

Ali H Sayed

List of Publications by Year in descending order

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Version: 2024-02-01

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	Regularized Diffusion Adaptation via Conjugate Smoothing. IEEE Transactions on Automatic Control, 2022, 67, 2343-2358.	5.7	3
2	Second-Order Guarantees of Stochastic Gradient Descent in Nonconvex Optimization. IEEE Transactions on Automatic Control, 2022, 67, 6489-6504.	5.7	5
3	Dif-MAML: Decentralized Multi-Agent Meta-Learning. IEEE Open Journal of Signal Processing, 2022, 3, 71-93.	3.5	11
4	Decision-making algorithms for learning and adaptation with application to COVID-19 data. Signal Processing, 2022, 194, 108426.	3.7	3
5	Decentralized Learning in the Presence of Low-Rank Noise. , 2022, , .		0
6	Adaptive Diffusion with Compressed Communication. , 2022, , .		5
7	Graph Learning Over Partially Observed Diffusion Networks: Role of Degree Concentration. IEEE Open Journal of Signal Processing, 2022, 3, 335-371.	3.5	3
8	Hidden Markov Modeling Over Graphs. , 2022, , .		3
9	Decentralized Proximal Gradient Algorithms With Linear Convergence Rates. IEEE Transactions on Automatic Control, 2021, 66, 2787-2794.	5.7	41
10	A Multi-Agent Primal-Dual Strategy for Composite Optimization over Distributed Features. , 2021, , .		3
11	Belief Control Strategies for Interactions over Weakly-Connected Graphs. IEEE Open Journal of Signal Processing, 2021, , 1-1.	3.5	0
12	Frequency-Domain Diffusion Adaptation Over Networks. IEEE Transactions on Signal Processing, 2021, 69, 5419-5430.	5.3	8
13	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
14	Dual Consensus Proximal Algorithm for Multi-Agent Sharing Problems. IEEE Transactions on Signal Processing, 2021, 69, 5568-5579.	5.3	6
15	Decision Learning and Adaptation Over Multi-Task Networks. IEEE Transactions on Signal Processing, 2021, 69, 2873-2887.	5.3	7
16	Multiagent Fully Decentralized Value Function Learning With Linear Convergence Rates. IEEE Transactions on Automatic Control, 2021, 66, 1497-1512.	5.7	14
17	Graph-Homomorphic Perturbations for Private Decentralized Learning. , 2021, , .		4
18	Gramian-Based Adaptive Combination Policies for Diffusion Learning Over Networks. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Social Learning Under Inferential Attacks. , 2021, , .		3
20	Network Classifiers Based on Social Learning. , 2021, , .		4
21	Learning Bollobás-Riordan Graphs Under Partial Observability. , 2021, , .		3
22	Competing Adaptive Networks. , 2021, , .		1
23	Adaptive Social Learning. IEEE Transactions on Information Theory, 2021, 67, 6053-6081.	2.4	24
24	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
25	A Graph Federated Architecture with Privacy Preserving Learning. , 2021, , .		11
26	Distributed Meta-Learning with Networked Agents. , 2021, , .		3
27	Online Graph Learning from Social Interactions. , 2021, , .		5
28	Distributed Coupled Multiagent Stochastic Optimization. IEEE Transactions on Automatic Control, 2020, 65, 175-190.	5.7	25
29	Local Tomography of Large Networks Under the Low-Observability Regime. IEEE Transactions on Information Theory, 2020, 66, 587-613.	2.4	14
30	A Proximal Diffusion Strategy for Multiagent Optimization With Sparse Affine Constraints. IEEE Transactions on Automatic Control, 2020, 65, 4554-4567.	5.7	15
31	Learning Over Multitask Graphsâ€”Part II: Performance Analysis. IEEE Open Journal of Signal Processing, 2020, 1, 46-63.	3.5	3
32	Adaptation and learning over networks under subspace constraints Part II: Performance Analysis. IEEE Transactions on Signal Processing, 2020, , 1-1.	5.3	10
33	Learning Over Multitask Graphsâ€”Part I: Stability Analysis. IEEE Open Journal of Signal Processing, 2020, 1, 28-45.	3.5	17
34	Interplay Between Topology and Social Learning Over Weak Graphs. IEEE Open Journal of Signal Processing, 2020, 1, 99-119.	3.5	22
35	Tracking Performance of Online Stochastic Learners. IEEE Signal Processing Letters, 2020, 27, 1385-1389.	3.6	3
36	On the Influence of Bias-Correction on Distributed Stochastic Optimization. IEEE Transactions on Signal Processing, 2020, 68, 4352-4367.	5.3	24

