

Wei-Ping Zhu

List of Publications by Year in descending order

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302
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#	ARTICLE	IF	CITATIONS
1	PACDNN: A phase-aware composite deep neural network for speech enhancement. <i>Speech Communication</i> , 2022, 136, 1-13.	2.8	12
2	On efficient gridless methods for 2-D DOA estimation with uniform and sparse L-shaped arrays. <i>Signal Processing</i> , 2022, 191, 108351.	3.7	12
3	Multiple Binocular Cameras-Based Indoor Localization Technique Using Deep Learning and Multimodal Fusion. <i>IEEE Sensors Journal</i> , 2022, 22, 1597-1608.	4.7	3
4	Robust Beamforming for Enhancing User Fairness in Multibeam Satellite Systems With NOMA. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 1010-1014.	6.3	20
5	HLocalExp-CM: confidence map by hierarchical local expansion moves for accurate stereo matching. <i>Journal of Electronic Imaging</i> , 2022, 31, .	0.9	0
6	Uplink Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks Over Generalized Inhomogeneous Fading Channels. <i>IEEE Transactions on Communications</i> , 2022, 70, 2417-2434.	7.8	5
7	Copula-Based Modeling of RIS-Assisted Communications: Outage Probability Analysis. <i>IEEE Communications Letters</i> , 2022, 26, 1524-1528.	4.1	3
8	Performance Analysis for Rate Splitting Uplink NOMA Transmission in High Throughput Satellite Systems. <i>IEEE Wireless Communications Letters</i> , 2022, 11, 816-820.	5.0	14
9	Achieving Secrecy Energy Efficiency Fairness in UAV-Enabled Multi-User Communication Systems. <i>IEEE Wireless Communications Letters</i> , 2022, 11, 918-922.	5.0	5
10	Performance Evaluation and Diversity Analysis of RIS-Assisted Communications Over Generalized Fading Channels in the Presence of Phase Noise. <i>IEEE Open Journal of the Communications Society</i> , 2022, 3, 593-607.	6.9	22
11	Outage Analysis of Multi-Relay NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 6469-6487.	6.3	9
12	Robust Secure Energy Efficient Beamforming for mmWave UAV Communications With Jittering. <i>IEEE Communications Letters</i> , 2022, 26, 1638-1642.	4.1	7
13	Performance Analysis Over Correlated/Independent Fisher-Snedecor F Fading Multiple Access Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 7561-7571.	6.3	4
14	User-Centric Cluster Design and Analysis for Hybrid Sub-6GHz-mmWave-THz Dense Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 7585-7598.	6.3	4
15	Complex IRM-Aware Training for Voice Activity Detection Using Attention Model. , 2022, , .		1
16	Combined Robust Beamforming With Uplink RSMA for Multibeam Satellite Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 10167-10172.	6.3	4
17	Hybrid Multiple Access Transmission in Satellite-Aerial-Terrestrial Networks. <i>IEEE Communications Letters</i> , 2022, 26, 2146-2150.	4.1	1
18	Secure Beamforming for Cognitive Satellite Terrestrial Networks With Unknown Eavesdroppers. <i>IEEE Systems Journal</i> , 2021, 15, 2186-2189.	4.6	79

