Ali H Sayed

List of Publications by Year
in descending order

425 papers	24,666 citations	16451 64 h-index	9861 141 g-index
436 all docs	436 docs citations	436 times ranked	7999 citing authors

#	Article	IF	Citations
1	Network-based wireless location: challenges faced in developing techniques for accurate wireless location information. IEEE Signal Processing Magazine, 2005, 22, 24-40.	5.6	1,080
2	Diffusion LMS Strategies for Distributed Estimation. IEEE Transactions on Signal Processing, 2010, 58, 1035-1048.	5.3	1,042
3	Optimal Linear Cooperation for Spectrum Sensing in Cognitive Radio Networks. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 28-40.	10.8	873
4	Diffusion Least-Mean Squares Over Adaptive Networks: Formulation and Performance Analysis. IEEE Transactions on Signal Processing, 2008, 56, 3122-3136.	5.3	859
5	A Leakage-Based Precoding Scheme for Downlink Multi-User MIMO Channels. IEEE Transactions on Wireless Communications, 2007, 6, 1711-1721.	9.2	725
6	Diffusion Strategies for Distributed Kalman Filtering and Smoothing. IEEE Transactions on Automatic Control, 2010, 55, 2069-2084.	5.7	685
7	Optimal Multiband Joint Detection for Spectrum Sensing in Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2009, 57, 1128-1140.	5.3	616
8	Incremental Adaptive Strategies Over Distributed Networks. IEEE Transactions on Signal Processing, 2007, 55, 4064-4077.	5.3	573
9	Diffusion recursive least-squares for distributed estimation over adaptive networks. IEEE Transactions on Signal Processing, 2008, 56, 1865-1877.	5.3	550
10	Diffusion Adaptation Strategies for Distributed Optimization and Learning Over Networks. IEEE Transactions on Signal Processing, 2012, 60, 4289-4305.	5.3	489
11	Adaptive Networks. Proceedings of the IEEE, 2014, 102, 460-497.	21.3	441
12	Variable Step-Size NLMS and Affine Projection Algorithms. IEEE Signal Processing Letters, 2004, 11, 132-135.	3.6	436
13	Diffusion strategies for adaptation and learning over networks: an examination of distributed strategies and network behavior. IEEE Signal Processing Magazine, 2013, 30, 155-171.	5.6	391
14	Displacement Structure: Theory and Applications. SIAM Review, 1995, 37, 297-386.	9.5	367
15	Multi-input multi-output fading channel tracking and equalization using Kalman estimation. IEEE Transactions on Signal Processing, 2002, 50, 1065-1076.	5.3	364
16	Diffusion Strategies Outperform Consensus Strategies for Distributed Estimation Over Adaptive Networks. IEEE Transactions on Signal Processing, 2012, 60, 6217-6234.	5.3	344
17	Mean-square performance of a convex combination of two adaptive filters. IEEE Transactions on Signal Processing, 2006, 54, 1078-1090.	5.3	338
18	Multiuser Two-Way Amplify-and-Forward Relay Processing and Power Control Methods for Beamforming Systems. IEEE Transactions on Signal Processing, 2010, 58, 1833-1846.	5.3	317

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19	Diffusion Least-Mean Squares With Adaptive Combiners: Formulation and Performance Analysis. IEEE Transactions on Signal Processing, 2010, 58, 4795-4810.	5.3	302
20	Collaborative wideband sensing for cognitive radios. IEEE Signal Processing Magazine, 2008, 25, 60-73.	5.6	299
21	Compensation schemes and performance analysis of IQ imbalances in OFDM receivers. IEEE Transactions on Signal Processing, 2005, 53, 3257-3268.	5.3	286
22	A framework for state-space estimation with uncertain models. IEEE Transactions on Automatic Control, 2001, 46, 998-1013.	5.7	285
23	Mean-Square Performance of a Family of Affine Projection Algorithms. IEEE Transactions on Signal Processing, 2004, 52, 90-102.	5.3	275