#	ARTICLE	IF	CITATIONS
37	Learning Graph Influence from Social Interactions. , 2020, , .		2
38	Linear Speedup in Saddle-Point Escape for Decentralized Non-Convex Optimization. , 2020, , .		0
39	Dynamic Federated Learning. , 2020, , .		16
40	Graph Learning Under Partial Observability. Proceedings of the IEEE, 2020, 108, 2049-2066.	21.3	8
41	Optimization for Data-Driven Learning and Control. Proceedings of the IEEE, 2020, 108, 1863-1868.	21.3	9
42	Revisiting correlation-based functional connectivity and its relationship with structural connectivity. Network Neuroscience, 2020, 4, 1235-1251.	2.6	53
43	Walkman: A Communication-Efficient Random-Walk Algorithm for Decentralized Optimization. IEEE Transactions on Signal Processing, 2020, 68, 2513-2528.	5.3	22
44	Multitask Learning Over Graphs: An Approach for Distributed, Streaming Machine Learning. IEEE Signal Processing Magazine, 2020, 37, 14-25.	5.6	57
45	Diffusion LMS With Communication Delays: Stability and Performance Analysis. IEEE Signal Processing Letters, 2020, 27, 730-734.	3.6	18
46	Adaptation and Learning in Multi-Task Decision Systems. , 2020, , .		1
47	Variance-Reduced Stochastic Learning Under Random Reshuffling. IEEE Transactions on Signal Processing, 2020, 68, 1390-1408.	5.3	6
48	Adaptation and Learning Over Networks Under Subspace Constraintsâ€”Part I: Stability Analysis. IEEE Transactions on Signal Processing, 2020, 68, 1346-1360.	5.3	19
49	Affine Combination of Diffusion Strategies Over Networks. IEEE Transactions on Signal Processing, 2020, 68, 2087-2104.	5.3	24
50	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
51	Convex Combination of Diffusion Strategies Over Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 714-731.	2.8	8
52	Second-order guarantees in centralized, federated and decentralized nonconvex optimization. Communications in Information and Systems, 2020, 20, 353-388.	0.5	4
53	Linear convergence of primalâ€”dual gradient methods and their performance in distributed optimization. Automatica, 2020, 117, 109003.	5.0	21
54	Second-Order Guarantees in Federated Learning. , 2020, , .		2

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55	Consistent Tomography Under Partial Observations Over Adaptive Networks. IEEE Transactions on Information Theory, 2019, 65, 622-646.	2.4	23
56	Exponential Collapse of Social Beliefs over Weakly-connected Heterogeneous Networks. , 2019, , .		12
57	People's Needs or People's Greed [President's Message]. IEEE Signal Processing Magazine, 2019, 36, 6-8.	5.6	0
58	Graph Learning with Partial Observations: Role of Degree Concentration. , 2019, , .		9
59	"Guilty of the Good We Did Not Do" [President's Message]. IEEE Signal Processing Magazine, 2019, 36, 5-7.	5.6	0
60	Informing the Misinformed [President's Message]. IEEE Signal Processing Magazine, 2019, 36, 5-7.	5.6	0
61	Detection Under One-Bit Messaging Over Adaptive Networks. IEEE Transactions on Information Theory, 2019, 65, 6519-6538.	2.4	7
62	Distributed Value-Function Learning with Linear Convergence Rates. , 2019, , .		6
63	Dynamite, Electricity, and Nobel's World [President's Message]. IEEE Signal Processing Magazine, 2019, 36, 4-6.	5.6	1
64	COVER: A Cluster-based Variance Reduced Method for Online Learning. , 2019, , .		3
65	Distributed Inference over Networks under Subspace Constraints. , 2019, , .		11
66	Diffusion Learning in Non-convex Environments. , 2019, , .		9
67	Team Policy Learning for Multi-agent Reinforcement Learning. , 2019, , .		1
68	Decentralized Decision-Making Over Multi-Task Networks. Signal Processing, 2019, 160, 229-236.	3.7	3
69	Polynomial Escape-Time from Saddle Points in Distributed Non-Convex Optimization. , 2019, , .		1
70	Dynamic Average Diffusion With Randomized Coordinate Updates. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 753-767.	2.8	4
71	Enhanced Diffusion Learning Over Networks. , 2019, , .		3
72	Exact Diffusion for Distributed Optimization and Learningâ€”Part I: Algorithm Development. IEEE Transactions on Signal Processing, 2019, 67, 708-723.	5.3	102

