Tareq Y Al-Naffouri

List of Publications by Year
in descending order

292 papers	6,023 citations	70961 41 h-index	110170 64 g-index
293 all docs	293 docs citations	293 times ranked	4300 citing authors

#	ARTICLE	IF	CITATIONS
1	Underwater optical wireless communications, networking, and localization: A survey. Ad Hoc Networks, 2019, 94, 101935.	3.4	285
2	Next Generation Terahertz Communications: A Rendezvous of Sensing, Imaging, and Localization. IEEE Communications Magazine, 2020, 58, 69-75.	4.9	218
3	Efficient Coordinated Recovery of Sparse Channels in Massive MIMO. IEEE Transactions on Signal Processing, 2015, 63, 104-118.	3.2	166
4	CubeSat Communications: Recent Advances and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1839-1862.	24.8	163
5	An Overview of Signal Processing Techniques for Terahertz Communications. Proceedings of the IEEE, 2021, 109, 1628-1665.	16.4	158
6	Sparse Reconstruction Using Distribution Agnostic Bayesian Matching Pursuit. IEEE Transactions on Signal Processing, 2013, 61, 5298-5309.	3.2	117
7	Intelligent Surfaces for 6G Wireless Networks: A Survey of Optimization and Performance Analysis Techniques. IEEE Access, 2020, 8, 202795-202818.	2.6	116
8	Terahertz-Band Ultra-Massive Spatial Modulation MIMO. IEEE Journal on Selected Areas in Communications, 2019, 37, 2040-2052.	9.7	113
9	Handover Management in 5G and Beyond: A Topology Aware Skipping Approach. IEEE Access, 2016, 4, 9073-9081.	2.6	111
10	Cost-effective hybrid RF/FSO backhaul solution for next generation wireless systems. IEEE Wireless Communications, 2015, 22, 98-104.	6.6	103
11	A State-of-the-Art Survey on Multidimensional Scaling-Based Localization Techniques. IEEE Communications Surveys and Tutorials, 2019, 21, 3565-3583.	24.8	103
12	Deep Learning in the Industrial Internet of Things: Potentials, Challenges, and Emerging Applications. IEEE Internet of Things Journal, 2021, 8, 11016-11040.	5.5	102
13	Impulse noise cancellation in OFDM: an application of compressed sensing. , 2008, , .		97
14	Air-writing via Receiver Array Based Ultrasonic Source Localization. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	2.4	93
15	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.	3.2	90
16	Peak Reduction and Clipping Mitigation in OFDM by Augmented Compressive Sensing. IEEE Transactions on Signal Processing, 2012, 60, 3834-3839.	3.2	88
17	Velocity-Aware Handover Management in Two-Tier Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1851-1867.	6.1	87
18	Enhancing Secrecy With Multiantenna Transmission in Millimeter Wave Vehicular Communication Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 8139-8151.	3.9	80

