

Ali H Sayed

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

388
papers

17,638
citations

62
h-index

125
g-index

436
ext. papers

22,009
ext. citations

4.4
avg, IF

7.47
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 388 | Dif-MAML: Decentralized Multi-Agent Meta-Learning. <i>IEEE Open Journal of Signal Processing</i> , 2022 , 1-1 | 1.2 | 2 |
| 387 | Decision-making algorithms for learning and adaptation with application to COVID-19 data.. <i>Signal Processing</i> , 2022 , 194, 108426 | 4.4 | 0 |
| 386 | Distributed Meta-Learning with Networked Agents 2021 , | | 1 |
| 385 | Second-Order Guarantees of Stochastic Gradient Descent in Non-Convex Optimization. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1 | 5.9 | |
| 384 | Multiagent Fully Decentralized Value Function Learning With Linear Convergence Rates. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1497-1512 | 5.9 | 4 |
| 383 | Decentralized Proximal Gradient Algorithms With Linear Convergence Rates. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2787-2794 | 5.9 | 17 |
| 382 | Belief Control Strategies for Interactions Over Weakly-Connected Graphs. <i>IEEE Open Journal of Signal Processing</i> , 2021 , 1-1 | 1.2 | |
| 381 | Frequency-Domain Diffusion Adaptation Over Networks. <i>IEEE Transactions on Signal Processing</i> , 2021 , 1-1 | 4.8 | 3 |
| 380 | Regularized Diffusion Adaptation via Conjugate Smoothing. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1 | 5.9 | |
| 379 | . <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 1257-1270 | 4.8 | 3 |
| 378 | Dual Consensus Proximal Algorithm for Multi-Agent Sharing Problems. <i>IEEE Transactions on Signal Processing</i> , 2021 , 1-1 | 4.8 | 2 |
| 377 | Decision Learning and Adaptation Over Multi-Task Networks. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 2873-2887 | 4.8 | 3 |
| 376 | . <i>IEEE Transactions on Information Theory</i> , 2021 , 67, 6053-6081 | 2.8 | 5 |
| 375 | Distributed Learning in Non-Convex EnvironmentsPart I: Agreement at a Linear Rate. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 1242-1256 | 4.8 | 9 |
| 374 | Revisiting correlation-based functional connectivity and its relationship with structural connectivity. <i>Network Neuroscience</i> , 2020 , 4, 1235-1251 | 5.6 | 16 |
| 373 | Walkman: A Communication-Efficient Random-Walk Algorithm for Decentralized Optimization. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 2513-2528 | 4.8 | 14 |
| 372 | Multitask Learning Over Graphs: An Approach for Distributed, Streaming Machine Learning. <i>IEEE Signal Processing Magazine</i> , 2020 , 37, 14-25 | 9.4 | 27 |

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|-----|--|-----|----|
| 371 | Diffusion LMS With Communication Delays: Stability and Performance Analysis. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 730-734 | 3.2 | 10 |
| 370 | . <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 1390-1408 | 4.8 | 3 |
| 369 | Adaptation and Learning Over Networks Under Subspace ConstraintsPart I: Stability Analysis. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 1346-1360 | 4.8 | 9 |
| 368 | Affine Combination of Diffusion Strategies Over Networks. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 2087-2104 | 4.8 | 13 |
| 367 | Online Distributed Learning Over Graphs With Multitask Graph-Filter Models. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2020 , 6, 63-77 | 2.8 | 8 |
| 366 | Convex Combination of Diffusion Strategies Over Networks. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2020 , 6, 714-731 | 2.8 | 4 |
| 365 | Second-order guarantees in centralized, federated and decentralized nonconvex optimization. <i>Communications in Information and Systems</i> , 2020 , 20, 353-388 | 0.8 | 3 |
| 364 | Linear convergence of primal-dual gradient methods and their performance in distributed optimization. <i>Automatica</i> , 2020 , 117, 109003 | 5.7 | 7 |
| 363 | . <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 587-613 | 2.8 | 5 |
| 362 | A Proximal Diffusion Strategy for Multiagent Optimization With Sparse Affine Constraints. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 4554-4567 | 5.9 | 8 |
| 361 | Learning Over Multitask GraphsPart II: Performance Analysis. <i>IEEE Open Journal of Signal Processing</i> , 2020 , 1, 46-63 | 1.2 | 2 |
| 360 | Adaptation and Learning Over Networks Under Subspace ConstraintsPart II: Performance Analysis. <i>IEEE Transactions on Signal Processing</i> , 2020 , 1-1 | 4.8 | 2 |
| 359 | Learning Over Multitask GraphsPart I: Stability Analysis. <i>IEEE Open Journal of Signal Processing</i> , 2020 , 1, 28-45 | 1.2 | 7 |
| 358 | . <i>IEEE Open Journal of Signal Processing</i> , 2020 , 1, 99-119 | 1.2 | 9 |
| 357 | Tracking Performance of Online Stochastic Learners. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1385-1389 | 3.2 | 0 |
| 356 | On the Influence of Bias-Correction on Distributed Stochastic Optimization. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 4352-4367 | 4.8 | 7 |
| 355 | Learning Graph Influence from Social Interactions 2020 , | | 2 |
| 354 | Dynamic Federated Learning 2020 , | | 8 |