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73	Stochastic Learning Under Random Reshuffling With Constant Step-Sizes. IEEE Transactions on Signal Processing, 2019, 67, 474-489.	5.3	13
74	Exact Diffusion for Distributed Optimization and Learningâ€™Part II: Convergence Analysis. IEEE Transactions on Signal Processing, 2019, 67, 724-739.	5.3	52
75	Supervised Learning Under Distributed Features. IEEE Transactions on Signal Processing, 2019, 67, 977-992.	5.3	32
76	A Regularization Framework for Learning Over Multitask Graphs. IEEE Signal Processing Letters, 2019, 26, 297-301.	3.6	14
77	Variance-Reduced Stochastic Learning by Networked Agents Under Random Reshuffling. IEEE Transactions on Signal Processing, 2019, 67, 351-366.	5.3	39
78	Coordinate-Descent Diffusion Learning by Networked Agents. IEEE Transactions on Signal Processing, 2018, 66, 352-367.	5.3	13
79	Performance limits of stochastic sub-gradient learning, part II: Multi-agent case. Signal Processing, 2018, 144, 253-264.	3.7	14
80	Decentralized Consensus Optimization With Asynchrony and Delays. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 293-307.	2.8	55
81	AN EXPONENTIALLY CONVERGENT ALGORITHM FOR LEARNING UNDER DISTRIBUTED FEATURES. , 2018, , .		2
82	DIVIDE-AND-CONQUER TOMOGRAPHY FOR LARGE-SCALE NETWORKS. , 2018, , .		5
83	Galileo, Fourier, and Openness in Science [President's Message]. IEEE Signal Processing Magazine, 2018, 35, 6-8.	5.6	2
84	Intelligent Machines and Planet of the Apes [President's Message]. IEEE Signal Processing Magazine, 2018, 35, 5-7.	5.6	1
85	Distributed Coupled Learning Over Adaptive Networks. , 2018, , .		2
86	Tomography of Adaptive Multi-Agent Networks Under Limited Observation. , 2018, , .		3
87	Science Is Blind [President's Message]. IEEE Signal Processing Magazine, 2018, 35, 4-6.	5.6	3
88	Twinkle, Twinkle, Little Star [President's Message]. IEEE Signal Processing Magazine, 2018, 35, 5-7.	5.6	2
89	Tomography of Large Adaptive Networks under the Dense Latent Regime : Invited Paper. , 2018, , .		1
90	Decisions Under Binary Messaging Over Adaptive Networks. , 2018, , .		1

