Rodrigo de Lamare

List of Publications by Year
in descending order

408 papers	4,756 citations	101384 36 h-index	168136 53 g-index
408 all docs	408 docs citations	408 times ranked	2409 citing authors

#	Article	IF	Citations
1	Adaptive Reduced-Rank Processing Based on Joint and Iterative Interpolation, Decimation, and Filtering. IEEE Transactions on Signal Processing, 2009, 57, 2503-2514.	3.2	154
2	Reduced-Rank STAP Schemes for Airborne Radar Based on Switched Joint Interpolation, Decimation and Filtering Algorithm. IEEE Transactions on Signal Processing, 2010, 58, 4182-4194.	3.2	125
3	Minimum Mean-Squared Error Iterative Successive Parallel Arbitrated Decision Feedback Detectors for DS-CDMA Systems. IEEE Transactions on Communications, 2008, 56, 778-789.	4.9	113
4	Generalized Design of Low-Complexity Block Diagonalization Type Precoding Algorithms for Multiuser MIMO Systems. IEEE Transactions on Communications, 2013, 61, 4232-4242.	4.9	98
5	Large-Scale Antenna Systems With UL/DL Hardware Mismatch: Achievable Rates Analysis and Calibration. IEEE Transactions on Communications, 2015, 63, 1216-1229.	4.9	96
6	Reduced-Rank Adaptive Filtering Based on Joint Iterative Optimization of Adaptive Filters. IEEE Signal Processing Letters, 2007, 14, 980-983.	2.1	84
7	L_1-Regularized STAP Algorithms With a Generalized Sidelobe Canceler Architecture for Airborne Radar. IEEE Transactions on Signal Processing, 2012, 60, 674-686.	3.2	79
8	Robust Adaptive Beamforming Using a Low-Complexity Shrinkage-Based Mismatch Estimation Algorithm. IEEE Signal Processing Letters, 2014, 21, 60-64.	2.1	74
9	A survey on active noise control in the past decade—Part I: Linear systems. Signal Processing, 2021, 183, 108039.	2.1	70
10	Multiple Feedback Successive Interference Cancellation Detection for Multiuser MIMO Systems. IEEE Transactions on Wireless Communications, 2011, 10, 2434-2439.	6.1	69
11	Branch-and-Bound Precoding for Multiuser MIMO Systems With 1-Bit Quantization. IEEE Wireless Communications Letters, 2017, 6, 770-773.	3.2	67
12	Adaptive reduced-rank LCMV beamforming algorithms based on joint iterative optimization of filters: Design and analysis. Signal Processing, 2010, 90, 640-652.	2.1	66
13	Adaptive reduced-rank MMSE filtering with interpolated FIR filters and adaptive interpolators. IEEE Signal Processing Letters, 2005, 12, 177-180.	2.1	64
14	Transmit Diversity and Relay Selection Algorithms for Multirelay Cooperative MIMO Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 1084-1098.	3.9	64
15	Blind Adaptive Constrained Reduced-Rank Parameter Estimation Based on Constant Modulus Design for CDMA Interference Suppression. IEEE Transactions on Signal Processing, 2008, 56, 2470-2482.	3.2	63
16	Set-Membership Adaptive Algorithms Based on Time-Varying Error Bounds for CDMA Interference Suppression. IEEE Transactions on Vehicular Technology, 2009, 58, 644-654.	3.9	60
17	Reduced-Rank Space–Time Adaptive Interference Suppression With Joint Iterative Least Squares Algorithms for Spread-Spectrum Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 1217-1228.	3.9	59
18	Distributed Compressed Estimation Based on Compressive Sensing. IEEE Signal Processing Letters, 2015, 22, 1311-1315.	2.1	58

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19	Robust Adaptive Beamforming Based on Low-Rank and Cross-Correlation Techniques. IEEE Transactions on Signal Processing, 2016, 64, 3919-3932.	3.2	58
20	Reduced-Rank STAP Algorithms using Joint Iterative Optimization of Filters. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 1668-1684.	2.6	57
21	Multi-Branch Tomlinson-Harashima Precoding Design for MU-MIMO Systems: Theory and Algorithms. IEEE Transactions on Communications, 2014, 62, 939-951.	4.9	56
22	Adaptive Reduced-Rank Equalization Algorithms Based on Alternating Optimization Design Techniques for MIMO Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 2482-2494.	3.9	55
23	Low-Complexity Lattice Reduction-Aided Regularized Block Diagonalization for MU-MIMO Systems. IEEE Communications Letters, 2012, 16, 925-928.	2.5	51