24	The finite-length multi-input multi-output MMSE-DFE. IEEE Transactions on Signal Processing, 2000, 48, 2921-2936.	5.3	272
25	Diffusion Adaptation Over Networks. Academic Press Library in Signal Processing, 2014, 3, 323-453.	0.8	256
26	A unified approach to the steady-state and tracking analyses of adaptive filters. IEEE Transactions on Signal Processing, 2001, 49, 314-324.	5.3	229
27	Multitask Diffusion Adaptation Over Networks. IEEE Transactions on Signal Processing, 2014, 62, 4129-4144.	5.3	214
28	Parameter Estimation in the Presence of Bounded Data Uncertainties. SIAM Journal on Matrix Analysis and Applications, 1998, 19, 235-252.	1.4	206
29	H/sup ∞/ optimality of the LMS algorithm. IEEE Transactions on Signal Processing, 1996, 44, 267-280.	5.3	194
30	Linear estimation in Krein spaces. II. Applications. IEEE Transactions on Automatic Control, 1996, 41, 34-49.	5.7	194
31	Diffusion LMS Over Multitask Networks. IEEE Transactions on Signal Processing, 2015, 63, 2733-2748.	5.3	181
32	Sparse Distributed Learning Based on Diffusion Adaptation. IEEE Transactions on Signal Processing, 2013, 61, 1419-1433.	5.3	179
33	Active Antenna Selection in Multiuser MIMO Communications. IEEE Transactions on Signal Processing, 2007, 55, 1498-1510.	5.3	174
34	Analysis of Spatial and Incremental LMS Processing for Distributed Estimation. IEEE Transactions on Signal Processing, 2011, 59, 1465-1480.	5.3	165
35	Mobile Adaptive Networks. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 649-664.	10.8	164
36	Distributed MMSE Relay Strategies for Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2007, 55, 3336-3348.	5.3	162

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37	Cooperative Sensing via Sequential Detection. IEEE Transactions on Signal Processing, 2010, 58, 6266-6283.	5.3	155
38	Distributed Detection Over Adaptive Networks Using Diffusion Adaptation. IEEE Transactions on Signal Processing, 2011, 59, 1917-1932.	5.3	152
39	Distributed Estimation Over an Adaptive Incremental Network Based on the Affine Projection Algorithm. IEEE Transactions on Signal Processing, 2010, 58, 151-164.	5.3	145
40	Transient analysis of data-normalized adaptive filters. IEEE Transactions on Signal Processing, 2003, 51, 639-652.	5.3	142
41	Diffusion Adaptation Over Networks Under Imperfect Information Exchange and Non-Stationary Data. IEEE Transactions on Signal Processing, 2012, 60, 3460-3475.	5.3	141
42	Modeling Bird Flight Formations Using Diffusion Adaptation. IEEE Transactions on Signal Processing, 2011, 59, 2038-2051.	5.3	138
43	Distributed Pareto Optimization via Diffusion Strategies. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 205-220.	10.8	137
44	Coherent optical MIMO (COMIMO). Journal of Lightwave Technology, 2005, 23, 2410-2419.	4.6	134
45	Compensation of Phase Noise in OFDM Wireless Systems. IEEE Transactions on Signal Processing, 2007, 55, 5407-5424.	5.3	127
46	MIMO OFDM receivers for Systems with IQ imbalances. IEEE Transactions on Signal Processing, 2005, 53, 3583-3596.	5.3	121
47	Optimal Linear Fusion for Distributed Detection Via Semidefinite Programming. IEEE Transactions on Signal Processing, 2010, 58, 2431-2436.	5.3	121
48	Joint compensation of transmitter and receiver impairments in OFDM systems. IEEE Transactions on Wireless Communications, 2007, 6, 240-247.	9.2	112
49	Performance Limits for Distributed Estimation Over LMS Adaptive Networks. IEEE Transactions on Signal Processing, 2012, 60, 5107-5124.	5.3	112