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91	Efficient Variance-Reduced Learning Over Multi-Agent Networks. , 2018, , .		2
92	ONLINE GRAPH LEARNING FROM SEQUENTIAL DATA. , 2018, , .		22
93	Distributed Inference Over Multitask Graphs Under Smoothness. , 2018, , .		5
94	Asynchronous Adaptive Networks a. , 2018, , 3-68.		9
95	Estimation and Detection Over Adaptive Networks. , 2018, , 69-106.		15
96	Multitask Learning Over Adaptive Networks With Grouping Strategies. , 2018, , 107-129.		2
97	Distributed Kalman and Particle Filtering. , 2018, , 169-207.		5
98	Consistent Tomography over Diffusion Networks under the Low-Observability Regime. , 2018, , .		6
99	Multitask Diffusion Adaptation Over Networks With Common Latent Representations. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 563-579.	10.8	46
100	Distributed Learning for Stochastic Generalized Nash Equilibrium Problems. IEEE Transactions on Signal Processing, 2017, 65, 3893-3908.	5.3	58
101	Decentralized Clustering and Linking by Networked Agents. IEEE Transactions on Signal Processing, 2017, 65, 3526-3537.	5.3	19
102	Robust Distributed Estimation by Networked Agents. IEEE Transactions on Signal Processing, 2017, 65, 3909-3921.	5.3	43
103	Social Learning Over Weakly Connected Graphs. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 222-238.	2.8	42
104	Belief control strategies for interactions over weak graphs. , 2017, , .		1
105	Diffusion LMS for Multitask Problems With Local Linear Equality Constraints. IEEE Transactions on Signal Processing, 2017, 65, 4979-4993.	5.3	52
106	Diffusion gradient boosting for networked learning. , 2017, , .		6
107	Decentralized exact coupled optimization. , 2017, , .		6
108	Coordinate-descent adaptation over networks. , 2017, , .		1

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109	On the performance of random reshuffling in stochastic learning. , 2017, , .		3
110	Learning by networked agents under partial information. , 2017, , .		3
111	Exact diffusion strategy for optimization by networked agents. , 2017, , .		6
112	Decentralized consensus optimization with asynchrony and delays. , 2016, , .		17
113	The brain strategy for online learning. , 2016, , .		0
114	Diffusion LMS over multitask networks with noisy links. , 2016, , .		25
115	Group diffusion LMS. , 2016, , .		11
116	Detection over diffusion networks: Asymptotic tools for performance prediction and simulation. , 2016, , .		1
117	Online dual coordinate ascent learning. , 2016, , .		0
118	Diffusion social learning over weakly-connected graphs. , 2016, , .		6
119	Proximal Multitask Learning Over Networks With Sparsity-Inducing Coregularization. IEEE Transactions on Signal Processing, 2016, 64, 6329-6344.	5.3	52
120	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
121	Excess-Risk of Distributed Stochastic Learners. IEEE Transactions on Information Theory, 2016, 62, 5753-5785.	2.4	19
122	Stochastic gradient descent with finite samples sizes. , 2016, , .		16
123	Diffusion stochastic optimization with non-smooth regularizers. , 2016, , .		14
124	Adaptive learning for stochastic generalized Nash equilibrium problems. , 2016, , .		1
125	Performance limits of single-agent and multi-agent sub-gradient stochastic learning. , 2016, , .		1
126	On the influence of momentum acceleration on online learning. , 2016, , .		5