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19	Secure and Energy Efficient Transmission for RSMA-Based Cognitive Satellite-Terrestrial Networks. IEEE Wireless Communications Letters, 2021, 10, 251-255.	5.0	137
20	Robust Secure Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 567-580.	7.9	62
21	Speech Enhancement With Phase Sensitive Mask Estimation Using a Novel Hybrid Neural Network. IEEE Open Journal of Signal Processing, 2021, 2, 136-150.	3.5	8
22	Secrecy Energy Efficiency in Full-Duplex AF Relay Systems With Untrusted Energy Harvesters. IEEE Communications Letters, 2021, 25, 3493-3497.	4.1	3
23	Exploiting Cascaded Ensemble of Features for the Detection of Tuberculosis Using Chest Radiographs. IEEE Access, 2021, 9, 112388-112399.	4.2	7
24	CapsCovNet: A Modified Capsule Network to Diagnose COVID-19 From Multimodal Medical Imaging. IEEE Transactions on Artificial Intelligence, 2021, 2, 608-617.	4.7	11
25	TUCKER2-based Hybrid Beamforming Design for mmWave OFDM Massive MIMO Communications. , 2021, , .		0
26	Energy-Efficient Cluster Sizing for User-Centric Air-to-Air Networks. IEEE Communications Letters, 2021, 25, 1308-1312.	4.1	4
27	Outage Analysis of NOMA-Based Multiple-Antenna Hybrid Satellite-Terrestrial Relay Networks. IEEE Communications Letters, 2021, 25, 1109-1113.	4.1	13
28	Atomic Norm-Based DOA Estimation with Sum and Difference Co-arrays in Coexistence of Circular and Non-circular Signals. Circuits, Systems, and Signal Processing, 2021, 40, 5033-5053.	2.0	2
29	Uplink Massive Access in Mixed RF/FSO Satellite-Aerial-Terrestrial Networks. IEEE Transactions on Communications, 2021, 69, 2413-2426.	7.8	55
30	Performance analysis for the forward link of multiuser satellite communication systems. International Journal of Satellite Communications and Networking, 2021, 39, 560-569.	1.8	3
31	Outage-Constrained Robust Multigroup Multicast Beamforming for Satellite-Based Internet of Things Coexisting With Terrestrial Networks. IEEE Internet of Things Journal, 2021, 8, 8159-8172.	8.7	13
32	Achievable Rate Characterization of NOMA-Aided Cell-Free Massive MIMO With Imperfect Successive Interference Cancellation. IEEE Transactions on Communications, 2021, 69, 3054-3066.	7.8	14
33	Outage of NOMA-Based Hybrid Satellite-Terrestrial Multi-antenna DF Relay Networks. IEEE Wireless Communications Letters, 2021, 10, 1083-1087.	5.0	16
34	On the ergodic sum rate for multisource multidestination unmanned aerial vehicle relaying. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4294.	3.9	1
35	Secrecy Outage Probability and Average Rate of RIS-Aided Communications Using Quantized Phases. IEEE Communications Letters, 2021, 25, 1820-1824.	4.1	32
36	Forward link outage performance of aeronautical broadband satellite communications. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 790-801.	2.6	0

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37	Constrained Tensor Decomposition-Based Hybrid Beamforming for Mmwave Massive MIMO-OFDM Communication Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 5775-5788.	6.3	15
38	Outage of NOMA-based Hybrid Satellite-Terrestrial Relay Networks with Switch-and-Stay Combining. , 2021, , .		0
39	Robust Beamforming for Enhancing Security in Multibeam Satellite Systems. IEEE Communications Letters, 2021, 25, 2161-2165.	4.1	9
40	Bit Error Rate Analysis for Reconfigurable Intelligent Surfaces With Phase Errors. IEEE Communications Letters, 2021, 25, 2176-2180.	4.1	18
41	Dynamic Base Station Clustering in User-Centric mmWave Networks: Performance Analysis and Optimization. IEEE Transactions on Communications, 2021, 69, 4847-4861.	7.8	17
42	Robust Beamforming and Outage Performance of Uplink Multiuser Satellite-Aerial-Terrestrial Networks With Mixed RF-FSO Channels. IEEE Photonics Journal, 2021, 13, 1-8.	2.0	8
43	Outage Constrained Robust Secure Beamforming in Cognitive Satellite-Aerial Networks. IEEE Communications Letters, 2021, 25, 2708-2712.	4.1	12
44	Secrecy-Energy Efficient Hybrid Beamforming for Satellite-Terrestrial Integrated Networks. IEEE Transactions on Communications, 2021, 69, 6345-6360.	7.8	133
45	Rate and Energy Efficiency Improvements of Massive MIMO-Based Stochastic Cellular Networks With NOMA. IEEE Transactions on Green Communications and Networking, 2021, 5, 1467-1481.	5.5	10
46	Coverage Analysis of User-Centric Dense Terahertz Networks. IEEE Communications Letters, 2021, 25, 2864-2868.	4.1	5
47	Transmit diversity and performance analysis for aeronautical broadband satellite communication systems. Physical Communication, 2021, 48, 101424.	2.1	3
48	Performance analysis of mixed FSO-RF transmission in multiuser satellite-aerial-terrestrial networks. Optics Communications, 2021, 496, 127141.	2.1	2
49	DNN-Based Calibrated-Filter Models for Speech Enhancement. Circuits, Systems, and Signal Processing, 2021, 40, 2926-2949.	2.0	4
50	Sleep Apnea Detection From Variational Mode Decomposed EEG Signal Using a Hybrid CNN-BiLSTM. IEEE Access, 2021, 9, 102355-102367.	4.2	14
51	Device-Free Activity Detection and Wireless Localization Based on CNN Using Channel State Information Measurement. IEEE Sensors Journal, 2021, 21, 24482-24494.	4.7	10
52	Supporting IoT With Rate-Splitting Multiple Access in Satellite and Aerial-Integrated Networks. IEEE Internet of Things Journal, 2021, 8, 11123-11134.	8.7	243
53	Doubly Selective Channel Estimation Algorithms for Millimeter Wave Hybrid MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 12821-12835.	6.3	5
54	A New Channel Estimation Method for Millimeter Wave Systems Under High Mobility. , 2021, , .		2