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|-----|--|------|----|
| 353 | . <i>Proceedings of the IEEE</i> , 2020 , 108, 2049-2066 | 14.3 | 3 |
| 352 | Distributed Coupled Multiagent Stochastic Optimization. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 175-190 | 5.9 | 18 |
| 351 | Informing the Misinformed [President's Message]. <i>IEEE Signal Processing Magazine</i> , 2019 , 36, 5-7 | 9.4 | |
| 350 | Detection Under One-Bit Messaging Over Adaptive Networks. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 6519-6538 | 2.8 | 3 |
| 349 | Distributed Value-Function Learning with Linear Convergence Rates 2019 , | | 3 |
| 348 | Dynamite, Electricity, and Nobel's World [President's Message]. <i>IEEE Signal Processing Magazine</i> , 2019 , 36, 4-6 | 9.4 | |
| 347 | COVER: A Cluster-based Variance Reduced Method for Online Learning 2019 , | | 2 |
| 346 | Distributed Inference over Networks under Subspace Constraints 2019 , | | 5 |
| 345 | Diffusion Learning in Non-convex Environments 2019 , | | 6 |
| 344 | Team Policy Learning for Multi-agent Reinforcement Learning 2019 , | | 1 |
| 343 | Decentralized Decision-Making Over Multi-Task Networks. <i>Signal Processing</i> , 2019 , 160, 229-236 | 4.4 | 2 |
| 342 | . <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 622-646 | 2.8 | 13 |
| 341 | 2019 , | | 7 |
| 340 | People's Needs or People's Greed [President's Message]. <i>IEEE Signal Processing Magazine</i> , 2019 , 36, 6-8 | 9.4 | |
| 339 | 2019 , | | 4 |
| 338 | "Guilty of the Good We Did Not Do" [President's Message]. <i>IEEE Signal Processing Magazine</i> , 2019 , 36, 5-7 | 9.4 | |
| 337 | Dynamic Average Diffusion With Randomized Coordinate Updates. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2019 , 5, 753-767 | 2.8 | 2 |
| 336 | Enhanced Diffusion Learning Over Networks 2019 , | | 2 |