24	Robust Distributed Diffusion Recursive Least Squares Algorithms With Side Information for Adaptive Networks. IEEE Transactions on Signal Processing, 2019, 67, 1566-1581.	3.2	48
25	A survey on active noise control in the past decadeâ€"Part II: Nonlinear systems. Signal Processing, 2021, 181, 107929.	2.1	47
26	Low-complexity variable step-size mechanisms for stochastic gradient algorithms in minimum variance CDMA receivers. IEEE Transactions on Signal Processing, 2006, 54, 2302-2317.	3.2	44
27	Adaptive MBER decision feedback multiuser receivers in frequency selective fading channels. IEEE Communications Letters, 2003, 7, 73-75.	2.5	43
28	Low-Complexity Set-Membership Channel Estimation for Cooperative Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 2594-2607.	3.9	43
29	Adaptive and Iterative Multi-Branch MMSE Decision Feedback Detection Algorithms for Multi-Antenna Systems. IEEE Transactions on Wireless Communications, 2013, 12, 5294-5308.	6.1	42
30	Widely Linear Precoding for Large-Scale MIMO with IQI: Algorithms and Performance Analysis. IEEE Transactions on Wireless Communications, 2017, 16, 3298-3312.	6.1	42
31	Blind adaptive code-constrained constant modulus algorithms for CDMA interference suppression in multipath channels. IEEE Communications Letters, 2005, 9, 334-336.	2.5	41
32	Maximum Entropy-Based Interference-Plus-Noise Covariance Matrix Reconstruction for Robust Adaptive Beamforming. IEEE Signal Processing Letters, 2020, 27, 845-849.	2.1	41
33	Diffusion Normalized Least Mean M-estimate Algorithms: Design and Performance Analysis. IEEE Transactions on Signal Processing, 2020, 68, 2199-2214.	3.2	41
34	Blind adaptive MIMO receivers for space-time block-coded DS-CDMA systems in multipath channels using the constant modulus criterion. IEEE Transactions on Communications, 2010, 58, 21-27.	4.9	37
35	Adaptive Interference Suppression for DS-CDMA Systems Based on Interpolated FIR Filters With Adaptive Interpolators in Multipath Channels. IEEE Transactions on Vehicular Technology, 2007, 56, 2457-2474.	3.9	36
36	Reduced-dimension robust capon beamforming using Krylov-subspace techniques. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 270-289.	2.6	36

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37	Adaptive Decision-Feedback Detection With Constellation Constraints for MIMO Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 853-859.	3.9	35
38	Sparsity-Based STAP Using Alternating Direction Method With Gain/Phase Errors. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2756-2768.	2.6	35
39	Iterative Detection and Decoding Algorithms for MIMO Systems in Block-Fading Channels Using LDPC Codes. IEEE Transactions on Vehicular Technology, 2016, 65, 2735-2741.	3.9	34
40	Joint Power and Bandwidth Allocation for Energy-Efficient Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2019, 67, 6168-6178.	4.9	34
41	Joint iterative interference cancellation and parameter estimation for cdma systems. IEEE Communications Letters, 2007, 11, 916-918.	2.5	33
42	Constrained adaptive filtering algorithms based on conjugate gradient techniques for beamforming. IET Signal Processing, 2010, 4, 686.	0.9	31
43	Adaptive Reduced-Rank Constrained Constant Modulus Algorithms Based on Joint Iterative Optimization of Filters for Beamforming. IEEE Transactions on Signal Processing, 2010, 58, 2983-2997.	3.2	30
44	Blind Adaptive Constrained Constant-Modulus Reduced-Rank Interference Suppression Algorithms Based on Interpolation and Switched Decimation. IEEE Transactions on Signal Processing, 2011, 59, 681-695.	3.2	30
45	Adaptive Widely Linear Reduced-Rank Beamforming Based on Joint Iterative Optimization. IEEE Signal Processing Letters, 2014, 21, 265-269.	2.1	30
46	Iterative Detection and Decoding for Large-Scale Multiple-Antenna Systems With 1-Bit ADCs. IEEE Wireless Communications Letters, 2018, 7, 476-479.	3.2	30
47	Robust Two-Stage Reduced-Dimension Sparsity-Aware STAP for Airborne Radar With Coprime Arrays. IEEE Transactions on Signal Processing, 2020, 68, 81-96.	3.2	30
