Tareq Y Al-Naffouri

List of Publications by Year
in descending order

		71102		110387
292	6,023	41	64	
papers	citations	h-index	g-index	
293	293	293	4300	
all docs	docs citations	times ranked	citing authors	

#	ARTICLE	IF	CITATIONS
1	Opportunistic Routing for Opto-Acoustic Internet of Underwater Things. IEEE Internet of Things Journal, 2022, 9, 2165-2179.	8.7	16
2	NLMS is More Robust to Input-Correlation Than LMS: A Proof. IEEE Signal Processing Letters, 2022, 29, 279-283.	3.6	2
3	Adaptive Subaperture Integration for Wide-Angle Synthetic Aperture Radar. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 118-129.	3.1	4
4	Body-Centric Terahertz Networks: Prospects and Challenges. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2022, 8, 138-157.	2.1	12
5	Enhanced Imaging for Forward Looking MIMO SAR Via Un-Supervised Deep Basis Pursuit. , 2022, , .		1
6	Joint Beamforming and Clustering for Energy Efficient Multi-Cloud Radio Access Networks. , 2022, , .		1
7	A Tutorial on Terahertz-Band Localization for 6G Communication Systems. IEEE Communications Surveys and Tutorials, 2022, 24, 1780-1815.	39.4	58
8	Terahertz-Band MIMO Systems: Adaptive Transmission and Blind Parameter Estimation. IEEE Communications Letters, 2021, 25, 641-645.	4.1	16
9	A Robust LCMP Beamformer with Limited Snapshots. , 2021, , .		2
10	Point-to-Point Communication in Integrated Satellite-Aerial 6G Networks: State-of-the-Art and Future Challenges. IEEE Open Journal of the Communications Society, 2021, 2, 1505-1525.	6.9	50
11	Diversity Schemes in Multi-hop Visible Light Communications for 6G Networks. Procedia Computer Science, 2021, 182, 140-149.	2.0	8
12	A Doubly Regularized Linear Discriminant Analysis Classifier With Automatic Parameter Selection. IEEE Access, 2021, 9, 51343-51354.	4.2	2
13	The Role of UAV-IoT Networks in Future Wildfire Detection. IEEE Internet of Things Journal, 2021, 8, 16984-16999.	8.7	66
14	The NLMS Is Steady-State Schur-Convex. IEEE Signal Processing Letters, 2021, 28, 389-393.	3.6	2
15	Analysis of Large Scale Aerial Terrestrial Networks with mmWave Backhauling. IEEE Transactions on Wireless Communications, 2021, 20, 8362-8380.	9.2	20
16	Phase-difference-based 3-D Source Localization Using a Compact Receiver Configuration. , 2021, , .		0
17	Robust 2d Indoor Positioning Algorithm in the Presence of Non-Line-of-Sight Signals. , 2021, , .		1
18	Low-Complexity Robust Beamforming for a Moving Source. , 2021, , .		2

#	Article	IF	Citations
19	DOA Estimation With Non-Uniform Linear Arrays: A Phase-Difference Projection Approach. IEEE Wireless Communications Letters, 2021, 10, 2435-2439.	5.0	7
20	Range Estimation of a Moving Target Using Ultrasound Differential Zadoff–Chu Codes. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	2
21	Optimal Deployment of Tethered Drones for Maximum Cellular Coverage in User Clusters. IEEE Transactions on Wireless Communications, 2021, 20, 2092-2108.	9.2	46
22	An Adaptive Regularization Approach to Portfolio Optimization. , 2021, , .		2
23	Wireless Communication for Flying Cars. Frontiers in Communications and Networks, 2021, 2, .	3.0	10
24	Millimeter-Wave Antenna Array Diagnosis with Partial Channel State Information. , 2021, , .		6
25	Deep Learning in the Industrial Internet of Things: Potentials, Challenges, and Emerging Applications. IEEE Internet of Things Journal, 2021, 8, 11016-11040.	8.7	102
26	Cloud-Enabled High-Altitude Platform Systems: Challenges and Opportunities. Frontiers in Communications and Networks, 2021, 2, .	3.0	11
27	Aortic blood pressure estimation: A hybrid machine-learning and cross-relation approach. Biomedical Signal Processing and Control, 2021, 68, 102762.	5.7	11
28	Meta Distribution of Downlink SIR for Binomial Point Processes. IEEE Wireless Communications Letters, 2021, 10, 1557-1561.	5.0	3
29	Viral Aerosol Concentration Characterization and Detection in Bounded Environments. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2021, 7, 185-199.	2.1	5
30	Power Minimization Using Rate Splitting With Statistical CSI in Cloud-Radio Access Networks. Frontiers in Communications and Networks, 2021, 2, .	3.0	0
31	Cost-sensitive design of quadratic discriminant analysis for imbalanced data. Pattern Recognition Letters, 2021, 149, 24-29.	4.2	2
32	An Overview of Signal Processing Techniques for Terahertz Communications. Proceedings of the IEEE, 2021, 109, 1628-1665.	21.3	158
33	A Maximum-Likelihood TDOA Localization Algorithm Using Difference-of-Convex Programming. IEEE Signal Processing Letters, 2021, 28, 309-313.	3.6	20
34	Manifold Optimization for High-Accuracy Spatial Location Estimation Using Ultrasound Waves. IEEE Transactions on Signal Processing, 2021, 69, 5078-5093.	5.3	4
35	TeraMIMO: A Channel Simulator for Wideband Ultra-Massive MIMO Terahertz Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 12325-12341.	6.3	44
36	Terahertz-Band MIMO-NOMA: Adaptive Superposition Coding and Subspace Detection. IEEE Open Journal of the Communications Society, 2021, 2, 2628-2644.	6.9	18