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| 335 | Exact Diffusion for Distributed Optimization and Learning Part I: Algorithm Development. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 708-723 | 4.8 | 57 |
| 334 | Stochastic Learning Under Random Reshuffling With Constant Step-Sizes. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 474-489 | 4.8 | 7 |
| 333 | Exact Diffusion for Distributed Optimization and Learning Part II: Convergence Analysis. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 724-739 | 4.8 | 36 |
| 332 | Supervised Learning Under Distributed Features. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 977-992 | 4.8 | 16 |
| 331 | A Regularization Framework for Learning Over Multitask Graphs. <i>IEEE Signal Processing Letters</i> , 2019 , 26, 297-301 | 3.2 | 12 |
| 330 | Variance-Reduced Stochastic Learning by Networked Agents Under Random Reshuffling. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 351-366 | 4.8 | 27 |
| 329 | Coordinate-Descent Diffusion Learning by Networked Agents. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 352-367 | 4.8 | 7 |
| 328 | Performance limits of stochastic sub-gradient learning, part II: Multi-agent case. <i>Signal Processing</i> , 2018 , 144, 253-264 | 4.4 | 10 |
| 327 | Asynchronous Adaptive Networks a 2018 , 3-68 | | 5 |
| 326 | Estimation and Detection Over Adaptive Networks 2018 , 69-106 | | 7 |
| 325 | Multitask Learning Over Adaptive Networks With Grouping Strategies 2018 , 107-129 | | 2 |
| 324 | Distributed Kalman and Particle Filtering 2018 , 169-207 | | 4 |
| 323 | Consistent Tomography over Diffusion Networks under the Low-Observability Regime 2018 , | | 3 |
| 322 | Decentralized Consensus Optimization With Asynchrony and Delays. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2018 , 4, 293-307 | 2.8 | 34 |
| 321 | AN EXPONENTIALLY CONVERGENT ALGORITHM FOR LEARNING UNDER DISTRIBUTED FEATURES 2018 , | | 2 |
| 320 | DIVIDE-AND-CONQUER TOMOGRAPHY FOR LARGE-SCALE NETWORKS 2018 , | | 3 |
| 319 | Galileo, Fourier, and Openness in Science [President@ Message]. <i>IEEE Signal Processing Magazine</i> , 2018 , 35, 6-8 | 9.4 | 1 |
| 318 | Intelligent Machines and Planet of the Apes [President@ Message]. <i>IEEE Signal Processing Magazine</i> , 2018 , 35, 5-7 | 9.4 | 1 |

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| 317 | Distributed Coupled Learning Over Adaptive Networks 2018 , | | 2 |
| 316 | Tomography of Adaptive Multi-Agent Networks Under Limited Observation 2018 , | | 2 |
| 315 | Science Is Blind [President@ Message]. <i>IEEE Signal Processing Magazine</i> , 2018 , 35, 4-6 | 9.4 | 2 |
| 314 | Twinkle, Twinkle, Little Star [President@ Message]. <i>IEEE Signal Processing Magazine</i> , 2018 , 35, 5-7 | 9.4 | |
| 313 | Decisions Under Binary Messaging Over Adaptive Networks 2018 , | | 1 |
| 312 | ONLINE GRAPH LEARNING FROM SEQUENTIAL DATA 2018 , | | 13 |
| 311 | Distributed Inference Over Multitask Graphs Under Smoothness 2018 , | | 5 |
| 310 | Multitask Diffusion Adaptation Over Networks With Common Latent Representations. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017 , 11, 563-579 | 7.5 | 34 |
| 309 | Distributed Learning for Stochastic Generalized Nash Equilibrium Problems. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 3893-3908 | 4.8 | 39 |
| 308 | . <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 3526-3537 | 4.8 | 11 |
| 307 | . <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 3909-3921 | 4.8 | 30 |
| 306 | Social Learning Over Weakly Connected Graphs. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2017 , 3, 222-238 | 2.8 | 25 |
| 305 | Belief control strategies for interactions over weak graphs 2017 , | | 1 |
| 304 | Diffusion LMS for Multitask Problems With Local Linear Equality Constraints. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 4979-4993 | 4.8 | 38 |
| 303 | Diffusion gradient boosting for networked learning 2017 , | | 4 |
| 302 | Decentralized exact coupled optimization 2017 , | | 6 |
| 301 | On the performance of random reshuffling in stochastic learning 2017 , | | 3 |
| 300 | Learning by networked agents under partial information 2017 , | | 3 |