48	Low-Complexity Variable Forgetting Factor Mechanism for Blind Adaptive Constrained Constant Modulus Algorithms. IEEE Transactions on Signal Processing, 2012, 60, 3988-4002.	3.2	28
49	Low-Complexity Variable Step-Size Mechanism for Code-Constrained Constant Modulus Stochastic Gradient Algorithms Applied to CDMA Interference Suppression. IEEE Transactions on Signal Processing, 2009, 57, 313-323.	3.2	26
50	Linear Precoding and Stream Combining for Rate Splitting in Multiuser MIMO Systems. IEEE Communications Letters, 2020, 24, 890-894.	2.5	26
51	Joint Transmit Diversity Optimization and Relay Selection for Multi-Relay Cooperative MIMO Systems Using Discrete Stochastic Algorithms. IEEE Communications Letters, 2011, 15, 1035-1037.	2.5	25
52	Adaptive Widely Linear Reduced-Rank Interference Suppression Based on the Multistage Wiener Filter. IEEE Transactions on Signal Processing, 2012, 60, 4003-4016.	3.2	25
53	Reduced-Rank DOA Estimation Algorithms Based on Alternating Low-Rank Decomposition. IEEE Signal Processing Letters, 2016, 23, 565-569.	2.1	25
54	Subspace-Orbit Randomized Decomposition for Low-Rank Matrix Approximations. IEEE Transactions on Signal Processing, 2018, 66, 4409-4424.	3.2	25

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55	Adaptive Distributed Space-Time Coding Based on Adjustable Code Matrices for Cooperative MIMO Relaying Systems. IEEE Transactions on Communications, 2013, 61, 2692-2703.	4.9	24
56	Space-Time Adaptive MMSE Multiuser Decision Feedback Detectors With Multiple-Feedback Interference Cancellation for CDMA Systems. IEEE Transactions on Vehicular Technology, 2009, 58, 4129-4140.	3.9	23
57	Design of LDPC Codes Based on Progressive Edge Growth Techniques for Block Fading Channels. IEEE Communications Letters, 2011, 15, 1221-1223.	2.5	23
58	Sparsity-aware space–time adaptive processing algorithms with L1-norm regularisation for airborne radar. IET Signal Processing, 2012, 6, 413.	0.9	23
59	Low-Latency Reweighted Belief Propagation Decoding for LDPC Codes. IEEE Communications Letters, 2012, 16, 1660-1663.	2.5	23
60	Switched Interleaving Techniques with Limited Feedback for Interference Mitigation in DS-CDMA Systems. IEEE Transactions on Communications, 2011, 59, 1946-1956.	4.9	22
61	A low-complexity strategy for speeding up the convergence of convex combinations of adaptive filters. , 2012, , .		22
62	Distributed estimation over sensor networks based on distributed conjugate gradient strategies. IET Signal Processing, 2016, 10, 291-301.	0.9	22
63	Achievable Rate With 1-Bit Quantization and Oversampling Using Continuous Phase Modulation-Based Sequences. IEEE Transactions on Wireless Communications, 2018, 17, 7080-7095.	6.1	22
64	Sparsity-aware SSAF algorithm with individual weighting factors: Performance analysis and improvements in acoustic echo cancellation. Signal Processing, 2021, 178, 107806.	2.1	22
65	Adaptive reduced-rank LCMV beamforming algorithms based on joint iterative optimisation of filters. Electronics Letters, 2008, 44, 565.	0.5	21
66	Sparsity-Aware Adaptive Algorithms Based on Alternating Optimization and Shrinkage. IEEE Signal Processing Letters, 2014, 21, 225-229.	2.1	21
67	Low-complexity adaptive step size constrained constant modulus SG algorithms for adaptive beamforming. Signal Processing, 2009, 89, 2503-2513.	2.1	20
68	Impact of Hardware Impairments on Outage Performance of Hybrid Satellite-Terrestrial Relay Systems. IEEE Access, 2019, 7, 35103-35112.	2.6	20
69	DCD-Based Recursive Adaptive Algorithms Robust Against Impulsive Noise. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1359-1363.	2.2	20
70	Robust MMSE Precoding and Power Allocation for Cell-Free Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 5115-5120.	3.9	20
71	Blind Adaptive Interference Suppression Based on Set-Membership Constrained Constant-Modulus Algorithms With Dynamic Bounds. IEEE Transactions on Signal Processing, 2013, 61, 1288-1301.	3.2	19