#	Article	IF	Citations
37	Combining Machine Learning and Blind Estimation for Central Aortic Blood Pressure Reconstruction. , 2021, 2021, 5512-5517.		1
38	Reduced complexity DOA and DOD estimation for a single moving target in bistatic MIMO radar. Signal Processing, 2020, 166, 107276.	3.7	5
39	Accurate 3-D Localization of Selected Smart Objects in Optical Internet of Underwater Things. IEEE Internet of Things Journal, 2020, 7, 937-947.	8.7	21
40	Precise 3-D GNSS Attitude Determination Based on Riemannian Manifold Optimization Algorithms. IEEE Transactions on Signal Processing, 2020, 68, 284-299.	5.3	7
41	End-to-End Performance Analysis of Underwater Optical Wireless Relaying and Routing Techniques Under Location Uncertainty. IEEE Transactions on Wireless Communications, 2020, 19, 1167-1181.	9.2	44
42	Optimal Joint Channel Estimation and Data Detection for Massive SIMO Wireless Systems: A Polynomial Complexity Solution. IEEE Transactions on Information Theory, 2020, 66, 1822-1844.	2.4	6
43	Analysis of 3D localization in underwater optical wireless networks with uncertain anchor positions. Science China Information Sciences, 2020, 63, 1.	4.3	13
44	Around the World of IoT/Climate Monitoring Using Internet of X-Things. IEEE Internet of Things Magazine, 2020, 3, 82-83.	2.6	10
45	Risk Convergence of Centered Kernel Ridge Regression with Large Dimensional Data. , 2020, , .		1
46	Stochastic Geometry Analysis of Hybrid Aerial Terrestrial Networks with mmWave Backhauling. , 2020, , .		15
47	Power Minimization Via Rate Splitting in Downlink Cloud-Radio Access Networks. , 2020, , .		13
48	Intelligent Surfaces for 6G Wireless Networks: A Survey of Optimization and Performance Analysis Techniques. IEEE Access, 2020, 8, 202795-202818.	4.2	116
49	Blind Estimation of Central Blood Pressure Using Least-Squares with Mean Matching and Box Constraints. , 2020, 2020, 2723-2727.		1
50	Box-Relaxation for BPSK Recovery in Massive MIMO: A Precise Analysis under Correlated Channels. , 2020, , .		4
51	Localization and Tracking Control Using Hybrid Acoustic–Optical Communication for Autonomous Underwater Vehicles. IEEE Internet of Things Journal, 2020, 7, 10048-10060.	8.7	28
52	Distributed Cloud Association and Beamforming in Downlink Multi-Cloud Radio Access Networks. , 2020, , .		3
53	Theory for Terahertz Communications. , 2020, , .		2
54	Ultramassive MIMO Systems at Terahertz Bands: Prospects and Challenges. IEEE Vehicular Technology Magazine, 2020, 15, 33-42.	3.4	73

#	Article	IF	Citations
55	Next Generation Terahertz Communications: A Rendezvous of Sensing, Imaging, and Localization. IEEE Communications Magazine, 2020, 58, 69-75.	6.1	218
56	Mode Selection and Power Allocation in Multi-Level Cache-Enabled Networks. IEEE Communications Letters, 2020, 24, 1789-1793.	4.1	5
57	Performance Analysis and Joint Statistical Beamformer Design for Multi-User MIMO Systems. IEEE Communications Letters, 2020, 24, 2152-2156.	4.1	19
58	GNSS Attitude Determination Using a Constrained Wrapped Least Squares Approach. , 2020, , .		3
59	Deployment and Evaluation of a Real-time Kinematic System Using tinc-VPN Software. , 2020, , .		1
60	Risk Convergence of Centered Kernel Ridge Regression With Large Dimensional Data. IEEE Transactions on Signal Processing, 2020, 68, 1574-1588.	5.3	4
61	A Large Dimensional Study of Regularized Discriminant Analysis. IEEE Transactions on Signal Processing, 2020, 68, 2464-2479.	5.3	18
62	Sensor placement and resource allocation for energy harvesting IoT networks. , 2020, 105, 102659.		8
63	A Software-Defined Opto-Acoustic Network Architecture for Internet of Underwater Things. IEEE Communications Magazine, 2020, 58, 88-94.	6.1	33
64	CubeSat Communications: Recent Advances and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1839-1862.	39.4	163
65	A Joint TDOA-PDOA Localization Approach Using Particle Swarm Optimization. IEEE Wireless Communications Letters, 2020, 9, 1240-1244.	5.0	28
66	A Tutorial on Clique Problems in Communications and Signal Processing. Proceedings of the IEEE, 2020, 108, 583-608.	21.3	8
67	Air-writing via Receiver Array Based Ultrasonic Source Localization. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	4.7	93
68	Correction to â€œOptimal Joint Channel Estimation and Data Detection for Massive SIMO Wireless Systems: A Polynomial Complexity Solutionâ€•[Mar 20 1822-1844]. IEEE Transactions on Information Theory, 2020, 66, 5316-5316.	2.4	1
69	When Wireless Communication Responds to COVID-19: Combating the Pandemic and Saving the Economy. Frontiers in Communications and Networks, 2020, 1, .	3.0	38
70	DOA Estimation with a Rank-deficient Covariance matrix: A Regularized Least-squares approach. , 2020, , .		0
71	Asymptotic Analysis of an Ensemble of Randomly Projected Linear Discriminants. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 914-930.	2.5	3
72	Toward the Internet of Underground Things: A Systematic Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 3443-3466.	39.4	78