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|-----|--|-----|--|----|
| 299 | 2017, | | | 6 |
| 298 | Excess-Risk of Distributed Stochastic Learners. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 5753-5785 | | | 13 |
| 297 | Stochastic gradient descent with finite samples sizes 2016, | | | 10 |
| 296 | Diffusion stochastic optimization with non-smooth regularizers 2016, | | | 12 |
| 295 | On the influence of momentum acceleration on online learning 2016, | | | 1 |
| 294 | . <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2016 , 2, 276-289 | 2.8 | | 9 |
| 293 | Information Exchange and Learning Dynamics Over Weakly Connected Adaptive Networks. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 1396-1414 | 2.8 | | 17 |
| 292 | Multitask Diffusion Adaptation Over Asynchronous Networks. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 2835-2850 | 4.8 | | 44 |
| 291 | . <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 2851-2865 | 4.8 | | 40 |
| 290 | Combinations of Adaptive Filters: Performance and convergence properties. <i>IEEE Signal Processing Magazine</i> , 2016 , 33, 120-140 | 9.4 | | 70 |
| 289 | Diffusion Adaptation over Multi-Agent Networks with Wireless Link Impairments. <i>IEEE Transactions on Mobile Computing</i> , 2016 , 15, 1362-1376 | 4.6 | | 18 |
| 288 | Decentralized consensus optimization with asynchrony and delays 2016, | | | 16 |
| 287 | Diffusion LMS over multitask networks with noisy links 2016, | | | 16 |
| 286 | Group diffusion LMS 2016, | | | 8 |
| 285 | 2016, | | | 1 |
| 284 | Diffusion social learning over weakly-connected graphs 2016, | | | 6 |
| 283 | Proximal Multitask Learning Over Networks With Sparsity-Inducing Coregularization. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 6329-6344 | 4.8 | | 42 |
| 282 | . <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 4710-4732 | 2.8 | | 24 |

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| 281 | . <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2015 , 1, 2-19 | 2.8 | 11 |
| 280 | Distributed Clustering and Learning Over Networks. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 3285-3300 | 4.8 | 71 |
| 279 | . <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 1260-1274 | 5.9 | 31 |
| 278 | Adaptive clustering for multitask diffusion networks 2015 , | | 8 |
| 277 | Learning by weakly-connected adaptive agents 2015 , | | 4 |
| 276 | Stability and Performance Limits of Adaptive Primal-Dual Networks. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 2888-2903 | 4.8 | 22 |
| 275 | Diffusion LMS Over Multitask Networks. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 2733-2748 | 4.8 | 133 |
| 274 | . <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 3518-3548 | 2.8 | 47 |
| 273 | On the Learning Behavior of Adaptive NetworksPart I: Transient Analysis. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 3487-3517 | 2.8 | 67 |
| 272 | Decentralized clustering over adaptive networks 2015 , | | 16 |
| 271 | Proximal diffusion for stochastic costs with non-differentiable regularizers 2015 , | | 9 |
| 270 | Exact asymptotics of distributed detection over adaptive networks 2015 , | | 7 |
| 269 | Adaptive regularized diffusion adaptation over multitask networks 2015 , | | 6 |
| 268 | Asynchronous Adaptation and Learning Over NetworksPart I: Modeling and Stability Analysis. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 811-826 | 4.8 | 48 |
| 267 | Asynchronous Adaptation and Learning Over NetworksPart II: Performance Analysis. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 827-842 | 4.8 | 25 |
| 266 | Asynchronous Adaptation and Learning Over NetworksPart III: Comparison Analysis. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 843-858 | 4.8 | 16 |
| 265 | Dictionary Learning Over Distributed Models. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 1001-1016 | 4.8 | 46 |
| 264 | Diffusion Adaptation Over Networks. <i>Academic Press Library in Signal Processing</i> , 2014 , 3, 323-453 | | 151 |

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| 263 | Distributed Decision-Making Over Adaptive Networks. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 1054-1069 | 4.8 | 31 |
| 262 | Estimation of Space-Time Varying Parameters Using a Diffusion LMS Algorithm. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 403-418 | 4.8 | 39 |
| 261 | Adaptive Penalty-Based Distributed Stochastic Convex Optimization. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 3924-3938 | 4.8 | 67 |
| 260 | Multitask Diffusion Adaptation Over Networks. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 4129-4144 | 4.8 | 166 |
| 259 | Impact of Networked Cognition and Learning on Engineered Systems [Further Thoughts]. <i>Proceedings of the IEEE</i> , 2014 , 102, 498-499 | 14.3 | |
| 258 | Adaptive Networks. <i>Proceedings of the IEEE</i> , 2014 , 102, 460-497 | 14.3 | 328 |
| 257 | Large deviations analysis of adaptive distributed detection 2014 , | | 7 |
| 256 | Diffusion LMS for multitask problems with overlapping hypothesis subspaces 2014 , | | 29 |
| 255 | Robust distributed detection over adaptive diffusion networks 2014 , | | 6 |
| 254 | Online dictionary learning over distributed models 2014 , | | 7 |
| 253 | Diffusion LMS for clustered multitask networks 2014 , | | 15 |
| 252 | Adjustment of combination weights over adaptive diffusion networks 2014 , | | 8 |
| 251 | Adaptation, Learning, and Optimization over Networks 2014 , | | 37 |
| 250 | Bio-Inspired Decentralized Radio Access Based on Swarming Mechanisms Over Adaptive Networks. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 3183-3197 | 4.8 | 45 |
| 249 | On distributed online classification in the midst of concept drifts. <i>Neurocomputing</i> , 2013 , 112, 138-152 | 5.4 | 17 |
| 248 | Online learning and adaptation over networks: More information is not necessarily better 2013 , | | 2 |
| 247 | Modelling brain cortical connectivity using diffusion adaptation 2013 , | | 3 |
| 246 | Diffusion strategies for adaptation and learning over networks: an examination of distributed strategies and network behavior. <i>IEEE Signal Processing Magazine</i> , 2013 , 30, 155-171 | 9.4 | 285 |