72	Buffer-Aided Physical-Layer Network Coding With Optimal Linear Code Designs for Cooperative Networks. IEEE Transactions on Communications, 2018, 66, 2560-2575.	4.9	19

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73	Sparsity-aware subband adaptive algorithms with adjustable penalties. , 2019, 84, 93-106.		19
74	Robust spline adaptive filtering based on accelerated gradient learning: Design and performance analysis. Signal Processing, 2021, 183, 107965.	2.1	19
75	Adaptive Constrained Constant Modulus Algorithm Based on Auxiliary Vector Filtering for Beamforming. IEEE Transactions on Signal Processing, 2010, 58, 5408-5413.	3.2	18
76	Low-Complexity Reduced-Rank Linear Interference Suppression Based on Set-Membership Joint Iterative Optimization for DS-CDMA Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 4324-4337.	3.9	18
77	Design of LDPC Codes Based on Multipath EMD Strategies for Progressive Edge Growth. IEEE Transactions on Communications, 2016, 64, 3208-3219.	4.9	18
78	Gradientâ€based algorithm for designing sensing matrix considering real mutual coherence for compressed sensing systems. IET Signal Processing, 2017, 11, 356-363.	0.9	18
79	Decoder-Optimised Progressive Edge Growth Algorithms for the Design of LDPC Codes with Low Error Floors. IEEE Communications Letters, 2012, 16, 889-892.	2.5	17
80	Adaptive link selection algorithms for distributed estimation. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.0	17
81	Adaptive Reduced-Rank Receive Processing Based on Minimum Symbol-Error-Rate Criterion for Large-Scale Multiple-Antenna Systems. IEEE Transactions on Communications, 2015, 63, 4185-4201.	4.9	17
82	Design of Compressed Sensing System With Probability-Based Prior Information. IEEE Transactions on Multimedia, 2020, 22, 594-609.	5.2	17
83	Constrained Constant Modulus RLS-based Blind Adaptive Beamforming Algorithm for Smart Antennas. , 2007, , .		16
84	Transmit Processing Techniques Based on Switched Interleaving and Limited Feedback for Interference Mitigation in Multiantenna MC-CDMA Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 1559-1570.	3.9	16
85	Tomlinson-Harashima Precoded Rate-Splitting for Multiuser Multiple-Antenna Systems. , 2018, , .		16
86	Dynamic Oversampling for 1-Bit ADCs in Large-Scale Multiple-Antenna Systems. IEEE Transactions on Communications, 2021, 69, 3423-3435.	4.9	16
87	Direction finding algorithms based on joint iterative subspace optimization. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2541-2553.	2.6	15
88	A low-complexity variable forgetting factor constant modulus RLS algorithm for blind adaptive beamforming. Signal Processing, 2014, 105, 277-282.	2.1	15
89	Alternating Optimization Algorithms for Power Adjustment and Receive Filter Design in Multihop Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 173-184.	3.9	15
90	Adaptive Buffer-Aided Distributed Space-Time Coding for Cooperative Wireless Networks. IEEE Transactions on Communications, 2016, 64, 1888-1900.	4.9	15

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91	Enhanced knowledge-aided space–time adaptive processing exploiting inaccurate prior knowledge of the array manifold. , 2017, 60, 262-276.		15
92	Efficient Acoustic Echo Cancellation With Reduced-Rank Adaptive Filtering Based on Selective Decimation and Adaptive Interpolation. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 696-710.	3.8	14
93	Beamspace direction finding based on the conjugate gradient and the auxiliary vector filtering algorithms. Signal Processing, 2013, 93, 641-651.	2.1	14
94	Robust Multibranch Tomlinson–Harashima Precoding Design in Amplify-and-Forward MIMO Relay Systems. IEEE Transactions on Communications, 2014, 62, 3476-3490.	4.9	14
95	Joint TX/RX IQ imbalance parameter estimation using a generalized system model. , 2015, , .		14
96	Anomaly detection in IP networks based on randomized subspace methods. , 2017, , .		14
97	Compressed Randomized UTV Decompositions for Low-Rank Matrix Approximations. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1155-1169.	7.3	14