50	A time-domain feedback analysis of filtered-error adaptive gradient algorithms. IEEE Transactions on Signal Processing, 1996, 44, 1428-1439.	5.3	106
51	Exact Diffusion for Distributed Optimization and Learning—Part I: Algorithm Development. IEEE Transactions on Signal Processing, 2019, 67, 708-723.	5.3	102
52	Combinations of Adaptive Filters: Performance and convergence properties. IEEE Signal Processing Magazine, 2016, 33, 120-140.	5.6	100
53	On the Learning Behavior of Adaptive Networks—Part I: Transient Analysis. IEEE Transactions on Information Theory, 2015, 61, 3487-3517.	2.4	98
54	Distributed Recursive Least-Squares Strategies Over Adaptive Networks. , 2006, , .		96

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55	Transient analysis of adaptive filters with error nonlinearities. IEEE Transactions on Signal Processing, 2003, 51, 653-663.	5.3	94
56	Adaptive Filters with Error Nonlinearities: Mean-Square Analysis and Optimum Design. Eurasip Journal on Advances in Signal Processing, 2001, 2001, 192-205.	1.7	91
57	A feedback approach to the steady-state performance of fractionally spaced blind adaptive equalizers. IEEE Transactions on Signal Processing, 2000, 48, 80-91.	5.3	90
58	A Multi User Beamforming Scheme for Downlink MIMO Channels Based on Maximizing Signal-to-Leakage Ratios. , 0, , .		89
59	Diffusion Bias-Compensated RLS Estimation Over Adaptive Networks. IEEE Transactions on Signal Processing, 2011, 59, 5212-5224.	5.3	86
60	Fundamentals and challenges of optical multiple-input multiple-output multimode fiber links [Topics in Optical Communications]. , 2007, 45, 57-63.		84
61	Distributed Clustering and Learning Over Networks. IEEE Transactions on Signal Processing, 2015, 63, 3285-3300.	5.3	84
62	Adaptive Penalty-Based Distributed Stochastic Convex Optimization. IEEE Transactions on Signal Processing, 2014, 62, 3924-3938.	5.3	80
63	A Regularized Robust Design Criterion for Uncertain Data. SIAM Journal on Matrix Analysis and Applications, 2002, 23, 1120-1142.	1.4	75
64	Joint rate and power control algorithms for wireless networks. IEEE Transactions on Signal Processing, 2005, 53, 4204-4214.	5.3	74
65	Dictionary Learning Over Distributed Models. IEEE Transactions on Signal Processing, 2015, 63, 1001-1016.	5.3	73
66	An Optimal Strategy for Cooperative Spectrum Sensing in Cognitive Radio Networks. , 2007, , .		67
67	On the Learning Behavior of Adaptive Networks—Part II: Performance Analysis. IEEE Transactions on Information Theory, 2015, 61, 3518-3548.	2.4	67
68	Bio-Inspired Decentralized Radio Access Based on Swarming Mechanisms Over Adaptive Networks. IEEE Transactions on Signal Processing, 2013, 61, 3183-3197.	5.3	65
69	Diffusion Least-Mean Squares Over Adaptive Networks. , 2007, , .		64
70	Steady-State MSE Performance Analysis of Mixture Approaches to Adaptive Filtering. IEEE Transactions on Signal Processing, 2010, 58, 4050-4063.	5.3	64
71	Clock Jitter Compensation in High-Rate ADC Circuits. IEEE Transactions on Signal Processing, 2012, 60, 5738-5753.	5.3	62
72	Asynchronous Adaptation and Learning Over Networks—Part I: Modeling and Stability Analysis. IEEE Transactions on Signal Processing, 2015, 63, 811-826.	5.3	60

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73	Distributed Learning for Stochastic Generalized Nash Equilibrium Problems. IEEE Transactions on Signal Processing, 2017, 65, 3893-3908.	5.3	58
74	Optimal Spectral Feature Detection for Spectrum Sensing at Very Low SNR. IEEE Transactions on Communications, 2011, 59, 201-212.	7.8	57