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127	Diffusion Estimation Over Cooperative Multi-Agent Networks With Missing Data. IEEE Transactions on Signal and Information Processing Over Networks, 2016, 2, 276-289.	2.8	9
128	Information Exchange and Learning Dynamics Over Weakly Connected Adaptive Networks. IEEE Transactions on Information Theory, 2016, 62, 1396-1414.	2.4	20
129	Multitask Diffusion Adaptation Over Asynchronous Networks. IEEE Transactions on Signal Processing, 2016, 64, 2835-2850.	5.3	55
130	Robust Adaptation in Impulsive Noise. IEEE Transactions on Signal Processing, 2016, 64, 2851-2865.	5.3	55
131	Combinations of Adaptive Filters: Performance and convergence properties. IEEE Signal Processing Magazine, 2016, 33, 120-140.	5.6	100
132	Diffusion Adaptation over Multi-Agent Networks with Wireless Link Impairments. IEEE Transactions on Mobile Computing, 2016, 15, 1362-1376.	5.8	23
133	Adaptive clustering for multitask diffusion networks. , 2015, , .		12
134	Learning by weakly-connected adaptive agents. , 2015, , .		4
135	Stability and Performance Limits of Adaptive Primal-Dual Networks. IEEE Transactions on Signal Processing, 2015, 63, 2888-2903.	5.3	29
136	Diffusion LMS Over Multitask Networks. IEEE Transactions on Signal Processing, 2015, 63, 2733-2748.	5.3	181
137	On the Learning Behavior of Adaptive Networks – Part II: Performance Analysis. IEEE Transactions on Information Theory, 2015, 61, 3518-3548.	2.4	67
138	On the Learning Behavior of Adaptive Networks – Part I: Transient Analysis. IEEE Transactions on Information Theory, 2015, 61, 3487-3517.	2.4	98
139	Decentralized clustering over adaptive networks. , 2015, , .		18
140	Distributed primal strategies outperform primal-dual strategies over adaptive networks. , 2015, , .		1
141	Proximal diffusion for stochastic costs with non-differentiable regularizers. , 2015, , .		9
142	Exact asymptotics of distributed detection over adaptive networks. , 2015, , .		7
143	Adaptive regularized diffusion adaptation over multitask networks. , 2015, , .		11
144	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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145	Asynchronous Adaptation and Learning Over Networksâ€”Part II: Performance Analysis. IEEE Transactions on Signal Processing, 2015, 63, 827-842.	5.3	30
146	Asynchronous Adaptation and Learning Over Networksâ€”Part III: Comparison Analysis. IEEE Transactions on Signal Processing, 2015, 63, 843-858.	5.3	19
147	Dictionary Learning Over Distributed Models. IEEE Transactions on Signal Processing, 2015, 63, 1001-1016.	5.3	73
148	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
149	Distributed Clustering and Learning Over Networks. IEEE Transactions on Signal Processing, 2015, 63, 3285-3300.	5.3	84
150	Distributed Policy Evaluation Under Multiple Behavior Strategies. IEEE Transactions on Automatic Control, 2015, 60, 1260-1274.	5.7	46
151	Large deviations analysis of adaptive distributed detection. , 2014, , .		9
152	Diffusion LMS for multitask problems with overlapping hypothesis subspaces. , 2014, , .		31
153	Dictionary learning over large distributed models via dual-ADMM strategies. , 2014, , .		1
154	Robust distributed detection over adaptive diffusion networks. , 2014, , .		6
155	Online dictionary learning over distributed models. , 2014, , .		11
156	Diffusion LMS for clustered multitask networks. , 2014, , .		22
157	Adjustment of combination weights over adaptive diffusion networks. , 2014, , .		14
158	Diffusion Adaptation Over Networks. Academic Press Library in Signal Processing, 2014, 3, 323-453.	0.8	256
159	Distributed Decision-Making Over Adaptive Networks. IEEE Transactions on Signal Processing, 2014, 62, 1054-1069.	5.3	40
160	Estimation of Space-Time Varying Parameters Using a Diffusion LMS Algorithm. IEEE Transactions on Signal Processing, 2014, 62, 403-418.	5.3	43
161	Adaptive Penalty-Based Distributed Stochastic Convex Optimization. IEEE Transactions on Signal Processing, 2014, 62, 3924-3938.	5.3	80
162	Multitask Diffusion Adaptation Over Networks. IEEE Transactions on Signal Processing, 2014, 62, 4129-4144.	5.3	214