98	Detection Techniques for Massive Machine-Type Communications: Challenges and Solutions. IEEE Access, 2020, 8, 180928-180954.	2.6	14
99	Successive Interference Cancellation Schemes for Time-Reversal Space-Time Block Codes. IEEE Transactions on Vehicular Technology, 2008, 57, 642-648.	3.9	13
100	Set-membership constrained conjugate gradient adaptive algorithm for beamforming. IET Signal Processing, 2012, 6, 789-797.	0.9	13
101	Robust MMSE Precoding Based on Switched Relaying and Side Information for Multiuser MIMO Relay Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 5677-5687.	3.9	13
102	Distributed Spectrum Estimation Based on Alternating Mixed Discrete-Continuous Adaptation. IEEE Signal Processing Letters, 2016, 23, 551-555.	2.1	13
103	Channel Estimation Using 1-Bit Quantization and Oversampling for Large-scale Multiple-antenna Systems. , 2019, , .		13
104	Robust Sparsity-Aware RLS Algorithms With Jointly-Optimized Parameters Against Impulsive Noise. IEEE Signal Processing Letters, 2022, 29, 1037-1041.	2.1	13
105	Robust Reduced-Rank Adaptive Algorithm Based on Parallel Subgradient Projection and Krylov Subspace. IEEE Transactions on Signal Processing, 2009, 57, 4660-4674.	3.2	12
106	Knowledge-aided STAP algorithm using convex combination of inverse covariance matrices for heterogenous clutter. , 2010, , .		12
107	Dynamic topology adaptation for distributed estimation in smart grids. , 2013, , .		12
108	Sparsity-Based Direct Data Domain Space-Time Adaptive Processing with Intrinsic Clutter Motion. Circuits, Systems, and Signal Processing, 2017, 36, 219-246.	1.2	12

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109	Adaptive Widely Linear Constrained Constant Modulus Reduced-Rank Beamforming. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 477-492.	2.6	12
110	Low-Complexity DCD-Based Sparse Recovery Algorithms. IEEE Access, 2017, 5, 12737-12750.	2.6	12
111	Multistep Knowledge-Aided Iterative ESPRIT: Design and Analysis. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2189-2201.	2.6	12
112	Buffer-Aided Max-Link Relay Selection for Multi-Way Cooperative Multi-Antenna Systems. IEEE Communications Letters, 2019, 23, 1423-1426.	2.5	12
113	Channel Estimation for Large-Scale Multiple-Antenna Systems Using 1-Bit ADCs and Oversampling. IEEE Access, 2020, 8, 85243-85256.	2.6	12
114	List-Based OMP and an Enhanced Model for DOA Estimation With Nonuniform Arrays. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 4457-4464.	2.6	12
115	Adaptive Reduced-Rank MMSE Parameter Estimation Based on an Adaptive Diversity-Combined Decimation and Interpolation Scheme. , 2007, , .		11
116	Robust adaptive beamforming algorithms using the constrained constant modulus criterion. IET Signal Processing, 2014, 8, 447-457.	0.9	11
117	Unique-Word GFDM Transmission Systems. IEEE Wireless Communications Letters, 2017, 6, 746-749.	3.2	11
118	Reduced-dimension space-time adaptive processing with sparse constraints on beam-Doppler selection. Signal Processing, 2019, 157, 78-87.	2.1	11
119	Tomlinson-Harashima Precoded Rate-Splitting With Stream Combiners for MU-MIMO Systems. IEEE Transactions on Communications, 2021, 69, 3833-3845.	4.9	11
120	Energy-Efficient Distributed Learning With Coarsely Quantized Signals. IEEE Signal Processing Letters, 2021, 28, 329-333.	2.1	11
121	Blind Reduced-Rank Adaptive Receivers for DS-UWB Systems Based on Joint Iterative Optimization and the Constrained Constant Modulus Criterion. IEEE Transactions on Vehicular Technology, 2011, 60, 2505-2518.	3.9	10
122	Adaptive Linear Minimum BER Reduced-Rank Interference Suppression Algorithms Based on Joint and Iterative Optimization of Filters. IEEE Communications Letters, 2013, 17, 633-636.	2.5	10
123	Adaptive link selection strategies for distributed estimation in diffusion wireless networks. , 2013, , .		10
124	Distributed Iterative Detection With Reduced Message Passing for Networked MIMO Cellular Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 2947-2954.	3.9	10