75	Multitask Learning Over Graphs: An Approach for Distributed, Streaming Machine Learning. IEEE Signal Processing Magazine, 2020, 37, 14-25.	5.6	57
76	Extended Chandrasekhar recursions. IEEE Transactions on Automatic Control, 1994, 39, 619-623.	5.7	55
77	Efficient adaptive receivers for joint equalization and interference cancellation in multiuser space-time block-coded systems. IEEE Transactions on Signal Processing, 2003, 51, 2849-2862.	5.3	55
78	Diffusion adaptive networks with changing topologies. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	55
79	Multitask Diffusion Adaptation Over<?Pub _newline ?>Asynchronous Networks. IEEE Transactions on Signal Processing, 2016, 64, 2835-2850.	5.3	55
80	Robust Adaptation in Impulsive Noise. IEEE Transactions on Signal Processing, 2016, 64, 2851-2865.	5.3	55
81	Decentralized Consensus Optimization With Asynchrony and Delays. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 293-307.	2.8	55
82	Clustering via diffusion adaptation over networks. , 2012, , .		53
83	Revisiting correlation-based functional connectivity and its relationship with structural connectivity. Network Neuroscience, 2020, 4, 1235-1251.	2.6	53
84	Proximal Multitask Learning Over Networks With Sparsity-Inducing Coregularization. IEEE Transactions on Signal Processing, 2016, 64, 6329-6344.	5.3	52
85	Diffusion LMS for Multitask Problems With Local Linear Equality Constraints. IEEE Transactions on Signal Processing, 2017, 65, 4979-4993.	5.3	52
86	Exact Diffusion for Distributed Optimization and Learning—Part II: Convergence Analysis. IEEE Transactions on Signal Processing, 2019, 67, 724-739.	5.3	52
87	Steady-State Performance Analysis of a Variable Tap-Length LMS Algorithm. IEEE Transactions on Signal Processing, 2008, 56, 839-845.	5.3	50
88	Error-energy bounds for adaptive gradient algorithms. IEEE Transactions on Signal Processing, 1996, 44, 1982-1989.	5.3	49
89	Multiobjective Filter Design for Uncertain Stochastic Time-Delay Systems. IEEE Transactions on Automatic Control, 2004, 49, 149-154.	5.7	49
90	Capacity enhancement in coherent optical MIMO (COMIMO) multimode fiber links. IEEE Communications Letters, 2006, 10, 195-197.	4.1	48

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91	A Stable and Efficient Algorithm for the Indefinite Linear Least-Squares Problem. SIAM Journal on Matrix Analysis and Applications, 1998, 20, 354-362.	1.4	47
92	An Adaptive Diffusion Augmented CLMS Algorithm for Distributed Filtering of Noncircular Complex Signals. IEEE Signal Processing Letters, 2011, 18, 659-662.	3.6	46
93	Distributed Policy Evaluation Under Multiple Behavior Strategies. IEEE Transactions on Automatic Control, 2015, 60, 1260-1274.	5.7	46
94	Multitask Diffusion Adaptation Over Networks With Common Latent Representations. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 563-579.	10.8	46
95	Learning over social networks via diffusion adaptation. , 2012, , .		45
96	Stabilizing the Generalized Schur Algorithm. SIAM Journal on Matrix Analysis and Applications, 1996, 17, 950-983.	1.4	43
97	Distributed Spectrum Estimation for Small Cell Networks Based on Sparse Diffusion Adaptation. IEEE Signal Processing Letters, 2013, 20, 1261-1265.	3.6	43
98	Estimation of Space-Time Varying Parameters Using a Diffusion LMS Algorithm. IEEE Transactions on Signal Processing, 2014, 62, 403-418.	5.3	43
99	Robust Distributed Estimation by Networked Agents. IEEE Transactions on Signal Processing, 2017, 65, 3909-3921.	5.3	43
100	<title>Time-domain feedback analysis of adaptive gradient algorithms via the small gain theorem</title>. , 1995, , .		42