#	Article	IF	Citations
73	A State-of-the-Art Survey on Multidimensional Scaling-Based Localization Techniques. IEEE Communications Surveys and Tutorials, 2019, 21, 3565-3583.	39.4	103
74	Terahertz-Band Ultra-Massive Spatial Modulation MIMO. IEEE Journal on Selected Areas in Communications, 2019, 37, 2040-2052.	14.0	113
75	Underwater optical wireless communications, networking, and localization: A survey. Ad Hoc Networks, 2019, 94, 101935.	5.5	285
76	Optical camera communications: Survey, use cases, challenges, and future trends. Physical Communication, 2019, 37, 100900.	2.1	66
77	3D Localization for Internet of Underground Things in Oil and Gas Reservoirs. IEEE Access, 2019, 7, 121769-121780.	4.2	10
78	A Decomposition Approach for Complex Gesture Recognition Using DTW and Prefix Tree. , 2019, , .		1
79	Asymptotic Performance of Linear Discriminant Analysis with Random Projections. , 2019, , .		4
80	Aeronautical Data Aggregation and Field Estimation in IoT Networks: Hovering and Traveling Time Dilemma of UAVs. IEEE Transactions on Wireless Communications, 2019, 18, 4620-4635.	9.2	42
81	Rate Splitting and Common Message Decoding for MIMO C-RAN Systems. , 2019, , .		12
82	Opportunistic Network Coding-Assisted Cloud Offloading in Heterogeneous Fog Radio Access Networks. IEEE Access, 2019, 7, 56147-56162.	4.2	15
83	Primary User Localization and Its Error Analysis in 5G Cognitive Radio Networks. Sensors, 2019, 19, 2035.	3.8	10
84	Localization of Energy Harvesting Empowered Underwater Optical Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2652-2663.	9.2	59
85	Precise Performance Analysis of the Box-Elastic Net Under Matrix Uncertainties. IEEE Signal Processing Letters, 2019, 26, 655-659.	3.6	8
86	Optimum pilot and data energy allocation for BPSK transmission over massive MIMO systems. , 2019, , .		4
87	Realtime 2-D DOA Estimation using Phase-Difference Projection (PDP). , 2019, , .		2
88	Towards Ultra-Reliable Low-Latency Underwater Optical Wireless Communications. , 2019, , .		11
89	SectOR: Sector-Based Opportunistic Routing Protocol for Underwater Optical Wireless Networks. , 2019, , .		12
90	Performance Analysis of Connectivity and Localization in Multi-Hop Underwater Optical Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2019, 18, 2604-2615.	5.8	49

