspectives of Network Operators and Mobile Users. IEEE Communications Surveys and Tutorials, 2015, 17, 1535-1556.	39.4	129
96	A semi-distributed V2V fast charging strategy based on price control. , 2014, , .		25
97	On the capacity bounds of K-tier heterogeneous small-cell networks employing aggressive frequency reuse. , 2014, , .		0
98	Experimental Evaluation of MIMO Capacity for Ultrawideband Body-Centric Wireless Propagation Channels. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 495-498.	4.0	12
99	A win-win cooperative downlink resource allocation for green communications in a heterogeneous wireless medium. , 2014, , .		3
100	Dynamic planning with balanced energy efficiency for network operators and mobile users. , 2014, , .		1
101	A pricing-based load shifting framework for EV fast charging stations. , 2014, , .		20
102	Performance Analysis of Two-Way Relaying Networks with the N<sup>th</sup> Worst Relay Selection Over Various Fading Channels. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	21
103	Capacity analysis of spectrum sharing spatial multiplexing MIMO systems. Physical Communication, 2014, 13, 109-119.	2.1	2
104	Spectral efficiency improvements in HetNets by exploiting device-to-device communications. , 2014, , .		10
105	Ultra wideband in vivo radio channel characterisation and system modeling. , 2014, , .		3
106	Spectral and energy efficiency analysis of uplink heterogeneous networks with small-cells on edge. Physical Communication, 2014, 13, 27-41.	2.1	12
107	On the bits per joule optimization in cellular cognitive radio networks. , 2014, , .		1
108	Numerical characterisation and modeling of in-vivo radio communication. , 2014, , .		3

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109	A Variational Approach for Assessing the Capacity of a Memoryless Nonlinear MIMO Channel. IEEE Communications Letters, 2014, 18, 1315-1318.	4.1	4
110	End-to-end downlink power consumption of heterogeneous small-cell networks based on the probabilistic traffic model. , 2014, , .		8
111	Numerical characterization of in vivo wireless communication channels. , 2014, , .		6
112	Performance Analysis of Distributed Beamforming in a Spectrum Sharing System. IEEE Transactions on Vehicular Technology, 2013, 62, 1655-1666.	6.3	4
113	Joint Node Localization and Time-Varying Clock Synchronization in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5322-5333.	9.2	36
114	A Unifying Variational Perspective on Some Fundamental Information Theoretic Inequalities. IEEE Transactions on Information Theory, 2013, 59, 7132-7148.	2.4	1
115	K-tier heterogeneous small-cell networks: Towards balancing the spectrum usage and power consumption with aggressive frequency reuse. , 2013, , .		1
116	Comparison of different 1-D interpolation algorithms for estimation of shadow fading. , 2013, , .		0
117	Network-Wide Clock Synchronization via Message Passing with Exponentially Distributed Link Delays. IEEE Transactions on Communications, 2013, 61, 2012-2024.	7.8	23
118	Experimental analysis of energy detection for PSK and QAM signals: Indoor measurements. , 2013, , .		0
119	Performance Analysis of Amplify-and-Forward Two-Way Relaying with Co-Channel Interference and Channel Estimation Error. IEEE Transactions on Communications, 2013, 61, 2221-2231.	7.8	65
120	ROBNCA: Robust Network Component Analysis for recovering transcription factor activities. , 2013, , .		1
121	Performance Analysis of Cognitive Radio Multiple-Access Channels Over Dynamic Fading Environments. Wireless Personal Communications, 2013, 68, 1031-1045.	2.7	2
122	Analysis of mobility impact on interference in cognitive radio networks. Physical Communication, 2013, 9, 212-222.	2.1	4
123	Gaussian Assumption: The Least Favorable but the Most Useful [Lecture Notes]. IEEE Signal Processing Magazine, 2013, 30, 183-186.	5.6	51
124	A Study on Inter-Cell Subcarrier Collisions due to Random Access in OFDM-Based Cognitive Radio Networks. IEEE Transactions on Communications, 2013, 61, 1695-1707.	7.8	2
125	Cognitive Radio Networks with Orthogonal Space-Time Block Coding and Multiuser Diversity. IEEE Communications Letters, 2013, 17, 685-688.	4.1	8
126	An investigation of inter-cell subcarrier collisions in OFDM-based cognitive radio networks. , 2013, , .		0