125	Joint interference cancellation and relay selection algorithms based on greedy techniques for cooperative DS-CDMA systems. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	10
126	Set-membership adaptive kernel NLMS algorithms: Design and analysis. Signal Processing, 2019, 154, 1-14.	2.1	10

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127	Adaptive Activity-Aware Iterative Detection for Massive Machine-Type Communications. IEEE Wireless Communications Letters, 2019, 8, 1631-1634.	3.2	10
128	Secure Beamforming for Cooperative Wireless-Powered Networks With Partial CSI. IEEE Internet of Things Journal, 2019, 6, 6760-6773.	5.5	10
129	C-RAN-Type Cluster-Head-Driven UAV Relaying With Recursive Maximum Minimum Distance. IEEE Communications Letters, 2020, 24, 2623-2627.	2.5	10
130	Proximal Normalized Subband Adaptive Filtering for Acoustic Echo Cancellation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2174-2188.	4.0	10
131	Sparsity-aware pseudo affine projection algorithm for active noise control. , 2014, , .		9
132	Joint maximum likelihood detection and link selection for cooperative MIMO relay systems. IET Communications, 2014, 8, 2489-2499.	1.5	9
133	Switched Max-Link Relay Selection Based on Maximum Minimum Distance for Cooperative MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 1928-1941.	3.9	9
134	Iterative List Detection and Decoding for Massive Machine-Type Communications. IEEE Transactions on Communications, 2020, 68, 6276-6288.	4.9	9
135	Reduced-rank STAP algorithm for adaptive radar based on joint iterative optimization of adaptive filters. , 2008, , .		8
136	Variable forgetting factor mechanisms for diffusion recursive least squares algorithm in sensor networks. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.0	8
137	Distributed low-rank adaptive estimation algorithms based on alternating optimization. Signal Processing, 2018, 144, 41-51.	2.1	8
138	Puncturing Based on Polarization for Polar Codes in 5G Networks. , 2018, , .		8
139	Knowledgeâ€aided informed dynamic scheduling for LDPC decoding of short blocks. IET Communications, 2018, 12, 1094-1101.	1.5	8
140	Zero-Crossing Precoding with Maximum Distance to the Decision Threshold for Channels with 1-Bit Quantization and Oversampling. , 2020, , .		8
141	Robust Adaptive Filtering Based on Exponential Functional Link Network: Analysis and Application. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2720-2724.	2.2	8
142	Robust Adaptive Beamforming Based on Low-Complexity Discrete Fourier Transform Spatial Sampling. IEEE Access, 2021, 9, 84845-84856.	2.6	8
143	Dynamic Message Scheduling Based on Activity-Aware Residual Belief Propagation for Asynchronous mMTC. IEEE Wireless Communications Letters, 2021, 10, 1290-1294.	3.2	8
144	Robust adaptive beamforming based on virtual sensors using low-complexity spatial sampling. Signal Processing, 2021, 188, 108172.	2.1	8

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145	Tukey's Biweight M-Estimate With Conjugate Gradient Adaptive Learning. IEEE Signal Processing Letters, 2022, 29, 1117-1121.	2.1	8
146	Polar Codes Based on Piecewise Gaussian Approximation: Design and Analysis. IEEE Access, 2022, 10, 73571-73582.	2.6	8
147	Adaptive space-time reduced-rank estimation based on diversity-combined decimation and interpolation applied to interference suppression in CDMA systems. IET Signal Processing, 2009, 3, 150.	0.9	7
148	Minimum SER Block Precoding and Equalization for Frequency-Selective Fading Channels. IEEE Transactions on Vehicular Technology, 2010, 59, 1023-1030.	3.9	7
149	Knowledge-aided direction finding based on Unitary ESPRIT. , 2011, , .		7
150	L_1 regularized stap algorithm with a generalized sidelobe canceler architecture for airborne radar. , 2011, , .		7
151	Robust adaptive beamforming algorithms using low-complexity mismatch estimation. , 2011, , .		7
152	Widely linear adaptive beamforming algorithm based on the conjugate gradient method. , 2011, , .		7
153	Generalised Quasi-Cyclic LDPC codes based on Progressive Edge Growth Techniques for block fading channels. , 2012, , .		7