#	ARTICLE	IF	CITATIONS
91	Fetal ECG extraction exploiting joint sparse supports in a dual dictionary framework. Biomedical Signal Processing and Control, 2019, 48, 46-60.	5.7	16
92	Outlier Detection and Optimal Anchor Placement for 3-D Underwater Optical Wireless Sensor Network Localization. IEEE Transactions on Communications, 2019, 67, 611-622.	7.8	52
93	On the Effect of Uplink Power Control on Temporal Retransmission Diversity. IEEE Wireless Communications Letters, 2019, 8, 309-312.	5.0	8
94	Distributed Robust Power Minimization for the Downlink of Multi-Cloud Radio Access Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 327-335.	5.5	8
95	Blind Source Separation Algorithms Using Hyperbolic and Givens Rotations for High-Order QAM Constellations. IEEE Transactions on Signal Processing, 2018, 66, 1802-1816.	5.3	7
96	Distributed Hybrid Scheduling in Multi-Cloud Networks Using Conflict Graphs. IEEE Transactions on Communications, 2018, 66, 209-224.	7.8	18
97	Compressive Sensing for Millimeter Wave Antenna Array Diagnosis. IEEE Transactions on Communications, 2018, 66, 2708-2721.	7.8	45
98	Optimal Caching in 5G Networks With Opportunistic Spectrum Access. IEEE Transactions on Wireless Communications, 2018, 17, 4447-4461.	9.2	17
99	Network-Coded Macrocell Offloading in Femtocaching-Assisted Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2644-2659.	6.3	17
100	FAST PHASE-DIFFERENCE-BASED DOA ESTIMATION USING RANDOM FERNS. , 2018, , .		3
101	Joint Scheduling and Beamforming via Cloud-Radio Access Networks Coordination. , 2018, , .		4
102	Aerial Data Aggregation in IoT Networks: Hovering & Traveling Time Dilemma. , 2018, , .		8
103	Flexible Design of Millimeter-Wave Cache Enabled Fog Networks. , 2018, , .		2
104	Robust Beamforming for Cache-Enabled Cloud Radio Access Networks. , 2018, , .		3
105	Regularized Discriminant Analysis: A Large Dimensional Study. , 2018, , .		4
106	Robust 3-D Location Estimation in the Presence of Anchor Placement and Range Errors. , 2018, , .		1
107	High Accuracy Acoustic Estimation of Multiple Targets. , 2018, , .		0
108	Improved Steady State Analysis of the Recursive Least Squares Algorithm. , 2018, , .		0

#	Article	IF	Citations
109	Underwater Optical Sensor Networks Localization with Limited Connectivity. , 2018, , .		28
110	Robust Estimation in Linear ILL-Posed Problems with Adaptive Regularization Scheme. , 2018, , .		1
111	Robust 3D Localization of Underwater Optical Wireless Sensor Networks via Low Rank Matrix Completion. , 2018, , .		10
112	Delay Reduction in Multi-Hop Device-to-Device Communication Using Network Coding. IEEE Transactions on Wireless Communications, 2018, 17, 7040-7053.	9.2	16
113	Measurement Selection: A Random Matrix Theory Approach. IEEE Transactions on Wireless Communications, 2018, 17, 4899-4911.	9.2	2
114	Connectivity Analysis of Underwater Optical Wireless Sensor Networks: A Graph Theoretic Approach. , 2018, , .		12
115	Energy Harvesting Hybrid Acoustic-Optical Underwater Wireless Sensor Networks Localization. Sensors, 2018, 18, 51.	3.8	66
116	Cross-Layer Cloud Offloading Using Fog Radio Access Networks and Network Coding. , 2018, , .		5
117	Optimum Training for MIMO BPSK Transmission. , 2018, , .		7
118	Perturbation-based regularization for signal estimation in linear discrete ill-posed problems. Signal Processing, 2018, 152, 35-46.	3.7	9
119	Modeling and performance analysis of multihop underwater optical wireless sensor networks. , 2018, , .		39
120	A Game-Theoretic Framework for Network Coding Based Device-to-Device Communications. IEEE Transactions on Mobile Computing, 2017, 16, 901-917.	5.8	12
121	Rate Aware Instantly Decodable Network Codes. IEEE Transactions on Wireless Communications, 2017, 16, 998-1011.	9.2	15
122	Velocity-Aware Handover Management in Two-Tier Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1851-1867.	9.2	87
123	Fluctuations of the SNR at the output of the MVDR with regularized Tyler estimators. Signal Processing, 2017, 135, 1-8.	3.7	4
124	Target parameter estimation for spatial and temporal formulations in MIMO radars using compressive sensing. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.7	3
125	DFT-Based Closed-Form Covariance Matrix and Direct Waveforms Design for MIMO Radar to Achieve Desired Beampatterns. IEEE Transactions on Signal Processing, 2017, 65, 2104-2113.	5.3	30
126	Instantly Decodable Network Coding: From Centralized to Device-to-Device Communications. IEEE Communications Surveys and Tutorials, 2017, 19, 1201-1224.	39.4	43

#	Article	IF	Citations
127	Decentralized SINR Balancing in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 3491-3496.	6.3	2
128	Image denoising via collaborative support-agnostic recovery. , 2017, , .		2
129	Performance Analysis of Beamforming in MU-MIMO Systems for Rayleigh Fading Channels. IEEE Access, 2017, 5, 3709-3720.	4.2	20
130	Capacity Bounds for the Gaussian IM-DD Optical Multiple-Access Channel. IEEE Transactions on Wireless Communications, 2017, 16, 3328-3340.	9.2	19
131	Enhancing Secrecy With Multiantenna Transmission in Millimeter Wave Vehicular Communication Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 8139-8151.	6.3	80
132	Joint sensor placement and power rating selection in energy harvesting wireless sensor networks. , 2017, , .		3
133	Principal pivot transforms on radix-2 DFT-type matrices. , 2017, , .		1
134	Mobility-Aware User Association in Uplink Cellular Networks. IEEE Communications Letters, 2017, 21, 2452-2455.	4.1	14
135	Low-Complexity Scheduling and Power Adaptation for Coordinated Cloud-Radio Access Networks. IEEE Communications Letters, 2017, 21, 2298-2301.	4.1	5
136	Stochastic geometry model for multi-channel fog radio access networks. , 2017, , .		3
137	BER analysis of regularized least squares for BPSK recovery. , 2017, , .		6
138	Decoding-Delay-Controlled Completion Time Reduction in Instantly Decodable Network Coding. IEEE Transactions on Vehicular Technology, 2017, 66, 2756-2770.	6.3	20
139	Online Cloud Offloading Using Heterogeneous Enhanced Remote Radio Heads. , 2017, , .		4
140	Energy-Aware Sensor Networks via Sensor Selection and Power Allocation. , 2017, , .		0
141	Numerically Stable Evaluation of Moments of Random Gram Matrices With Applications. IEEE Signal Processing Letters, 2017, 24, 1353-1357.	3.6	0
142	Joint sensor location/power rating optimization for temporally-correlated source estimation. , 2017, , .		2
143	Precise performance analysis of the LASSO under matrix uncertainties. , 2017, , .		3
144	Optimal Caching in Multicast 5G Networks with Opportunistic Spectrum Access. , 2017, , .		3