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55	Hybrid mmWave-THz Networks with User-Centric Clustering. , 2021, , .		1
56	Beamforming Design for IRS-assisted Uplink Cognitive Satellite-Terrestrial Networks with NOMA. , 2021, , .		4
57	Timing and Frequency Synchronization and Doubly Selective Channel Estimation for OFDMA Uplink. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 62-66.	3.0	2
58	Outage Performance and Average Rate for Large-Scale Millimeter-Wave NOMA Networks. IEEE Transactions on Wireless Communications, 2020, 19, 1280-1291.	9.2	14
59	Performance Analysis of Integrated Satellite-Terrestrial Multiantenna Relay Networks With Multiuser Scheduling. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2718-2731.	4.7	71
60	A gridless one-step method for mixed far-field and near-field sources localization. , 2020, 104, 102784.		8
61	DOA Estimation for Coexistence of Circular and Non-Circular Signals Based on Atomic Norm Minimization. , 2020, , .		3
62	All-ConvNet: A Lightweight All CNN for Neuromuscular Activity Recognition Using Instantaneous High-Density Surface EMG Images. , 2020, , .		1
63	Outage Performance for Mixed FSO-RF Transmission in Satellite-Aerial- Terrestrial Networks. IEEE Photonics Technology Letters, 2020, 32, 1349-1352.	2.5	13
64	A hybrid speech enhancement system with DNN based speech reconstruction and Kalman filtering. Multimedia Tools and Applications, 2020, 79, 32643-32663.	3.9	2
65	Learning-based design of random measurement matrix for compressed sensing with inter-column correlation using copula function. IET Signal Processing, 2020, 14, 385-395.	1.5	4
66	Sleep Apnea Event Detection from Sub-frame Based Feature Variation in EEG Signal Using Deep Convolutional Neural Network. , 2020, 2020, 5580-5583.		7
67	Speech Separation Using a Composite Model for Complex Mask Estimation. , 2020, , .		2
68	Constrained Channel Decomposition-Based Hybrid Beamforming for mmWave Massive MIMO Systems. IEEE Open Journal of the Communications Society, 2020, 1, 1707-1720.	6.9	7
69	Speech enhancement using a DNN-augmented colored-noise Kalman filter. Speech Communication, 2020, 125, 142-151.	2.8	17
70	Stochastic Geometry Based Performance Characterization of SWIPT in Cell-Free Massive MIMO. IEEE Transactions on Vehicular Technology, 2020, 69, 13357-13370.	6.3	13
71	3-D Mixed Far-Field and Near-Field Sources Localization With Cross Array. IEEE Transactions on Vehicular Technology, 2020, 69, 6833-6837.	6.3	24
72	Robust Hybrid Beamforming for Satellite-Terrestrial Integrated Networks. , 2020, , .		4