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127	Ultrawideband Band-Notched Flexible Antenna for Wearable Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1606-1609.	4.0	94
128	ROBNCA: robust network component analysis for recovering transcription factor activities. Bioinformatics, 2013, 29, 2410-2418.	4.1	19
129	Downlink power consumption of HetNets based on the probabilistic traffic model of mobile users. , 2013, , .		7
130	Performance analysis of amplify-and-forward two-way relaying with co-channel interference and channel estimation error. , 2013, , .		10
131	A variational perspective over an extremal entropy inequality. , 2013, , .		0
132	Estimating Conditional Probabilities for the Detection of Unfavorable Copy Number Alterations in a Targeted Therapy. IEEE Transactions on Biomedical Engineering, 2013, 60, 2933-2942.	4.2	1
133	LTE codebook capacity loss for single-cell multi-user MIMO channels. , 2012, , .		2
134	MiB: A comparative assembly processing pipeline. , 2012, , .		3
135	Random Subcarrier Allocation in OFDM-Based Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2012, 60, 4758-4774.	5.3	26
136	Effects of mobility on uplink interference for short-range cognitive radio networks. , 2012, , .		0
137	On the Equivalence Between Stein and De Bruijn Identities. IEEE Transactions on Information Theory, 2012, 58, 7045-7067.	2.4	11
138	An information theoretic perspective over an extremal entropy inequality. , 2012, , .		0
139	On the equivalence between Stein identity and de Bruijn identity. , 2012, , .		0
140	Joint distributed parameter and channel estimation in wireless sensor networks via variational inference. , 2012, , .		0
141	New perspectives, extensions and applications of de Bruijn identity. , 2012, , .		1
142	Evaluating Dynamic Effects of Copy Number Alterations on Gene Expression Using a Single Transcription Model. IEEE Transactions on Biomedical Engineering, 2012, 59, 2726-2736.	4.2	3
143	Information theoretic methods for modeling of gene regulatory networks. , 2012, , .		4
144	Joint multiuser switched diversity and adaptive modulation schemes for spectrum sharing systems. , 2012, , .		1

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145	On OFDM-based cognitive radio spectrum sharing systems with random access. , 2012, , .		0
146	Review of General Algorithmic Features for Genome Assemblers for Next Generation Sequencers. Genomics, Proteomics and Bioinformatics, 2012, 10, 58-73.	6.9	37
147	Capacity limits of spectrumâ€sharing systems over hyperâ€fading channels. Wireless Communications and Mobile Computing, 2012, 12, 1471-1480.	1.2	10
148	A Factor Graph Approach to Clock Offset Estimation in Wireless Sensor Networks. IEEE Transactions on Information Theory, 2012, 58, 4244-4260.	2.4	30
149	Identifying genes associated with chemotherapy response in ovarian carcinomas based on DNA copy number and expression profiles. , 2011, , .		1
150	A cubature Kalman filter approach for inferring gene regulatory networks using time series data. , 2011, , .		1
151	Joint clock offset and skew estimation for inactive nodes in Wireless Sensor Networks. , 2011, , .		2
152	Robust Clock Synchronization in Wireless Sensor Networks Through Noise Density Estimation. IEEE Transactions on Signal Processing, 2011, 59, 3035-3047.	5.3	20
153	Reduced complexity blind deterministic frequency offset estimation in OFDM systems. , 2011, , .		0
154	Clock Synchronization of Wireless Sensor Networks. IEEE Signal Processing Magazine, 2011, 28, 124-138.	5.6	498
155	An Efficient Blind Deterministic Frequency Offset Estimator for OFDM Systems. IEEE Transactions on Communications, 2011, 59, 1133-1141.	7.8	40
156	On the statistics of sub-carrier collisions for cell-edge users and air interface capacity in OFDMA systems. , 2011, , .		1
157	Stochastic modeling of dynamic effects of copy number alterations upon gene expression levels. , 2011, , .		1
158	Capacity of cognitive radio multiple-access channels in dynamic fading environments. , 2011, , .		0
159	Some improved and generalized estimation schemes for clock synchronization of listening nodes in wireless sensor networks. IEEE Transactions on Communications, 2010, 58, 63-67.	7.8	28
160	Energy-Efficient Estimation of Clock Offset for Inactive Nodes in Wireless Sensor Networks. IEEE Transactions on Information Theory, 2010, 56, 582-596.	2.4	33
161	On Minimum Variance Unbiased Estimation of Clock Offset in a Two-Way Message Exchange Mechanism. IEEE Transactions on Information Theory, 2010, 56, 2893-2904.	2.4	27
162	On Clock Offset Estimation in Wireless Sensor Networks with Weibull Distributed Network Delays. , 2010, , .		2