101	Estimation and control with bounded data uncertainties. Linear Algebra and Its Applications, 1998, 284, 259-306.	0.9	42
102	Social Learning Over Weakly Connected Graphs. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 222-238.	2.8	42
103	Robust FxLMS algorithms with improved convergence performance. IEEE Transactions on Speech and Audio Processing, 1998, 6, 78-85.	1.5	41
104	Decentralized Proximal Gradient Algorithms With Linear Convergence Rates. IEEE Transactions on Automatic Control, 2021, 66, 2787-2794.	5.7	41
105	Digital Compensation of Cross-Modulation Distortion in Software-Defined Radios. IEEE Journal on Selected Topics in Signal Processing, 2009, 3, 348-361.	10.8	40
106	Optimal combination rules for adaptation and learning over networks. , 2011, , .		40
107	Distributed Decision-Making Over Adaptive Networks. IEEE Transactions on Signal Processing, 2014, 62, 1054-1069.	5.3	40
108	Mean-square performance of data-reusing adaptive algorithms. IEEE Signal Processing Letters, 2005, 12, 851-854.	3.6	39

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109	Diffusion-Based Adaptive Distributed Detection: Steady-State Performance in the Slow Adaptation Regime. IEEE Transactions on Information Theory, 2016, 62, 4710-4732.	2.4	39
110	Variance-Reduced Stochastic Learning by Networked Agents Under Random Reshuffling. IEEE Transactions on Signal Processing, 2019, 67, 351-366.	5.3	39
111	A Fast Stable Solver for Nonsymmetric Toeplitz and Quasi-Toeplitz Systems of Linear Equations. SIAM Journal on Matrix Analysis and Applications, 1998, 19, 107-139.	1.4	38
112	On the learning mechanism of adaptive filters. IEEE Transactions on Signal Processing, 2000, 48, 1609-1625.	5.3	38
113	Performance Analysis of Multiband OFDM UWB Communications With Application to Range Improvement. IEEE Transactions on Vehicular Technology, 2007, 56, 3864-3878.	6.3	38
114	Joint compensation of IQ imbalance and phase noise in OFDM wireless systems. IEEE Transactions on Communications, 2009, 57, 404-414.	7.8	38
115	Distributed nonlinear Kalman filtering with applications to wireless localization. , 2010, , .		38
116	An embedding approach to frequency-domain and subband adaptive filtering. IEEE Transactions on Signal Processing, 2000, 48, 2607-2619.	5.3	36
117	Diffusion distributed Kalman filtering with adaptive weights. , 2009, , .		35
118	User Selection Methods for Multiuser Two-Way Relay Communications Using Space Division Multiple Access. IEEE Transactions on Wireless Communications, 2010, 9, 2130-2136.	9.2	34
119	Modeling bee swarming behavior through diffusion adaptation with asymmetric information sharing. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	34
120	Recursive solutions of rational interpolation problems via fast matrix factorization. Integral Equations and Operator Theory, 1994, 20, 84-118.	0.8	33
121	A diffusion rls scheme for distributed estimation over adaptive networks. , 2007, , .		33
122	Array algorithms for H/sup âˆž/ estimation. IEEE Transactions on Automatic Control, 2000, 45, 702-706.	5.7	32
123	Supervised Learning Under Distributed Features. IEEE Transactions on Signal Processing, 2019, 67, 977-992.	5.3	32
124	Diffusion LMS for multitask problems with overlapping hypothesis subspaces. , 2014, , .		31
125	Unbiased and stable leakage-based adaptive filters. IEEE Transactions on Signal Processing, 1999, 47, 3261-3276.	5.3	30
126	Regularized Robust Filters for Time-Varying Uncertain Discrete-Time Systems. IEEE Transactions on Automatic Control, 2004, 49, 970-976.	5.7	30