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73	Atomic Norm Based Localization of Far-Field and Near-Field Signals with Generalized Symmetric Arrays. , 2020, , .		3
74	Single Far-Field or Near-Field Source Localization With Sparse or Uniform Cross Array. IEEE Transactions on Vehicular Technology, 2020, 69, 9135-9139.	6.3	20
75	Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9053-9067.	6.3	67
76	A Gridless Wideband DOA Estimation Based On Atomic Norm Minimization. , 2020, , .		3
77	Gridless Mixed Sources Localization Based on Low-Rank Matrix Reconstruction. IEEE Wireless Communications Letters, 2020, 9, 1748-1752.	5.0	6
78	DOA Estimation via Acoustic Sensor Array With Non-Orthogonal Elements. IEEE Sensors Journal, 2020, 20, 10696-10705.	4.7	4
79	Performance Analysis of Adaptive Modulation for Millimeter Wave Cellular Systems. , 2020, , .		1
80	Artificial-Noise-Aided Energy-Efficient Secure Beamforming for Multi-Eavesdroppers in Cognitive Radio Networks. IEEE Systems Journal, 2020, 14, 3801-3812.	4.6	14
81	Grayscale-Thermal Tracking via Inverse Sparse Representation-Based Collaborative Encoding. IEEE Transactions on Image Processing, 2020, 29, 3401-3415.	9.8	11
82	Multuser Scheduling for Asymmetric FSO/RF Links in Satellite-UAV-Terrestrial Networks. IEEE Wireless Communications Letters, 2020, 9, 1235-1239.	5.0	71
83	S-Convnet: A Shallow Convolutional Neural Network Architecture for Neuromuscular Activity Recognition Using Instantaneous High-Density Surface EMG Images. , 2020, 2020, 744-749.		5
84	Sleep Apnea Detection Based on Rician Modeling of Feature Variation in Multiband EEG Signal. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1066-1074.	6.3	41
85	An ℓ_p -norm Based Method for Off-grid DOA Estimation. Circuits, Systems, and Signal Processing, 2019, 38, 904-917.	2.0	10
86	Outage Performance of Integrated Satellite-Terrestrial Relay Networks with Opportunistic Scheduling. , 2019, , .		8
87	Abnormality Detection in Musculoskeletal Radiographs Using Capsule Network. IEEE Access, 2019, 7, 81494-81503.	4.2	30
88	An Efficient Gridless 2-D DOA Estimation Method for Sparse and Uniform L-shaped Arrays. , 2019, , .		2
89	Robust Multi-Objective Beamforming for Integrated Satellite and High Altitude Platform Network With Imperfect Channel State Information. IEEE Transactions on Signal Processing, 2019, 67, 6384-6396.	5.3	41
90	Channel estimation and tracking with nested sampling for fast-moving users in millimeter-wave communication. , 2019, 94, 29-37.		5

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91	An Adaptive Approach for the Joint Antenna Selection and Beamforming Optimization. IEEE Access, 2019, 7, 99017-99030.	4.2	14
92	RARE-based localization for mixed near-field and far-field rectilinear sources. , 2019, 85, 54-61.		51
93	Mixed rectilinear sources localization under unknown mutual coupling. Journal of the Franklin Institute, 2019, 356, 2372-2394.	3.4	21
94	Speech Enhancement Based on Dictionary Learning and Low-Rank Matrix Decomposition. IEEE Access, 2019, 7, 4936-4947.	4.2	5
95	A Deep Neural Network Based Kalman Filter for Time Domain Speech Enhancement. , 2019, , .		18
96	A Fully Convolutional Neural Network for Complex Spectrogram Processing in Speech Enhancement. , 2019, , .		35
97	Robust Secure Beamforming for Multibeam Satellite Communication Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6202-6206.	6.3	53
98	Speech reverberation suppression for time-varying environments using weighted prediction error method with time-varying autoregressive model. Speech Communication, 2019, 109, 1-14.	2.8	7
99	Locating the Nodes From Incomplete Euclidean Distance Matrix Using Bayesian Learning. IEEE Access, 2019, 7, 37406-37413.	4.2	6
100	Recurrent Neural Network-Based Dictionary Learning for Compressive Speech Sensing. Circuits, Systems, and Signal Processing, 2019, 38, 3616-3643.	2.0	6
101	Secrecy Energy Efficient Beamforming for Satellite-Terrestrial Coordinated Communication Systems. , 2019, , .		1
102	Outage Performance of the Integrated Satellite-Terrestrial Network Based on the SNR Threshold. , 2019, , .		1
103	Outage Performance of Satellite-Aerial-Terrestrial Network. , 2019, , .		1
104	Nonlinearity-Robust Linear Acoustic Echo Canceller Using the Maximum Correntropy Criterion. , 2019, , .		2
105	Ternary Weighted Networks with Equal Quantization Levels. , 2019, , .		2
106	Electrodynamic Loudspeaker Linearization using a Low Complexity pth-Order Inverse Nonlinear Filter. , 2019, , .		0
107	Joint Iterative Training-based Hybrid Precoding and Combining for Millimeter Wave Systems. , 2019, , .		2
108	Joint Beamforming Design for Energy Efficient Wireless Communications in Heterogeneous Intelligent Connected Vehicles Networks. IEEE Access, 2019, 7, 170134-170143.	4.2	3