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19	Toward the Internet of Underground Things: A Systematic Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 3443-3466.	24.8	78
20	Hybrid Radio/Free-Space Optical Design for Next Generation Backhaul Systems. IEEE Transactions on Communications, 2016, 64, 2563-2577.	4.9	75
21	Instantly decodable network coding for real-time device-to-device communications. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.0	75
22	Ultramassive MIMO Systems at Terahertz Bands: Prospects and Challenges. IEEE Vehicular Technology Magazine, 2020, 15, 33-42.	2.8	73
23	Resource allocation in heterogeneous cloud radio access networks: advances and challenges. IEEE Wireless Communications, 2015, 22, 66-73.	6.6	68
24	Energy Harvesting Hybrid Acoustic-Optical Underwater Wireless Sensor Networks Localization. Sensors, 2018, 18, 51.	2.1	66
25	Optical camera communications: Survey, use cases, challenges, and future trends. Physical Communication, 2019, 37, 100900.	1.2	66
26	The Role of UAV-IoT Networks in Future Wildfire Detection. IEEE Internet of Things Journal, 2021, 8, 16984-16999.	5.5	66
27	A Model Reduction Approach for OFDM Channel Estimation Under High Mobility Conditions. IEEE Transactions on Signal Processing, 2010, 58, 2181-2193.	3.2	60
28	Localization of Energy Harvesting Empowered Underwater Optical Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2652-2663.	6.1	59
29	Structure-Based Bayesian Sparse Reconstruction. IEEE Transactions on Signal Processing, 2012, 60, 6354-6367.	3.2	58
30	Impulse Noise Estimation and Removal for OFDM Systems. IEEE Transactions on Communications, 2014, 62, 976-989.	4.9	58
31	A Tutorial on Terahertz-Band Localization for 6G Communication Systems. IEEE Communications Surveys and Tutorials, 2022, 24, 1780-1815.	24.8	58
32	On the Distribution of Indefinite Quadratic Forms in Gaussian Random Variables. IEEE Transactions on Communications, 2016, 64, 153-165.	4.9	57
33	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.	2.7	55
34	Handover management in dense cellular networks: A stochastic geometry approach. , 2016, , .		55
35	On the distribution of indefinite quadratic forms in Gaussian random variables. , 2009, , .		52
36	Outlier Detection and Optimal Anchor Placement for 3-D Underwater Optical Wireless Sensor Network Localization. IEEE Transactions on Communications, 2019, 67, 611-622.	4.9	52

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37	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.	4.4	50
38	Performance Analysis of Connectivity and Localization in Multi-Hop Underwater Optical Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2019, 18, 2604-2615.	3.9	49
39	Optimal Deployment of Tethered Drones for Maximum Cellular Coverage in User Clusters. IEEE Transactions on Wireless Communications, 2021, 20, 2092-2108.	6.1	46
40	Compressive Sensing for Millimeter Wave Antenna Array Diagnosis. IEEE Transactions on Communications, 2018, 66, 2708-2721.	4.9	45
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.	6.1	44
42	TeraMIMO: A Channel Simulator for Wideband Ultra-Massive MIMO Terahertz Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 12325-12341.	3.9	44
43	Instantly Decodable Network Coding: From Centralized to Device-to-Device Communications. IEEE Communications Surveys and Tutorials, 2017, 19, 1201-1224.	24.8	43
44	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.	6.1	42
45	Compressive Sensing for Feedback Reduction in MIMO Broadcast Channels. IEEE Transactions on Communications, 2014, 62, 3209-3222.	4.9	41
46	Modeling and performance analysis of multihop underwater optical wireless sensor networks. , 2018, , .		39
47	Coordinated Scheduling and Power Control in Cloud-Radio Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2523-2536.	6.1	38
48	When Wireless Communication Responds to COVID-19: Combating the Pandemic and Saving the Economy. Frontiers in Communications and Networks, 2020, 1, .	1.9	38
49	Impulsive noise estimation and cancellation in DSL using orthogonal clustering. , 2011, , .		35
50	Distributed Channel Estimation and Pilot Contamination Analysis for Massive MIMO-OFDM Systems. IEEE Transactions on Communications, 2016, 64, 4607-4621.	4.9	33
51	A Software-Defined Opto-Acoustic Network Architecture for Internet of Underwater Things. IEEE Communications Magazine, 2020, 58, 88-94.	4.9	33
52	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.	3.9	32
53	FFT Algorithm for Binary Extension Finite Fields and Its Application to Reedâ€"Solomon Codes. IEEE Transactions on Information Theory, 2016, 62, 5343-5358.	1.5	32
54	Partially Blind Instantly Decodable Network Codes for Lossy Feedback Environment. IEEE Transactions on Wireless Communications, 2014, 13, 4871-4883.	6.1	31