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127	On the Influence of Informed Agents on Learning and Adaptation Over Networks. IEEE Transactions on Signal Processing, 2013, 61, 1339-1356.	5.3	30
128	Asynchronous Adaptation and Learning Over Networks—Part II: Performance Analysis. IEEE Transactions on Signal Processing, 2015, 63, 827-842.	5.3	30
129	Spectrum Sensing by Cognitive Radios at Very Low SNR. , 2009, , .		29
130	Stability and Performance Limits of Adaptive Primal-Dual Networks. IEEE Transactions on Signal Processing, 2015, 63, 2888-2903.	5.3	29
131	Ability of adaptive filters to track carrier offsets and channel nonstationarities. IEEE Transactions on Signal Processing, 2002, 50, 1533-1544.	5.3	28
132	A Robust Finger Tracking Method for Multimodal Wearable Computer Interfacing. IEEE Transactions on Multimedia, 2006, 8, 956-972.	7.2	28
133	Distributed processing over adaptive networks. , 2007, , .		28
134	Diffusion LMS algorithms with information exchange. , 2008, , .		28
135	Diffusion least-mean squares with adaptive combiners. , 2009, , .		28
136	Multiuser two-way relaying method for beamforming systems. , 2009, , .		28
137	Parameter estimation in the presence of bounded modeling errors. IEEE Signal Processing Letters, 1997, 4, 195-197.	3.6	27
138	Design criteria for uncertain models with structured and unstructured uncertainties. , 1999, , 159-173.		27
139	An invariant matrix structure in multiantenna communications. IEEE Signal Processing Letters, 2005, 12, 749-752.	3.6	27
140	Power Allocation for Beamforming Relay Networks under Channel Uncertainties. , 2009, , .		27
141	A Look-Ahead Block Schur Algorithm for Toeplitz-Like Matrices. SIAM Journal on Matrix Analysis and Applications, 1995, 16, 388-414.	1.4	26
142	Robust wireless location over fading channels. IEEE Transactions on Vehicular Technology, 2003, 52, 117-126.	6.3	25
143	A robust power and rate control method for state-delayed wireless networks. Automatica, 2005, 41, 1917-1924.	5.0	25
144	Self-organization in bird flight formations using diffusion adaptation. , 2009, , .		25

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145	Randomized incremental protocols over adaptive networks. , 2010, , .		25
146	Single-link diffusion strategies over adaptive networks. , 2012, , .		25
147	Diffusion LMS over multitask networks with noisy links. , 2016, , .		25
148	Distributed Coupled Multiagent Stochastic Optimization. IEEE Transactions on Automatic Control, 2020, 65, 175-190.	5.7	25
149	Distributed Learning in Non-Convex Environmentsâ€"Part I: Agreement at a Linear Rate. IEEE Transactions on Signal Processing, 2021, 69, 1242-1256.	5.3	25
150	Stable pole-zero modeling of long FIR filters with application to the MMSE-DFE. IEEE Transactions on Communications, 1997, 45, 508-513.	7.8	24
151	On the limiting behavior of distributed optimization strategies. , 2012, , .		24
152	On the Influence of Bias-Correction on Distributed Stochastic Optimization. IEEE Transactions on Signal Processing, 2020, 68, 4352-4367.	5.3	24
153	Affine Combination of Diffusion Strategies Over Networks. IEEE Transactions on Signal Processing, 2020, 68, 2087-2104.	5.3	24
154	Adaptive Social Learning. IEEE Transactions on Information Theory, 2021, 67, 6053-6081.	2.4	24
155	An Efficient Algorithm for a Bounded Errors-in-Variables Model. SIAM Journal on Matrix Analysis and Applications, 1999, 20, 839-859.	1.4	23
156	Collaborative learning of mixture models using diffusion adaptation. , 2011, , .		23