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109	An SBL-Based Coherent Source Localization Method Using Virtual Array Output. IEICE Transactions on Communications, 2019, E102.B, 2151-2158.	0.7	0
110	Stochastic Geometry-Based Modeling and Analysis of Massive MIMO-Enabled Millimeter Wave Cellular Networks. IEEE Transactions on Communications, 2019, 67, 288-301.	7.8	15
111	On the Performance of LMS Communication With Hardware Impairments and Interference. IEEE Transactions on Communications, 2019, 67, 1490-1505.	7.8	82
112	Energy-Efficient Defensive Strategy Against Hybrid SSDF/Eavesdropping Attacks Over Nakagami- m Channels. IEEE Communications Letters, 2018, 22, 856-859.	4.1	4
113	Robust Secure Beamforming for 5G Cellular Networks Coexisting With Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 932-945.	14.0	102
114	Distributed-Relay Beamforming for Secrecy Energy Efficiency With Coordinated Eavesdroppers. IEEE Communications Letters, 2018, 22, 1054-1057.	4.1	11
115	A High-Resolution DOA Estimation Method With a Family of Nonconvex Penalties. IEEE Transactions on Vehicular Technology, 2018, 67, 4925-4938.	6.3	64
116	Energy harvest and information transmission design in internet-of-things wireless communication systems. AEU - International Journal of Electronics and Communications, 2018, 87, 124-127.	2.9	36
117	Cluster based statistical feature extraction method for automatic bleeding detection in wireless capsule endoscopy video. Computers in Biology and Medicine, 2018, 94, 41-54.	7.0	19
118	Face recognition via fast dense correspondence. Multimedia Tools and Applications, 2018, 77, 10501-10519.	3.9	8
119	Two sparse-based methods for off-grid direction-of-arrival estimation. Signal Processing, 2018, 142, 87-95.	3.7	75
120	Joint Maximum Likelihood Timing, Frequency Offset, and Doubly Selective Channel Estimation for OFDM Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 2787-2791.	6.3	39
121	HOG and Pairwise SVMs for Neuromuscular Activity Recognition Using Instantaneous HD-sEMG Images. , 2018, , .		4
122	VMD-RiM: Rician Modeling of Temporal Feature Variation Extracted From Variational Mode Decomposed EEG Signal for Automatic Sleep Apnea Detection. IEEE Access, 2018, 6, 77440-77453.	4.2	12
123	A Marginalized Particle Filtering-Based Approach for Carrier Frequency Offset and Doubly Selective Channel Estimation in OFDM Systems. , 2018, , .		1
124	Joint Optimization for Secure WIPT in Satellite-Terrestrial Integrated Networks. , 2018, , .		2
125	Joint DOA and Range Estimation for Mixed Near-Field and Far-Field Strictly Noncircular Sources. , 2018, , .		1
126	Energy Efficient Beamforming for Multi-User Transmission in Cognitive Radio Networks With Secrecy Constraints. IEEE Access, 2018, 6, 74485-74493.	4.2	8