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55	A Unified Stochastic Geometry Model for MIMO Cellular Networks With Retransmissions. IEEE Transactions on Wireless Communications, 2016, 15, 8595-8609.	6.1	31
56	Novel Polynomial Basis With Fast Fourier Transform and Its Application to Reed–Solomon Erasure Codes. IEEE Transactions on Information Theory, 2016, 62, 6284-6299.	1.5	31
57	Indoor Localization and Radio Map Estimation Using Unsupervised Manifold Alignment with Geometry Perturbation. IEEE Transactions on Mobile Computing, 2016, 15, 2794-2808.	3.9	31
58	Opportunistic beam training with hybrid analog/digital codebooks for mmWave systems. , 2015, , .		30
59	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.	3.2	30
60	Cooperative Handover Management in Dense Cellular Networks. , 2016, , .		28
61	Underwater Optical Sensor Networks Localization with Limited Connectivity. , 2018, , .		28
62	Localization and Tracking Control Using Hybrid Acoustic–Optical Communication for Autonomous Underwater Vehicles. IEEE Internet of Things Journal, 2020, 7, 10048-10060.	5.5	28
63	A Joint TDOA-PDOA Localization Approach Using Particle Swarm Optimization. IEEE Wireless Communications Letters, 2020, 9, 1240-1244.	3.2	28
64	On Optimum Pilot Design for Comb-Type OFDM Transmission over Doubly-Selective Channels. IEEE Transactions on Communications, 2011, 59, 930-935.	4.9	25
65	Completion time reduction in instantly decodable network coding through decoding delay control. , 2014, , .		24
66	Virtualized cognitive network architecture for 5G cellular networks. , 2015, 53, 78-85.		22
67	Accurate 3-D Localization of Selected Smart Objects in Optical Internet of Underwater Things. IEEE Internet of Things Journal, 2020, 7, 937-947.	5.5	21
68	Exact Performance Analysis of the $epsilon$-NLMS Algorithm for Colored Circular Gaussian Inputs. IEEE Transactions on Signal Processing, 2010, 58, 5080-5090.	3.2	20
69	Receiver-Based Recovery of Clipped OFDM Signals for PAPR Reduction: A Bayesian Approach. IEEE Access, 2014, 2, 1213-1224.	2.6	20
70	Performance Analysis of Beamforming in MU-MIMO Systems for Rayleigh Fading Channels. IEEE Access, 2017, 5, 3709-3720.	2.6	20
71	Decoding-Delay-Controlled Completion Time Reduction in Instantly Decodable Network Coding. IEEE Transactions on Vehicular Technology, 2017, 66, 2756-2770.	3.9	20
72	Analysis of Large Scale Aerial Terrestrial Networks with mmWave Backhauling. IEEE Transactions on Wireless Communications, 2021, 20, 8362-8380.	6.1	20

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73	A Maximum-Likelihood TDOA Localization Algorithm Using Difference-of-Convex Programming. IEEE Signal Processing Letters, 2021, 28, 309-313.	2.1	20
74	A Lossy Graph Model for Delay Reduction in Generalized Instantly Decodable Network Coding. IEEE Wireless Communications Letters, 2014, 3, 281-284.	3.2	19
75	A Unified Form of Exact-MSR Codes via Product-Matrix Frameworks. IEEE Transactions on Information Theory, 2015, 61, 873-886.	1.5	19
76	Capacity Bounds for the Gaussian IM-DD Optical Multiple-Access Channel. IEEE Transactions on Wireless Communications, 2017, 16, 3328-3340.	6.1	19
77	Performance Analysis and Joint Statistical Beamformer Design for Multi-User MIMO Systems. IEEE Communications Letters, 2020, 24, 2152-2156.	2.5	19
78	Low-Complexity Blind Equalization for OFDM Systems With General Constellations. IEEE Transactions on Signal Processing, 2012, 60, 6395-6407.	3.2	18
79	Distributed Hybrid Scheduling in Multi-Cloud Networks Using Conflict Graphs. IEEE Transactions on Communications, 2018, 66, 209-224.	4.9	18
80	A Large Dimensional Study of Regularized Discriminant Analysis. IEEE Transactions on Signal Processing, 2020, 68, 2464-2479.	3.2	18
81	Terahertz-Band MIMO-NOMA: Adaptive Superposition Coding and Subspace Detection. IEEE Open Journal of the Communications Society, 2021, 2, 2628-2644.	4.4	18
82	On Reducing the Complexity of Tone-Reservation Based PAPR Reduction Schemes by Compressive Sensing. , 2009, , .		17
83	On Minimizing the Maximum Broadcast Decoding Delay for Instantly Decodable Network Coding. , 2014, , .		17
84	Network-Coded Content Delivery in Femtocaching-Assisted Cellular Networks. , 2015, , .		17
85	Joint Hybrid Backhaul and Access Links Design in Cloud-Radio Access Networks. , 2015, , .		17
86	Delay reduction in multi-hop device-to-device communication using network coding. , 2015, , .		17
87	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.	2.3	17
88	Bounded Perturbation Regularization for Linear Least Squares Estimation. IEEE Access, 2017, 5, 27551-27562.	2.6	17
89	Optimal Caching in 5G Networks With Opportunistic Spectrum Access. IEEE Transactions on Wireless Communications, 2018, 17, 4447-4461.	6.1	17
90	Network-Coded Macrocell Offloading in Femtocaching-Assisted Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2644-2659.	3.9	17