#	Article	IF	Citations
145	SNR Estimation in Linear Systems With Gaussian Matrices. IEEE Signal Processing Letters, 2017, 24, 1867-1871.	3.6	10
146	Image deblurring using a perturbation-based regularization approach. , 2017, , .		2
147	The BOX-LASSO with application to GSSK modulation in massive MIMO systems. , 2017, , .		13
148	Bounded Perturbation Regularization for Linear Least Squares Estimation. IEEE Access, 2017, 5, 27551-27562.	4.2	17
149	Zadoff-Chu coded ultrasonic signal for accurate range estimation. , 2017, , .		15
150	Asymptotic performance of regularized quadratic discriminant analysis based classifiers. , 2017, , .		9
151	Angle-of-arrival-based gesture recognition using ultrasonic multi-frequency signals. , 2017, , .		12
152	Near-optimal parameter selection methods for l<inf>2</inf> regularization. , 2017, , .		0
153	A Sparse Bayesian Imaging Technique for Efficient Recovery of Reservoir Channels With Time-Lapse Seismic Measurements. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2242-2254.	4.9	5
154	Optimal Design of Large Dimensional Adaptive Subspace Detectors. IEEE Transactions on Signal Processing, 2016, 64, 4922-4935.	5.3	6
155	Distributed Robust Power Minimization for the Downlink of Multi-Cloud Radio Access Networks. , 2016, , .		4
156	Compressive Sensing for Blockage Detection in Vehicular Millimeter Wave Antenna Arrays. , 2016, , .		8
157	RAID-6 reed-solomon codes with asymptotically optimal arithmetic complexities. , 2016, , .		3
158	Cooperative Handover Management in Dense Cellular Networks. , 2016, , .		28
159	A Blind Antenna Selection Scheme for Single-Cell Uplink Massive MIMO. , 2016, , .		7
160	On the Security of Millimeter Wave Vehicular Communication Systems Using Random Antenna Subsets. , 2016, , .		14
161	On locality of Generalized Reed-Muller codes over the broadcast erasure channel. , 2016, , .		2
162	Handover Management in 5G and Beyond: A Topology Aware Skipping Approach. IEEE Access, 2016, 4, 9073-9081.	4.2	111

#	Article	IF	Citations
163	Robust adaptive subspace detection in impulsive noise. , 2016, , .		0
164	Block compressed sensing for feedback reduction in relay-aided multiuser full duplex networks. , 2016, , .		0
165	Energy efficiency for cloud-radio access networks with imperfect channel state information. , 2016, , .		1
166	Penalized linear regression for discrete ill-posed problems: A hybrid least-squares and mean-squared error approach. , 2016, , .		1
167	Transmit Power Minimization and Base Station Planning for High-Speed Trains with Multiple Moving Relays in OFDMA Systems. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	32
168	Narrowband Interference Mitigation in SC-FDMA Using Bayesian Sparse Recovery. IEEE Transactions on Signal Processing, 2016, 64, 6471-6484.	5.3	5
169	Resilient backhaul network design using hybrid radio/free-space optical technology. , 2016, , .		6
170	Capacity bounds for the 2-user Gaussian IM-DD optical multiple-access channel. , 2016, , .		2
171	Exact closed-form expression for the inverse moments of one-sided correlated Gram matrices. , 2016, , .		0
172	A Unified Stochastic Geometry Model for MIMO Cellular Networks With Retransmissions. IEEE Transactions on Wireless Communications, 2016, 15, 8595-8609.	9.2	31
173	Reduced complexity FFT-based DOA and DOD estimation for moving target in bistatic MIMO radar. , 2016, , .		1
174	Distributed Channel Estimation and Pilot Contamination Analysis for Massive MIMO-OFDM Systems. IEEE Transactions on Communications, 2016, 64, 4607-4621.	7.8	33
175	Handover management in dense cellular networks: A stochastic geometry approach. , 2016, , .		55
176	FFT Algorithm for Binary Extension Finite Fields and Its Application to Reed–Solomon Codes. IEEE Transactions on Information Theory, 2016, 62, 5343-5358.	2.4	32
177	Novel Polynomial Basis With Fast Fourier Transform and Its Application to Reed–Solomon Erasure Codes. IEEE Transactions on Information Theory, 2016, 62, 6284-6299.	2.4	31
178	The steady-state of the (Normalized) LMS is schur convex. , 2016, , .		2
179	Unified tractable model for downlink MIMO cellular networks using stochastic geometry. , 2016, , .		2
180	Constrained Perturbation Regularization Approach for Signal Estimation Using Random Matrix Theory. IEEE Signal Processing Letters, 2016, 23, 1727-1731.	3.6	13