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127	Noncircularity-Based Localization for Mixed Near-Field and Far-Field Sources with Unknown Mutual Coupling. , 2018, , .		10
128	Learning-Based Design of Measurement Matrix with Inter-Column Correlation for Compressive Sensing. , 2018, , .		2
129	A Spatial Filtering Based Gridless DOA Estimation Method for Coherent Sources. IEEE Access, 2018, 6, 56402-56410.	4.2	8
130	Gridless Two-Dimensional Doa Estimation With L-Shaped Array Based on the Cross-Covariance Matrix. , 2018, , .		9
131	Joint Doppler and Channel Estimation with Nested Arrays for Millimeter Wave Communications. , 2018, , .		5
132	NMF-based speech enhancement using multitaper spectrum estimation. , 2018, , .		1
133	Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling. IEEE Wireless Communications Letters, 2018, 7, 1054-1057.	5.0	30
134	Joint Beamforming for Secure Communication in Cognitive Satellite Terrestrial Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1017-1029.	14.0	126
135	Improved Lorentzian Greedy Iterative Algorithm Based on Bi-directional Support Estimation for Compressed Sensing. , 2018, , .		1
136	Beamforming for Secure Wireless Information and Power Transfer in Terrestrial Networks Coexisting With Satellite Networks. IEEE Signal Processing Letters, 2018, 25, 1166-1170.	3.6	24
137	Joint Carrier Frequency Offset and Doubly Selective Channel Estimation for MIMO-OFDMA Uplink With Kalman and Particle Filtering. IEEE Transactions on Signal Processing, 2018, 66, 4001-4012.	5.3	28
138	Secrecy performance of hybrid satellite-terrestrial relay networks in the presence of multiple eavesdroppers. IET Communications, 2018, 12, 26-34.	2.2	40
139	A dynamic causal topic model for mining activities from complex videos. Multimedia Tools and Applications, 2018, 77, 10669-10684.	3.9	5
140	Performance Analysis of Dual-Hop MIMO AF Relaying Network With Multiple Interferences. IEEE Transactions on Vehicular Technology, 2017, 66, 1891-1897.	6.3	11
141	Robust Cooperative Secure Beamforming for Simultaneous Wireless Information and Power Transfer in Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2354-2366.	6.3	64
142	Speech dereverberation using weighted prediction error with correlated inter-frame speech components. Speech Communication, 2017, 87, 49-57.	2.8	11
143	Secrecy Energy Efficiency Maximization in Cognitive Radio Networks. IEEE Access, 2017, 5, 2641-2650.	4.2	39
144	Direction of arrival tracking for signals with known waveforms based on block least squares techniques. Journal of the Franklin Institute, 2017, 354, 4573-4594.	3.4	9

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145	A Toeplitz Covariance Matrix Reconstruction Approach for Direction-of-Arrival Estimation. IEEE Transactions on Vehicular Technology, 2017, 66, 8223-8237.	6.3	137
146	ESPRIT-like two-dimensional direction finding for mixed circular and strictly noncircular sources based on joint diagonalization. Signal Processing, 2017, 141, 48-56.	3.7	69
147	Joint diagonalization based 2D DOA estimation for mixed circular and strictly noncircular sources. , 2017, , .		3
148	TAS-Based Incremental Hybrid Decode"Amplify"Forward Relaying for Physical Layer Security Enhancement. IEEE Transactions on Communications, 2017, 65, 3876-3891.	7.8	29
149	A Fast Gridless Covariance Matrix Reconstruction Method for One- and Two-Dimensional Direction-of-Arrival Estimation. IEEE Sensors Journal, 2017, 17, 4916-4927.	4.7	40
150	A fast covariance matrix reconstruction method for two-dimensional direction-of-arrival estimation. , 2017, , .		3
151	Model-based estimation of late reverberant spectral variance using modified weighted prediction error method. Speech Communication, 2017, 92, 100-113.	2.8	4
152	Noise Robust Formant Frequency Estimation Method Based on Spectral Model of Repeated Autocorrelation of Speech. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1357-1370.	5.8	7
153	Rayleigh modeling of teager energy operated perceptual wavelet packet coefficients for enhancing noisy speech. Speech Communication, 2017, 86, 64-74.	2.8	10
154	Teager energy operated perceptual wavelet packet transform coefficients for arithmetic task classification from EEG signals. , 2017, , .		2
155	Integer frequency offset detection with reduced complexity in OFDM systems. , 2017, , .		0
156	Robust single-shot fringe pattern projection for three-dimensional measurements. , 2017, , .		0
157	Hierarchy precoder design for multi–cell multiuser multiple–input–multiple–output wireless networks with interference alignment. IET Signal Processing, 2016, 10, 218-226.	1.5	2
158	Direction-of-arrival estimation based on Toeplitz covariance matrix reconstruction. , 2016, , .		22
159	A Precoding-Based Compute-and-Forward. IEEE Communications Letters, 2016, 20, 1080-1083.	4.1	0
160	Recent Developments in Speech Enhancement in the Short-Time Fourier Transform Domain. IEEE Circuits and Systems Magazine, 2016, 16, 45-77.	2.3	55
161	Single channel speech enhancement using subband iterative Kalman filter. , 2016, , .		14
162	Improved Coarse Timing Estimation in OFDM Systems Using High-Order Statistics. IEEE Transactions on Communications, 2016, 64, 5239-5253.	7.8	16