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91	Coordinated scheduling for the downlink of cloud radio-access networks. , 2015, , .		16
92	Delay Reduction in Multi-Hop Device-to-Device Communication Using Network Coding. IEEE Transactions on Wireless Communications, 2018, 17, 7040-7053.	6.1	16
93	Fetal ECG extraction exploiting joint sparse supports in a dual dictionary framework. Biomedical Signal Processing and Control, 2019, 48, 46-60.	3.5	16
94	Terahertz-Band MIMO Systems: Adaptive Transmission and Blind Parameter Estimation. IEEE Communications Letters, 2021, 25, 641-645.	2.5	16
95	Opportunistic Routing for Opto-Acoustic Internet of Underwater Things. IEEE Internet of Things Journal, 2022, 9, 2165-2179.	5.5	16
96	The Influence of Gaussian Signaling Approximation on Error Performance in Cellular Networks. IEEE Communications Letters, 2015, 19, 2202-2205.	2.5	15
97	Rate Aware Instantly Decodable Network Codes. IEEE Transactions on Wireless Communications, 2017, 16, 998-1011.	6.1	15
98	Zadoff-Chu coded ultrasonic signal for accurate range estimation. , 2017, , .		15
99	Opportunistic Network Coding-Assisted Cloud Offloading in Heterogeneous Fog Radio Access Networks. IEEE Access, 2019, 7, 56147-56162.	2.6	15
100	Stochastic Geometry Analysis of Hybrid Aerial Terrestrial Networks with mmWave Backhauling. , 2020, , .		15
101	Delay Reduction in Persistent Erasure Channels for Generalized Instantly Decodable Network Coding. , 2013, , .		14
102	A game theoretic approach to minimize the completion time of network coded cooperative data exchange. , 2014, , .		14
103	Delay Reduction for Instantly Decodable Network Coding in Persistent Channels With Feedback Imperfections. IEEE Transactions on Wireless Communications, 2015, 14, 5956-5970.	6.1	14
104	On the Security of Millimeter Wave Vehicular Communication Systems Using Random Antenna Subsets. , 2016, , .		14
105	Mobility-Aware User Association in Uplink Cellular Networks. IEEE Communications Letters, 2017, 21, 2452-2455.	2.5	14
106	Rate Aware Instantly Decodable Network Codes. , 2015, , .		13
107	Opportunistic Relay Selection With Limited Feedback. IEEE Transactions on Communications, 2015, 63, 2885-2898.	4.9	13
108	Constrained Perturbation Regularization Approach for Signal Estimation Using Random Matrix Theory. IEEE Signal Processing Letters, 2016, 23, 1727-1731.	2.1	13