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163	Impact of Networked Cognition and Learning on Engineered Systems [Further Thoughts]. Proceedings of the IEEE, 2014, 102, 498-499.	21.3	0
164	Adaptive Networks. Proceedings of the IEEE, 2014, 102, 460-497.	21.3	441
165	Bio-Inspired Decentralized Radio Access Based on Swarming Mechanisms Over Adaptive Networks. IEEE Transactions on Signal Processing, 2013, 61, 3183-3197.	5.3	65
166	On distributed online classification in the midst of concept drifts. Neurocomputing, 2013, 112, 138-152.	5.9	20
167	Online learning and adaptation over networks: More information is not necessarily better. , 2013, , .		3
168	Modelling brain cortical connectivity using diffusion adaptation. , 2013, , .		4
169	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
170	Distributed Spectrum Estimation for Small Cell Networks Based on Sparse Diffusion Adaptation. IEEE Signal Processing Letters, 2013, 20, 1261-1265.	3.6	43
171	Post-translational regulation enables robust p53 regulation. BMC Systems Biology, 2013, 7, 83.	3.0	6
172	Introduction to the issue on adaptation and learning over complex networks. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 161-162.	10.8	3
173	Sparse Distributed Learning Based on Diffusion Adaptation. IEEE Transactions on Signal Processing, 2013, 61, 1419-1433.	5.3	179
174	On the effects of colluded statistical attacks in cooperative spectrum sensing. , 2013, , .		6
175	Adaptive stochastic convex optimization over networks. , 2013, , .		3
176	Distributed Pareto Optimization via Diffusion Strategies. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 205-220.	10.8	137
177	On the Influence of Informed Agents on Learning and Adaptation Over Networks. IEEE Transactions on Signal Processing, 2013, 61, 1339-1356.	5.3	30
178	Reputation design for adaptive networks with selfish agents. , 2013, , .		11
179	On the probability distribution of distributed optimization strategies. , 2013, , .		4
180	An optimal error nonlinearity for robust adaptation against impulsive noise. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
181	A strategy for adjusting combination weights over adaptive networks. , 2013, , .		16
182	Mitigation of clipping in sensors. , 2013, , .		6
183	Cooperative off-policy prediction of Markov decision processes in adaptive networks. , 2013, , .		7
184	Attaining optimal batch performance via distributed processing over networks. , 2013, , .		5
185	Diffusion estimation over cooperative networks with missing data. , 2013, , .		5
186	Distributed spectrum sensing in the presence of selfish users. , 2013, , .		4
187	Diffusion LMS localization and tracking algorithm for wireless cellular networks. , 2013, , .		15
188	Distributed inference over regression and classification models. , 2013, , .		1
189	Adaptation and learning over complex networks [From the Guest Editors]. IEEE Signal Processing Magazine, 2013, 30, 14-15.	5.6	3
190	Mean-square analysis of continuous-time distributed estimation strategies. , 2012, , .		1
191	Continuous-time distributed estimation with asymmetric mixing. , 2012, , .		1
192	Single-link diffusion strategies over adaptive networks. , 2012, , .		25
193	Performance of diffusion adaptation for collaborative optimization. , 2012, , .		5
194	Learning over social networks via diffusion adaptation. , 2012, , .		45
195	Distributed throughput optimization over P2P mesh networks using diffusion adaptation. , 2012, , .		3
196	Combination weights for diffusion strategies with imperfect information exchange. , 2012, , .		6
197	Sparse diffusion LMS for distributed adaptive estimation. , 2012, , .		16
198	Effective information flow over mobile adaptive networks. , 2012, , .		2

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199	On the limiting behavior of distributed optimization strategies. , 2012, , .		24
200	Diffusion LMS for source and process estimation in sensor networks. , 2012, , .		9
201	On the generalization ability of distributed online learners. , 2012, , .		8
202	Adaptive decision-making over complex networks. , 2012, , .		6
203	Distributed pareto-optimal solutions via diffusion adaptation. , 2012, , .		14
204	An Algorithm to Compensate the Effects of Spurious PLL Tones in Spectrum Sensing Architectures. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 1093-1106.	5.4	2
205	Clock Jitter Compensation in High-Rate ADC Circuits. IEEE Transactions on Signal Processing, 2012, 60, 5738-5753.	5.3	62
206	Modeling bee swarming behavior through diffusion adaptation with asymmetric information sharing. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	34
207	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
208	Performance Limits for Distributed Estimation Over LMS Adaptive Networks. IEEE Transactions on Signal Processing, 2012, 60, 5107-5124.	5.3	112
209	Diffusion Strategies Outperform Consensus Strategies for Distributed Estimation Over Adaptive Networks. IEEE Transactions on Signal Processing, 2012, 60, 6217-6234.	5.3	344
210	Diffusion Adaptation Strategies for Distributed Optimization and Learning Over Networks. IEEE Transactions on Signal Processing, 2012, 60, 4289-4305.	5.3	489
211	Beam coordination via diffusion adaptation over array networks. , 2012, , .		10
212	Diffusion networks outperform consensus networks. , 2012, , .		8
213	Diffusion Adaptation Over Networks Under Imperfect Information Exchange and Non-Stationary Data. IEEE Transactions on Signal Processing, 2012, 60, 3460-3475.	5.3	141
214	Clustering via diffusion adaptation over networks. , 2012, , .		53
215	Using an adaptive gene network model for self-organizing multicellular behavior. , 2012, 2012, 5449-53.		3
216	Spatio-Temporal Diffusion Strategies for Estimation and Detection Over Networks. IEEE Transactions on Signal Processing, 2012, 60, 4017-4034.	5.3	22