157	Diffusion Adaptation over Multi-Agent Networks with Wireless Link Impairments. IEEE Transactions on Mobile Computing, 2016, 15, 1362-1376.	5.8	23
158	Consistent Tomography Under Partial Observations Over Adaptive Networks. IEEE Transactions on Information Theory, 2019, 65, 622-646.	2.4	23
159	Spatio-Temporal Diffusion Strategies for Estimation and Detection Over Networks. IEEE Transactions on Signal Processing, 2012, 60, 4017-4034.	5.3	22
160	Diffusion LMS for clustered multitask networks. , 2014, , .		22
161	ONLINE GRAPH LEARNING FROM SEQUENTIAL DATA. , 2018, , .		22
162	Interplay Between Topology and Social Learning Over Weak Graphs. IEEE Open Journal of Signal Processing, 2020, 1, 99-119.	3.5	22

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163	Walkman: A Communication-Efficient Random-Walk Algorithm for Decentralized Optimization. IEEE Transactions on Signal Processing, 2020, 68, 2513-2528.	5.3	22
164	Least Mean-Phase Adaptive Filters With Application to Communications Systems. IEEE Signal Processing Letters, 2004, 11, 220-223.	3.6	21
165	REACA: An Efficient Protocol Architecture for Large Scale Sensor Networks. IEEE Transactions on Wireless Communications, 2007, 6, 2924-2933.	9.2	21
166	Bacterial motility via diffusion adaptation. , 2010, , .		21
167	Cooperative prey herding based on diffusion adaptation. , 2011, , .		21
168	Online Distributed Learning Over Graphs With Multitask Graph-Filter Models. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 63-77.	2.8	21
169	Linear convergence of primalâ€"dual gradient methods and their performance in distributed optimization. Automatica, 2020, 117, 109003.	5.0	21
170	On the convergence of blind adaptive equalizers for constant modulus signals. IEEE Transactions on Communications, 2000, 48, 795-803.	7.8	20
171	Order-recursive RLS Laguerre adaptive filtering. IEEE Transactions on Signal Processing, 2000, 48, 3000-3010.	5.3	20
172	Adaptive predictive power control for the uplink channel in ds-cdma cellular systems. IEEE Transactions on Vehicular Technology, 2003, 52, 1447-1462.	6.3	20
173	Digital adaptive phase noise reduction in coherent optical links. Journal of Lightwave Technology, 2006, 24, 1269-1276.	4.6	20
174	On distributed online classification in the midst of concept drifts. Neurocomputing, 2013, 112, 138-152.	5.9	20
175	Information Exchange and Learning Dynamics Over Weakly Connected Adaptive Networks. IEEE Transactions on Information Theory, 2016, 62, 1396-1414.	2.4	20
176	Time-variant displacement structure and interpolation problems. IEEE Transactions on Automatic Control, 1994, 39, 960-976.	5.7	19
177	Extended fast fixed-order RLS adaptive filters. IEEE Transactions on Signal Processing, 2001, 49, 3015-3031.	5.3	19
178	Spatial-spectral joint detection for wideband spectrum sensing in cognitive radio networks. , 2008, , .		19
179	Adaptive Carrier Tracking for Mars to Earth Communications During Entry, Descent, and Landing. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 1865-1879.	4.7	19
180	Asynchronous Adaptation and Learning Over Networksâ€"Part III: Comparison Analysis. IEEE Transactions on Signal Processing, 2015, 63, 843-858.	5.3	19

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181	Excess-Risk of Distributed Stochastic Learners. IEEE Transactions on Information Theory, 2016, 62, 5753-5785.	2.4	19
182	Decentralized Clustering and Linking by Networked Agents. IEEE Transactions on Signal Processing, 2017, 65, 3526-3537.	5.3	19
183	Adaptation and Learning Over Networks Under Subspace Constraintsâ€"Part I: Stability Analysis. IEEE Transactions on Signal Processing, 2020, 68, 1346-1360.	5.3	19