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109	The BOX-LASSO with application to GSSK modulation in massive MIMO systems. , 2017, , .		13
110	Analysis of 3D localization in underwater optical wireless networks with uncertain anchor positions. Science China Information Sciences, 2020, 63, 1.	2.7	13
111	Power Minimization Via Rate Splitting in Downlink Cloud-Radio Access Networks. , 2020, , .		13
112	Cyclic Prefix Based Enhanced Data Recovery in OFDM. IEEE Transactions on Signal Processing, 2010, 58, 3406-3410.	3.2	12
113	Narrow band interference cancelation in OFDM: Astructured maximum likelihood approach. , 2012, , .		12
114	Delay reduction in lossy intermittent feedback for generalized instantly decodable network coding. , 2013, , .		12
115	The Effect of Correlated Observations on the Performance of Distributed Estimation. IEEE Transactions on Signal Processing, 2013, 61, 6264-6275.	3.2	12
116	Low-Sampling-Rate Ultra-Wideband Channel Estimation Using Equivalent-Time Sampling. IEEE Transactions on Signal Processing, 2014, 62, 4882-4895.	3.2	12
117	Optimal non-coherent data detection for massive SIMO wireless systems: A polynomial complexity solution. , 2015, , .		12
118	Low-Complexity Bayesian Estimation of Cluster-Sparse Channels. IEEE Transactions on Communications, 2015, 63, 4159-4173.	4.9	12
119	A Game-Theoretic Framework for Network Coding Based Device-to-Device Communications. IEEE Transactions on Mobile Computing, 2017, 16, 901-917.	3.9	12
120	Angle-of-arrival-based gesture recognition using ultrasonic multi-frequency signals. , 2017, , .		12
121	Connectivity Analysis of Underwater Optical Wireless Sensor Networks: A Graph Theoretic Approach. , 2018, , .		12
122	Rate Splitting and Common Message Decoding for MIMO C-RAN Systems. , 2019, , .		12
123	SectOR: Sector-Based Opportunistic Routing Protocol for Underwater Optical Wireless Networks. , 2019, , .		12
124	Body-Centric Terahertz Networks: Prospects and Challenges. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2022, 8, 138-157.	1.4	12
125	Opportunistic relay selection in multicast relay networks using compressive sensing. , 2014, , .		11
126	Error performance analysis in K-tier uplink cellular networks using a stochastic geometric approach. , 2015, , .		11

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127	Towards Ultra-Reliable Low-Latency Underwater Optical Wireless Communications. , 2019, , .		11
128	Cloud-Enabled High-Altitude Platform Systems: Challenges and Opportunities. Frontiers in Communications and Networks, 2021, 2, .	1.9	11
129	Aortic blood pressure estimation: A hybrid machine-learning and cross-relation approach. Biomedical Signal Processing and Control, 2021, 68, 102762.	3.5	11
130	Pilotless recovery of clipped OFDM signals by compressive sensing over reliable data carriers. , 2012, , .		10
131	SNR Estimation in Linear Systems With Gaussian Matrices. IEEE Signal Processing Letters, 2017, 24, 1867-1871.	2.1	10
132	Robust 3D Localization of Underwater Optical Wireless Sensor Networks via Low Rank Matrix Completion. , 2018, , .		10
133	3D Localization for Internet of Underground Things in Oil and Gas Reservoirs. IEEE Access, 2019, 7, 121769-121780.	2.6	10
134	Primary User Localization and Its Error Analysis in 5G Cognitive Radio Networks. Sensors, 2019, 19, 2035.	2.1	10
135	Around the World of IoT/Climate Monitoring Using Internet of X-Things. IEEE Internet of Things Magazine, 2020, 3, 82-83.	2.0	10
136	Wireless Communication for Flying Cars. Frontiers in Communications and Networks, 2021, 2, .	1.9	10
137	Cost-effective backhaul design using hybrid radio/free-space optical technology. , 2015, , .		9
138	Asymptotic performance of regularized quadratic discriminant analysis based classifiers. , 2017, , .		9
139	Perturbation-based regularization for signal estimation in linear discrete ill-posed problems. Signal Processing, 2018, 152, 35-46.	2.1	9
140	Scaling laws of multiple antenna group-broadcast channels. IEEE Transactions on Wireless Communications, 2008, 7, 5030-5038.	6.1	8
141	Compressive Sensing for Blockage Detection in Vehicular Millimeter Wave Antenna Arrays. , 2016, , .		8
142	Distributed Robust Power Minimization for the Downlink of Multi-Cloud Radio Access Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 327-335.	3.5	8
143	Aerial Data Aggregation in IoT Networks: Hovering & Traveling Time Dilemma. , 2018, , .		8
144	Precise Performance Analysis of the Box-Elastic Net Under Matrix Uncertainties. IEEE Signal Processing Letters, 2019, 26, 655-659.	2.1	8