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217	Adaptive Models for Gene Networks. PLoS ONE, 2012, 7, e31657.	2.5	10
218	Adaptive Networks with Noisy Links. , 2011, , .		9
219	Transient Analysis of Adaptive Affine Combinations. IEEE Transactions on Signal Processing, 2011, 59, 6227-6232.	5.3	7
220	A bio-inspired fast swarming algorithm for dynamic radio access. , 2011, , .		0
221	Probability distribution of steady-state errors and adaptation over networks. , 2011, , .		5
222	Analysis of Spatial and Incremental LMS Processing for Distributed Estimation. IEEE Transactions on Signal Processing, 2011, 59, 1465-1480.	5.3	165
223	Modeling Bird Flight Formations Using Diffusion Adaptation. IEEE Transactions on Signal Processing, 2011, 59, 2038-2051.	5.3	138
224	Distributed optimization via diffusion adaptation. , 2011, , .		10
225	Optimal combination rules for adaptation and learning over networks. , 2011, , .		40
226	Reducing spurious PLL tones in spectrum sensing architectures. , 2011, , .		1
227	Distributed Detection Over Adaptive Networks Using Diffusion Adaptation. IEEE Transactions on Signal Processing, 2011, 59, 1917-1932.	5.3	152
228	Mobile Adaptive Networks. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 649-664.	10.8	164
229	Optimal Spectral Feature Detection for Spectrum Sensing at Very Low SNR. IEEE Transactions on Communications, 2011, 59, 201-212.	7.8	57
230	On the effects of topology and node distribution on learning over complex adaptive networks. , 2011, , .		5
231	An Adaptive Diffusion Augmented CLMS Algorithm for Distributed Filtering of Noncircular Complex Signals. IEEE Signal Processing Letters, 2011, 18, 659-662.	3.6	46
232	Clock jitter estimation in noise. , 2011, , .		6
233	Cooperative prey herding based on diffusion adaptation. , 2011, , .		21
234	Continuous-time distributed estimation. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
235	Digital Suppression of Spurious PLL Tones in A/D Converters. IEEE Transactions on Signal Processing, 2011, 59, 5275-5288.	5.3	6
236	Collaborative learning of mixture models using diffusion adaptation. , 2011, , .		23
237	Honeybee swarming behavior using diffusion adaptation. , 2011, , .		7
238	Performance of Deconvolution Methods in Estimating CBOC-Modulated Signals. International Journal of Navigation and Observation, 2011, 2011, 1-15.	0.8	1
239	Bio-inspired cooperative optimization with application to bacteria motility. , 2011, , .		11
240	Frequency domain compensation of spurious sidebands in A/D circuits. , 2011, , .		1
241	Diffusion Bias-Compensated RLS Estimation Over Adaptive Networks. IEEE Transactions on Signal Processing, 2011, 59, 5212-5224.	5.3	86
242	Diffusion adaptation over networks of particles subject to Brownian fluctuations. , 2011, , .		2
243	Performance limits of LMS-based adaptive networks. , 2011, , .		7
244	Advertisement - Free Electronic Access to SP Publications. IEEE Signal Processing Letters, 2010, 17, 3-3.	3.6	2
245	Bacterial motility via diffusion adaptation. , 2010, , .		21
246	Distributed beamforming and mode selection based on instantaneous system throughput. , 2010, , .		1
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