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163	AM-signal detection in cognitive radios using first-order cyclostationarity. , 2010, , .		5
164	FSK-signal detection in cognitive radios using first-order cyclostationarity. , 2010, , .		4
165	Efficient algorithms and performance bounds for clock synchronization in Wireless Sensor Networks. , 2010, , .		0
166	Efficient detection of FSK-signals based on cyclic statistics. , 2010, , .		0
167	On Performance Bounds for Timing Estimation under Fading Channels. , 2009, , .		2
168	A new scheme for synchronization of inactive nodes in a sender-receiver protocol. , 2009, , .		0
169	A robust estimation scheme for clock phase offsets in wireless sensor networks in the presence of non-Gaussian random delays. Signal Processing, 2009, 89, 1155-1161.	3.7	25
170	Clock Synchronization in Wireless Sensor Networks: An Overview. Sensors, 2009, 9, 56-85.	3.8	167
171	Timing Synchronization in Decode-and-Forward Cooperative Communication Systems. IEEE Transactions on Signal Processing, 2009, 57, 1444-1455.	5.3	71
172	Multiple timing offsets compensation in cooperative communication systems. , 2009, , .		0
173	Achievable Capacity of a Spectrum Sharing System over Hyper Fading Channels. , 2009, , .		13
174	Adaptive Narrowband Interference Suppression inÂMultiband OFDM Receivers. Circuits, Systems, and Signal Processing, 2008, 27, 475-489.	2.0	2
175	A novel simplified channel tracking method for MIMOâ€"OFDM systems with null sub-carriers. Signal Processing, 2008, 88, 1002-1016.	3.7	11
176	On the Joint Synchronization of Clock Offset and Skew in RBS-Protocol. IEEE Transactions on Communications, 2008, 56, 700-703.	7.8	26
177	Walsh coded training signal aided time domain channel estimation for MIMO-OFDM systems. IEEE Transactions on Communications, 2008, 56, 1430-1433.	7.8	13
178	On Maximum Likelihood Estimation of Clock Offset and Skew in Networks With Exponential Delays. IEEE Transactions on Signal Processing, 2008, 56, 1685-1697.	5.3	103
179	A New Approach for Time Synchronization in Wireless Sensor Networks: Pairwise Broadcast Synchronization. IEEE Transactions on Wireless Communications, 2008, 7, 3318-3322.	9.2	193
180	Estimation of clock parameters and performance benchmarks for synchronization in Wireless Sensor Networks. , 2008, , .		1

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181	Improved Particle Filtering-Based Estimation of the Number of Competing Stations in IEEE 802.11 Networks. IEEE Signal Processing Letters, 2008, 15, 87-90.	3.6	22
182	Inferring Connectivity of Genetic Regulatory Networks Using Information-Theoretic Criteria. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2008, 5, 262-274.	3.0	64
183	Clock Offset and Skew Estimation in Wireless Sensor Networks with Known Deterministic Delays and Exponential Nondeterministic Delays. , 2008, , .		4
184	Performance of Hard Handoff in 1xEV-DO REV A. Systems with the Presence of Rayleigh and Correlated Lognormal Components. , 2008, , .		0
185	Maximum Likelihood Estimation of clock parameters for synchronization of wireless sensor networks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
186	Clock Drift Estimation in Networks with Symmetric Exponential Link Delays. , 2008, , .		1
187	Identifying drosophila cell-cycle regulated genes from irregular microarray data. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
188	Reconstruction of Genetic Regulatory Networks Based on the Posterior Probabilities of Gene Regulations. , 2007, , .		1
189	Estimation of Clock Parameters for Synchronization in Wireless Sensor Networks. , 2007, , .		2
190	Adaptive multi-hop timings synchronization for wireless sensor networks. , 2007, , .		6
191	An Analog Approach to Suppressing In-Band Narrow-Band Interference in UWB Receivers. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 941-950.	0.1	27
192	Recovering Genetic Regulatory Networks by Integrating Multiple Data Sources. , 2007, , .		0
193	Efficient Clock Synchronization in Wireless Sensor Networks. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	1
194	Particle Filtering of the Number of Competing Stations to Support Combined Access Modes in IEEE 802.11 Networks. , 2007, , .		0
195	Optimum Cooperation of the Cooperative Coding Scheme for Frequency Division Half-Duplex Relay Channels. IEEE Transactions on Wireless Communications, 2007, 6, 1654-1658.	9.2	8
196	Pairwise Broadcast Clock Synchronization for Wireless Sensor Networks. , 2007, , .		24
197	Sensitivity of Multiband ZP-OFDM Ultra-Wide-Band and Receivers to Synchronization Errors. IEEE Transactions on Signal Processing, 2007, 55, 729-734.	5.3	11
198	Impacts of Narrowband Interference on OFDM-UWB Receivers: Analysis and Mitigation. IEEE Transactions on Signal Processing, 2007, 55, 1118-1128.	5.3	79

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199	Novel Clock Phase Offset and Skew Estimation Using Two-Way Timing Message Exchanges for Wireless Sensor Networks. IEEE Transactions on Communications, 2007, 55, 766-777.	7.8	203
200	Inferring the Structure of Genetic Regulatory Networks Using Information Theoretic Tools. , 2006, , .		0
201	Impact of Narrowband Interference on Multi-Band OFDM Ultra Wideband Communication Systems. , 2006, , .		0
202	CTH15-2: Analysis of Clock Offset and Skew Estimation in Timing-sync Protocol for Sensor Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	9
203	Application of Gibbs Sampler for Clock Synchronization in Rbs-Protocol. , 2006, , .		1
204	Power-Efficient Clock Synchronization using Two-Way Timing Message Exchanges in Wireless Sensor Networks. , 2006, , .		5
205	Bibliography on cyclostationarity. Signal Processing, 2005, 85, 2233-2303.	3.7	106
206	Symbol timing estimation in MIMO correlated flat-fading channels. Wireless Communications and Mobile Computing, 2004, 4, 773-790.	1.2	9
207	A bibliography on nonlinear system identification. Signal Processing, 2001, 81, 533-580.	3.7	179