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145	On the Effect of Uplink Power Control on Temporal Retransmission Diversity. IEEE Wireless Communications Letters, 2019, 8, 309-312.	3.2	8
146	Sensor placement and resource allocation for energy harvesting IoT networks. , 2020, 105, 102659.		8
147	A Tutorial on Clique Problems in Communications and Signal Processing. Proceedings of the IEEE, 2020, 108, 583-608.	16.4	8
148	Diversity Schemes in Multi-hop Visible Light Communications for 6G Networks. Procedia Computer Science, 2021, 182, 140-149.	1.2	8
149	Support agnostic Bayesian matching pursuit for block sparse signals. , 2013, , .		7
150	Compressed sensing techniques for receiver based post-compensation of transmitter's nonlinear distortions in OFDM systems. Signal Processing, 2014, 97, 282-293.	2.1	7
151	Decentralized Group Sparse Beamforming for Multi-Cloud Radio Access Networks. , 2015, , .		7
152	Improved linear least squares estimation using bounded data uncertainty. , 2015, , .		7
153	Distributed cloud association in downlink multicloud radio access networks. , 2015, , .		7
154	A graph model for opportunistic network coding. , 2015, , .		7
155	A Blind Antenna Selection Scheme for Single-Cell Uplink Massive MIMO. , 2016, , .		7
156	On the Feedback Reduction of Multiuser Relay Networks Using Compressive Sensing. IEEE Transactions on Communications, 2016, 64, 1437-1450.	4.9	7
157	Analytical Derivation of the Inverse Moments of One-Sided Correlated Gram Matrices With Applications. IEEE Transactions on Signal Processing, 2016, 64, 2624-2635.	3.2	7
158	Blind Source Separation Algorithms Using Hyperbolic and Givens Rotations for High-Order QAM Constellations. IEEE Transactions on Signal Processing, 2018, 66, 1802-1816.	3.2	7
159	Optimum Training for MIMO BPSK Transmission. , 2018, , .		7
160	Precise 3-D GNSS Attitude Determination Based on Riemannian Manifold Optimization Algorithms. IEEE Transactions on Signal Processing, 2020, 68, 284-299.	3.2	7
161	DOA Estimation With Non-Uniform Linear Arrays: A Phase-Difference Projection Approach. IEEE Wireless Communications Letters, 2021, 10, 2435-2439.	3.2	7
162	Compressive sensing based opportunistic protocol for exploiting multiuser diversity in wireless networks. , 2009, , .		6