#	Article	IF	Citations
181	Robust regularized least-squares beamforming approach to signal estimation. , 2016, , .		2
182	Hybrid Radio/Free-Space Optical Design for Next Generation Backhaul Systems. IEEE Transactions on Communications, 2016, 64, 2563-2577.	7.8	75
183	Instantly decodable network coding for real-time device-to-device communications. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	75
184	On the Distribution of Indefinite Quadratic Forms in Gaussian Random Variables. IEEE Transactions on Communications, 2016, 64, 153-165.	7.8	57
185	Indoor Localization and Radio Map Estimation Using Unsupervised Manifold Alignment with Geometry Perturbation. IEEE Transactions on Mobile Computing, 2016, 15, 2794-2808.	5.8	31
186	On the Feedback Reduction of Multiuser Relay Networks Using Compressive Sensing. IEEE Transactions on Communications, 2016, 64, 1437-1450.	7.8	7
187	Analytical Derivation of the Inverse Moments of One-Sided Correlated Gram Matrices With Applications. IEEE Transactions on Signal Processing, 2016, 64, 2624-2635.	5.3	7
188	Coordinated Scheduling and Power Control in Cloud-Radio Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2523-2536.	9.2	38
189	Orthogonal Matching Pursuit for Enhanced Recovery of Sparse Geological Structures With the Ensemble Kalman Filter. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1710-1724.	4.9	17
190	Hybrid Scheduling/Signal-Level Coordination in the Downlink of Multi-Cloud Radio-Access Networks. , 2015, , .		6
191	Network-Coded Content Delivery in Femtocaching-Assisted Cellular Networks. , 2015, , .		17
192	Decentralized Group Sparse Beamforming for Multi-Cloud Radio Access Networks. , 2015, , .		7
193	Bayesian narrowband interference mitigation in SC-FDMA. , 2015, , .		1
194	Closed-form solution to directly design face waveforms for beampatterns using planar array. , 2015, , .		6
195	Relay Selection with Limited and Noisy Feedback. , 2015, , .		2
196	Improved linear least squares estimation using bounded data uncertainty. , 2015, , .		7
197	Distributed User Selection in Network MIMO Systems with Limited Feedback. , 2015, , .		4
198	Distributive estimation of frequency selective channels for massive MIMO systems. , 2015, , .		2

#	Article	IF	Citations
199	Multi-Modulus algorithms using hyperbolic and givens rotations for blind deconvolution of mimo systems. , 2015, , .		5
200	On the use of compressed sampling algorithms for impairments compensation in dynamic nonlinear transmitters. , 2015, , .		0
201	Optimal non-coherent data detection for massive SIMO wireless systems: A polynomial complexity solution. , 2015, , .		12
202	Narrowband interference parameterization for sparse Bayesian recovery. , 2015, , .		2
203	Rate Aware Instantly Decodable Network Codes. , 2015, , .		13
204	The Influence of Gaussian Signaling Approximation on Error Performance in Cellular Networks. IEEE Communications Letters, 2015, 19, 2202-2205.	4.1	15
205	Error performance analysis in downlink cellular networks with interference management. , 2015, , .		6
206	Error performance analysis in K-tier uplink cellular networks using a stochastic geometric approach. , 2015, , .		11
207	Opportunistic beam training with hybrid analog/digital codebooks for mmWave systems. , 2015, , .		30
208	Joint Hybrid Backhaul and Access Links Design in Cloud-Radio Access Networks. , 2015, , .		17
209	Efficient channel estimation in massive MIMO systems - a distributed approach. , 2015, , .		0
210	A Unified Form of Exact-MSR Codes via Product-Matrix Frameworks. IEEE Transactions on Information Theory, 2015, 61, 873-886.	2.4	19
211	Collaborative Multi-Layer Network Coding in Hybrid Cellular Cognitive Radio Networks. , 2015, , .		3
212	Distributed Estimation Based on Observations Prediction in Wireless Sensor Networks. IEEE Signal Processing Letters, 2015, 22, 1530-1533.	3.6	6
213	Distributed cloud association in downlink multicloud radio access networks. , 2015, , .		7
214	Cost-effective hybrid RF/FSO backhaul solution for next generation wireless systems. IEEE Wireless Communications, 2015, 22, 98-104.	9.0	103
215	Virtualized cognitive network architecture for 5G cellular networks. , 2015, 53, 78-85.		22
216	Opportunistic Relay Selection With Limited Feedback. IEEE Transactions on Communications, 2015, 63, 2885-2898.	7.8	13