184	Time-variant displacement structure and triangular arrays. IEEE Transactions on Signal Processing, 1994, 42, 1052-1062.	5.3	18
185	Tracking behavior of mobile adaptive networks. , 2010, , .		18
186	Decentralized clustering over adaptive networks. , 2015, , .		18
187	Diffusion LMS With Communication Delays: Stability and Performance Analysis. IEEE Signal Processing Letters, 2020, 27, 730-734.	3.6	18
188	Displacement Structure and Completion Problems. SIAM Journal on Matrix Analysis and Applications, 1995, 16, 58-78.	1.4	17
189	The Degenerate Bounded Errors-in-Variables Model. SIAM Journal on Matrix Analysis and Applications, 2001, 23, 138-166.	1.4	17
190	Decentralized Resource Assignment in Cognitive Networks Based on Swarming Mechanisms Over Random Graphs. IEEE Transactions on Signal Processing, 2012, 60, 3755-3769.	5.3	17
191	Decentralized consensus optimization with asynchrony and delays. , 2016, , .		17
192	Learning Over Multitask Graphsâ€"Part I: Stability Analysis. IEEE Open Journal of Signal Processing, 2020, 1, 28-45.	3.5	17
193	An l2-stable feedback structure for nonlinear adaptive filtering and identification. Automatica, 1997, 33, 13-30.	5.0	16
194	A uniqueness result concerning a robust regularized least-squares solution. Systems and Control Letters, 2002, 46, 361-369.	2.3	16
195	Sparse diffusion LMS for distributed adaptive estimation. , 2012, , .		16
196	A strategy for adjusting combination weights over adaptive networks. , 2013, , .		16
197	Stochastic gradient descent with finite samples sizes. , 2016, , .		16
198	Dynamic Federated Learning. , 2020, , .		16

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199	Distributed Learning in Non-Convex Environmentsâ€" Part II: Polynomial Escape From Saddle-Points. IEEE Transactions on Signal Processing, 2021, 69, 1257-1270.	5.3	16
200	Robustness of Gaussâ€"Newton recursive methods: A deterministic feedback analysis. Signal Processing, 1996, 50, 165-187.	3.7	15
201	Supervised learning of perceptron and output feedback dynamic networks: a feedback analysis via the small gain theorem. IEEE Transactions on Neural Networks, 1997, 8, 612-622.	4.2	15
202	Distributed detection over adaptive networks based on diffusion estimation schemes. , 2009, , .		15
203	Innovations Diffusion: A Spatial Sampling Scheme for Distributed Estimation and Detection. IEEE Transactions on Signal Processing, 2009, 57, 738-751.	5.3	15
204	Design of half- and full-duplex relay systems based on the MMSE formulation. , 2009, , .		15
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206	Mobile adaptive networks with self-organization abilities. , 2010, , .		15
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208	Information-Sharing Over Adaptive Networks With Self-Interested Agents. IEEE Transactions on Signal and Information Processing Over Networks, 2015, 1, 2-19.	2.8	15
209	Estimation and Detection Over Adaptive Networks. , 2018, , 69-106.		15
210	A Proximal Diffusion Strategy for Multiagent Optimization With Sparse Affine Constraints. IEEE Transactions on Automatic Control, 2020, 65, 4554-4567.	5.7	15
211	Inertia properties of indefinite quadratic forms. IEEE Signal Processing Letters, 1996, 3, 57-59.	3.6	14
212	Steady-state and tracking analyses of the sign algorithm without the explicit use of the independence assumption. IEEE Signal Processing Letters, 2000, 7, 307-309.	3.6	14
213	Cooperative spectrum sensing via sequential detection for cognitive radio networks. , 2009, , .		14
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