154	Lattice reduction-aided regularized block diagonalization for multiuser MIMO systems. , 2012, , .		7
155	Joint Linear Receiver Design and Power Allocation Using Alternating Optimization Algorithms for Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 4129-4141.	3.9	7
156	Reduced-rank space-time adaptive interference suppression for navigation systems based on QR decomposition and approximations of basis functions. International Journal of Communication Systems, 2012, 25, 616-635.	1.6	7
157	Lattice-reduction aided Successive Optimization Tomlinson-Harashima Precoding strategies for physical-layer security in wireless networks. , 2014, , .		7
158	Widely-linear minimum-mean-squared error multiple-candidate successive interference cancellation for multiple access interference and jamming suppression in direct-sequence code-division multiple-access systems. IET Signal Processing, 2015, 9, 73-81.	0.9	7
159	Sliding Window Based Linear Signal Detection Using 1-Bit Quantization and Oversampling for Large-Scale Multiple-Antenna Systems. , 2018, , .		7
160	Rate-Compatible Polar Codes Based on Polarization-Driven Shortening. IEEE Communications Letters, 2018, 22, 1984-1987.	2.5	7
161	Distributed Robust Beamforming Based on Low-Rank and Cross-Correlation Techniques: Design and Analysis. IEEE Transactions on Signal Processing, 2019, 67, 6411-6423.	3.2	7
162	Cloud-Driven Multi-Way Multiple-Antenna Relay Systems: Joint Detection, Best-User-Link Selection and Analysis. IEEE Transactions on Communications, 2020, 68, 3342-3354.	4.9	7

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163	Secrecy rate maximization for hardware impaired untrusted relaying network with deep learning. Physical Communication, 2021, 49, 101476.	1.2	7
164	Iterative AP selection, MMSE precoding and power allocation in cell‐free massive MIMO systems. IET Communications, 2020, 14, 3996-4006.	1.5	7
165	M-estimate affine projection spline adaptive filtering algorithm: Analysis and implementation. , 2022, 123, 103452.		7
166	General Robust Subband Adaptive Filtering: Algorithms and Applications. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 2128-2140.	4.0	7
167	Distributed Quantization-Aware RLS Learning With Bias Compensation and Coarsely Quantized Signals. IEEE Transactions on Signal Processing, 2022, 70, 3441-3455.	3.2	7
168	Differential Bell-Labs Layered Space Time Architectures. , 2007, , .		6
169	Reduced-rank STAP for MIMO radar based on joint iterative optimization of knowledge-aided adaptive filters. , 2009, , .		6
170	Reduced-rank DOA estimation based on joint iterative subspace recursive optimization and grid search. , 2010, , .		6
171	Non-data-aided adaptive beamforming algorithm based on the Widely Linear Auxiliary Vector Filter. , 2011, , .		6
172	Data-adaptive reduced-dimension robust Capon beamforming. , 2013, , .		6
173	Adaptive decision feedback detection with parallel interference cancellation and constellation constraints for multiuser multi‐input‐multi‐output systems. IET Communications, 2013, 7, 538-547.	1.5	6
174	Multi-branch lattice reduction successive interference cancellation detection for multiuser MIMO systems. , 2014, , .		6
175	Low-rank and sparse matrix recovery based on a randomized rank-revealing decomposition. , 2017, , .		6
176	Variable List Detection for Multiuser MIMO Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 3012-3023.	3.9	6
177	Opportunistic Relaying and Jamming Based on Secrecy-Rate Maximization for Multiuser Buffer-Aided Relay Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 15269-15283.	3.9	6
178	Joint Channel Estimation, Activity Detection and Data Decoding Based on Dynamic Message-Scheduling Strategies for mMTC. IEEE Transactions on Communications, 2022, 70, 2464-2479.	4.9	6
179	Robust and Adaptive Power Allocation Techniques for Rate Splitting Based MU-MIMO Systems. IEEE Transactions on Communications, 2022, 70, 4656-4670.	4.9	6
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