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163	Energy efficient optimization for physical layer security in cognitive relay networks. , 2016, , .		13
164	Energy efficient beamforming for secure communication in cognitive radio networks. , 2016, , .		8
165	Secure Transmission in Cognitive Satellite Terrestrial Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 3025-3037.	14.0	277
166	Asymptotic Capacity Analysis of Large-Scale MIMO AF Relay Networks in a Composite Fading Environment. IEEE Transactions on Vehicular Technology, 2016, 65, 8895-8909.	6.3	6
167	Efficient Two-Dimensional Direction-of-Arrival Estimation for a Mixture of Circular and Noncircular Sources. IEEE Sensors Journal, 2016, 16, 2527-2536.	4.7	72
168	Adaptive Interference Alignment in Downlink Cellular Networks With Variable Data Rate Demand. IEEE Transactions on Vehicular Technology, 2016, 65, 9192-9208.	6.3	2
169	Performance Analysis of MIMO MRC Systems With Feedback Delay and Channel Estimation Error. IEEE Transactions on Vehicular Technology, 2016, 65, 707-717.	6.3	18
170	Outage Performance of Cognitive Hybrid Satellite-terrestrial Networks With Interference Constraint. IEEE Transactions on Vehicular Technology, 2016, 65, 9397-9404.	6.3	137
171	Direction of Arrival Estimation for Off-Grid Signals Based on Sparse Bayesian Learning. IEEE Sensors Journal, 2016, 16, 2004-2016.	4.7	113
172	Transmit Power Minimization for Two-Way Amplify-and-Forward Relaying With Asymmetric Traffic Requirements. IEEE Transactions on Vehicular Technology, 2016, 65, 9687-9702.	6.3	5
173	Security-Reliability Tradeoff Analysis of Multirelay-Aided Decode-and-Forward Cooperation Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 5825-5831.	6.3	44
174	Pilot Allocation for Distributed-Compressed-Sensing-Based Sparse Channel Estimation in MIMO-OFDM Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 2990-3004.	6.3	77
175	Joint Beamforming and Power Control for Device-to-Device Communications Underlying Cellular Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 138-150.	14.0	93
176	Eliminating privacy amplification in secret key generation from wireless channels. , 2015, , .		2
177	An improved GMP based localization algorithm for unknown target population environments. , 2015, , .		1
178	Fast and efficient DOA estimation method for signals with known waveforms using nonuniform linear arrays. Signal Processing, 2015, 114, 265-276.	3.7	22
179	Object detection oriented video reconstruction using compressed sensing. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.7	3
180	Carrier frequency and sampling rate offsets effect on sub 6 GHz Massive MIMO. , 2015, , .		1

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181	Energy efficient power allocation and relay location for asymmetric bi-directional relaying. , 2015, , .		4
182	Real-Valued ESPRIT for two-dimensional DOA estimation of noncircular signals for acoustic vector sensor array. , 2015, , .		4
183	Spectrum sensing based on fractional lower order moments for cognitive radios in $\hat{\lambda}$ -stable distributed noise. Signal Processing, 2015, 111, 94-105.	3.7	43
184	Optimal Energy to Spectral-Efficiency Trade-off in Cooperative Networks. Wireless Personal Communications, 2015, 82, 1547-1566.	2.7	1
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