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163	Compressive sensing for feedback reduction in MIMO broadcast channels. , 2010, , .		6
164	Structure based Bayesian sparse reconstruction using non-Gaussian prior. , 2011, , .		6
165	On the use of blind source separation for peak detection in spectrum sensing. , 2012, , .		6
166	Hybrid Scheduling/Signal-Level Coordination in the Downlink of Multi-Cloud Radio-Access Networks. , 2015, , .		6
167	Closed-form solution to directly design face waveforms for beampatterns using planar array. , 2015, , .		6
168	Error performance analysis in downlink cellular networks with interference management. , 2015, , .		6
169	Distributed Estimation Based on Observations Prediction in Wireless Sensor Networks. IEEE Signal Processing Letters, 2015, 22, 1530-1533.	2.1	6
170	Optimal Design of Large Dimensional Adaptive Subspace Detectors. IEEE Transactions on Signal Processing, 2016, 64, 4922-4935.	3.2	6
171	Resilient backhaul network design using hybrid radio/free-space optical technology. , 2016, , .		6
172	BER analysis of regularized least squares for BPSK recovery. , 2017, , .		6
173	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.	1.5	6
174	Millimeter-Wave Antenna Array Diagnosis with Partial Channel State Information. , 2021, , .		6
175	Blind maximum-likelihood data recovery in OFDM. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	5
176	An L-shaped microphone array configuration for impulsive acoustic source localization in 2-D using orthogonal clustering based time delay estimation. , 2013, , .		5
177	Indoor localization using unsupervised manifold alignment with geometry perturbation. , 2014, , .		5
178	Low-complexity wireless monitoring of respiratory movements using ultra-wideband impulse response estimation. Biomedical Signal Processing and Control, 2014, 10, 192-200.	3.5	5
179	Network-Coded Content Delivery in Femtocaching-Assisted Cellular Networks. , 2014, , .		5
180	Multi-Modulus algorithms using hyperbolic and givens rotations for blind deconvolution of mimo systems. , 2015, , .		5

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181	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.	2.3	5
182	Narrowband Interference Mitigation in SC-FDMA Using Bayesian Sparse Recovery. IEEE Transactions on Signal Processing, 2016, 64, 6471-6484.	3.2	5
183	Low-Complexity Scheduling and Power Adaptation for Coordinated Cloud-Radio Access Networks. IEEE Communications Letters, 2017, 21, 2298-2301.	2.5	5
184	Cross-Layer Cloud Offloading Using Fog Radio Access Networks and Network Coding. , 2018, , .		5
185	Reduced complexity DOA and DOD estimation for a single moving target in bistatic MIMO radar. Signal Processing, 2020, 166, 107276.	2.1	5
186	Mode Selection and Power Allocation in Multi-Level Cache-Enabled Networks. IEEE Communications Letters, 2020, 24, 1789-1793.	2.5	5
187	Viral Aerosol Concentration Characterization and Detection in Bounded Environments. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2021, 7, 185-199.	1.4	5
188	Receiver based PAPR reduction in OFDMA. , 2014, , .		4
189	Distributed User Selection in Network MIMO Systems with Limited Feedback. , 2015, , .		4
190	Distributed Robust Power Minimization for the Downlink of Multi-Cloud Radio Access Networks. , 2016, , .		4
191	Fluctuations of the SNR at the output of the MVDR with regularized Tyler estimators. Signal Processing, 2017, 135, 1-8.	2.1	4
192	Online Cloud Offloading Using Heterogeneous Enhanced Remote Radio Heads. , 2017, , .		4
193	Joint Scheduling and Beamforming via Cloud-Radio Access Networks Coordination. , 2018, , .		4
194	Regularized Discriminant Analysis: A Large Dimensional Study. , 2018, , .		4
195	Asymptotic Performance of Linear Discriminant Analysis with Random Projections. , 2019, , .		4
196	Optimum pilot and data energy allocation for BPSK transmission over massive MIMO systems. , 2019, , .		4
197	Box-Relaxation for BPSK Recovery in Massive MIMO: A Precise Analysis under Correlated Channels. , 2020, , .		4
198	Risk Convergence of Centered Kernel Ridge Regression With Large Dimensional Data. IEEE Transactions on Signal Processing, 2020, 68, 1574-1588.	3.2	4

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206	Collaborative Multi-Layer Network Coding in Hybrid Cellular Cognitive Radio Networks. , 2015, , .		3
207	RAID-6 reed-solomon codes with asymptotically optimal arithmetic complexities. , 2016, , .		3
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209	Joint sensor placement and power rating selection in energy harvesting wireless sensor networks. , 2017, , .		3
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