#	Article	IF	Citations
217	Resource allocation in heterogeneous cloud radio access networks: advances and challenges. IEEE Wireless Communications, 2015, 22, 66-73.	9.0	68
218	Coordinated scheduling for the downlink of cloud radio-access networks. , 2015, , .		16
219	Cost-effective backhaul design using hybrid radio/free-space optical technology. , 2015, , .		9
220	Delay reduction in multi-hop device-to-device communication using network coding. , 2015, , .		17
221	Differential on-on keying: A robust non-coherent digital modulation scheme. , 2015, , .		0
222	Efficient collaborative sparse channel estimation in massive MIMO. , 2015, , .		2
223	Delay Reduction for Instantly Decodable Network Coding in Persistent Channels With Feedback Imperfections. IEEE Transactions on Wireless Communications, 2015, 14, 5956-5970.	9.2	14
224	Low-Complexity Bayesian Estimation of Cluster-Sparse Channels. IEEE Transactions on Communications, 2015, 63, 4159-4173.	7.8	12
225	A graph model for opportunistic network coding. , 2015, , .		7
226	Efficient Coordinated Recovery of Sparse Channels in Massive MIMO. IEEE Transactions on Signal Processing, 2015, 63, 104-118.	5.3	166
227	Opportunistic relay selection in multicast relay networks using compressive sensing. , 2014, , .		11
228	Downlink scheduling using non-orthogonal uplink beams. , 2014, , .		2
229	Low-sampling-rate ultra-wideband digital receiver using equivalent-time sampling. , 2014, , .		1
230	Indoor localization using unsupervised manifold alignment with geometry perturbation. , 2014, , .		5
231	On Minimizing the Maximum Broadcast Decoding Delay for Instantly Decodable Network Coding. , 2014, , .		17
232	A game theoretic approach to minimize the completion time of network coded cooperative data exchange. , 2014, , .		14
233	Low-Sampling-Rate Ultra-Wideband Channel Estimation Using Equivalent-Time Sampling. IEEE Transactions on Signal Processing, 2014, 62, 4882-4895.	5.3	12
234	Reduction of snapshots for MIMO radar detection by block/group orthogonal matching pursuit. , 2014, , .		2

#	Article	IF	Citations
235	Receiver-Based Recovery of Clipped OFDM Signals for PAPR Reduction: A Bayesian Approach. IEEE Access, 2014, 2, 1213-1224.	4.2	20
236	Impulse Noise Estimation and Removal for OFDM Systems. IEEE Transactions on Communications, 2014, 62, 976-989.	7.8	58
237	Compressive Sensing for Feedback Reduction in MIMO Broadcast Channels. IEEE Transactions on Communications, 2014, 62, 3209-3222.	7.8	41
238	Partially Blind Instantly Decodable Network Codes for Lossy Feedback Environment. IEEE Transactions on Wireless Communications, 2014, 13, 4871-4883.	9.2	31
239	Sub-sampling-based 2D localization of an impulsive acoustic source in reverberant environments. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	2
240	Blind and semi-blind ML detection for space-time block-coded OFDM wireless systems. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	0
241	Receiver based PAPR reduction in OFDMA. , 2014, , .		4
242	Compressed sensing techniques for receiver based post-compensation of transmitter's nonlinear distortions in OFDM systems. Signal Processing, 2014, 97, 282-293.	3.7	7
243	Low-complexity wireless monitoring of respiratory movements using ultra-wideband impulse response estimation. Biomedical Signal Processing and Control, 2014, 10, 192-200.	5.7	5
244	A Lossy Graph Model for Delay Reduction in Generalized Instantly Decodable Network Coding. IEEE Wireless Communications Letters, 2014, 3, 281-284.	5.0	19
245	Hybrid Scheduling/Signal-Level Coordination in the Downlink of Multi-Cloud Radio-Access Networks. , 2014, , .		0
246	Network-Coded Content Delivery in Femtocaching-Assisted Cellular Networks. , 2014, , .		5
247	Low-sampling-rate ultra-wideband channel estimation using a bounded-data-uncertainty approach. , 2014, , .		0
248	Completion time reduction in instantly decodable network coding through decoding delay control. , 2014, , .		24
249	Collaborative multi-layer network coding for cellular cognitive radio networks. , 2013, , .		3
250	Delay reduction in lossy intermittent feedback for generalized instantly decodable network coding. , 2013, , .		12
251	Distribution agnostic structured sparsity recovery algorithms. , 2013, , .		3
252	Delay Reduction in Persistent Erasure Channels for Generalized Instantly Decodable Network Coding. , 2013, , .		14

15

#	Article	IF	Citations
253	The Effect of Correlated Observations on the Performance of Distributed Estimation. IEEE Transactions on Signal Processing, 2013, 61, 6264-6275.	5.3	12
254	On the efficiency and privacy of smart grids neighborhood area networks. , 2013, , .		3
255	A compressed sensing based method with support refinement for impulse noise cancelation in DSL. , 2013, , .		1
256	Relay self interference minimisation using tapped filter. , 2013, , .		0
257	An L-shaped microphone array configuration for impulsive acoustic source localization in 2-D using orthogonal clustering based time delay estimation. , 2013, , .		5
258	A Bayesian matching pursuit based scheduling algorithm for feedback reduction in MIMO broadcast channels. , 2013, , .		0
259	Sparse Reconstruction Using Distribution Agnostic Bayesian Matching Pursuit. IEEE Transactions on Signal Processing, 2013, 61, 5298-5309.	5.3	117
260	Support agnostic Bayesian matching pursuit for block sparse signals. , 2013, , .		7
261	Compressed Sensing Based Joint-Compensation of Power Amplifier's Distortions in OFDMA Cognitive Radio Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 508-520.	3.6	55
262	On the effect of correlated measurements on the performance of distributed estimation. , 2013, , .		3
263	On the use of blind source separation for peak detection in spectrum sensing. , 2012, , .		6
264	Structure-Based Bayesian Sparse Reconstruction. IEEE Transactions on Signal Processing, 2012, 60, 6354-6367.	5.3	58
265	Peak Reduction and Clipping Mitigation in OFDM by Augmented Compressive Sensing. IEEE Transactions on Signal Processing, 2012, 60, 3834-3839.	5.3	88
266	Narrow band interference cancelation in OFDM: Astructured maximum likelihood approach. , 2012, , .		12
267	Pilotless recovery of clipped OFDM signals by compressive sensing over reliable data carriers. , 2012, , .		10
268	Low-Complexity Blind Equalization for OFDM Systems With General Constellations. IEEE Transactions on Signal Processing, 2012, 60, 6395-6407.	5.3	18
269	Time delay estimation in a reverberant environment by low rate sampling of impulsive acoustic sources. , 2012, , .		3
270	Structure based Bayesian sparse reconstruction using non-Gaussian prior. , 2011, , .		6

#	Article	IF	Citations
271	Impulsive noise estimation and cancellation in DSL using orthogonal clustering. , 2011, , .		35
272	On Optimum Pilot Design for Comb-Type OFDM Transmission over Doubly-Selective Channels. IEEE Transactions on Communications, 2011, 59, 930-935.	7.8	25
273	A Model Reduction Approach for OFDM Channel Estimation Under High Mobility Conditions. IEEE Transactions on Signal Processing, 2010, 58, 2181-2193.	5.3	60
274	Cyclic Prefix Based Enhanced Data Recovery in OFDM. IEEE Transactions on Signal Processing, 2010, 58, 3406-3410.	5.3	12
275	Exact Performance Analysis of the $epsilon$-NLMS Algorithm for Colored Circular Gaussian Inputs. IEEE Transactions on Signal Processing, 2010, 58, 5080-5090.	5.3	20
276	Opportunistic Random Beamforming with Optimal Precoding for Spatially Correlated Channels. IEEE Communications Letters, 2010, 14, 1041-1043.	4.1	2
277	Exact Tracking Analysis of the ∈-NLMS algorithm for circular complex correlated Gaussian input. , 2010, , .		1
278	Compressive sensing for feedback reduction in MIMO broadcast channels. , 2010, , .		6
279	Estimation of the distribution of randomly deployed wireless sensors. , 2009, , .		1
280	Compressive sensing based opportunistic protocol for exploiting multiuser diversity in wireless networks. , 2009, , .		6
281	On Reducing the Complexity of Tone-Reservation Based PAPR Reduction Schemes by Compressive Sensing. , 2009, , .		17
282	On the distribution of indefinite quadratic forms in Gaussian random variables. , 2009, , .		52
283	Opportunistic beamforming with precoding for spatially correlated channels. , 2009, , .		2
284	Frequency domain estimation of time varying channels in OFDMA systems: An EM approach. , 2009, , .		1
285	Impulse noise cancellation in OFDM: an application of compressed sensing. , 2008, , .		97
286	Scaling laws of multiple antenna group-broadcast channels. IEEE Transactions on Wireless Communications, 2008, 7, 5030-5038.	9.2	8
287	Blind maximum-likelihood data recovery in OFDM. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	5
288	On the Capacity Scalings of the Multiple Antenna Group-Broadcast Systems. , 2007, , .		1

#	Article	IF	Citations
289	Frequency Domain Estimation of Multiple Access OFDM Channels. , 2007, , .		2
290	Scaling Laws of Multiple Antenna Group-Broadcast Channels. , 2007, , .		0
291	An EM-Based Forward-Backward Kalman Filter for the Estimation of Time-Variant Channels in OFDM. IEEE Transactions on Signal Processing, 2007, 55, 3924-3930.	5.3	90
292	GNSS Ambiguity Resolution and Attitude Determination by Leveraging Relative Baseline and Frequency Information. , 0, , .		2