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| 245 | Distributed Spectrum Estimation for Small Cell Networks Based on Sparse Diffusion Adaptation. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 1261-1265 | 3.2 | 38 |
| 244 | Post-translational regulation enables robust p53 regulation. <i>BMC Systems Biology</i> , 2013 , 7, 83 | 3.5 | 6 |
| 243 | Introduction to the issue on adaptation and learning over complex networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2013 , 7, 161-162 | 7.5 | 1 |
| 242 | Sparse Distributed Learning Based on Diffusion Adaptation. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 1419-1433 | 4.8 | 143 |
| 241 | On the effects of colluded statistical attacks in cooperative spectrum sensing 2013 , | | 5 |
| 240 | Adaptive stochastic convex optimization over networks 2013 , | | 2 |
| 239 | Distributed Pareto Optimization via Diffusion Strategies. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2013 , 7, 205-220 | 7.5 | 114 |
| 238 | On the Influence of Informed Agents on Learning and Adaptation Over Networks. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 1339-1356 | 4.8 | 21 |
| 237 | Reputation design for adaptive networks with selfish agents 2013 , | | 7 |
| 236 | On the probability distribution of distributed optimization strategies 2013 , | | 3 |
| 235 | An optimal error nonlinearity for robust adaptation against impulsive noise 2013 , | | 5 |
| 234 | A strategy for adjusting combination weights over adaptive networks 2013 , | | 11 |
| 233 | Mitigation of clipping in sensors 2013 , | | 3 |
| 232 | Cooperative off-policy prediction of Markov decision processes in adaptive networks 2013 , | | 4 |
| 231 | Attaining optimal batch performance via distributed processing over networks 2013 , | | 4 |
| 230 | Diffusion estimation over cooperative networks with missing data 2013 , | | 3 |
| 229 | Distributed spectrum sensing in the presence of selfish users 2013 , | | 4 |
| 228 | Diffusion LMS localization and tracking algorithm for wireless cellular networks 2013 , | | 8 |

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| 227 | Distributed inference over regression and classification models 2013, | | 1 |
| 226 | . <i>IEEE Signal Processing Magazine</i> , 2013 , 30, 14-15 | 9.4 | 2 |
| 225 | Sparse diffusion LMS for distributed adaptive estimation 2012, | | 13 |
| 224 | Effective information flow over mobile adaptive networks 2012, | | 1 |
| 223 | On the limiting behavior of distributed optimization strategies 2012, | | 20 |
| 222 | Diffusion LMS for source and process estimation in sensor networks 2012, | | 9 |
| 221 | On the generalization ability of distributed online learners 2012, | | 6 |
| 220 | Adaptive decision-making over complex networks 2012, | | 5 |
| 219 | Distributed pareto-optimal solutions via diffusion adaptation 2012, | | 13 |
| 218 | An Algorithm to Compensate the Effects of Spurious PLL Tones in Spectrum Sensing Architectures. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012 , 59, 1093-1106 | 3.9 | 2 |
| 217 | Clock Jitter Compensation in High-Rate ADC Circuits. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 5738-5753 | 4.8 | 25 |
| 216 | Modeling bee swarming behavior through diffusion adaptation with asymmetric information sharing. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012, | 1.9 | 24 |
| 215 | . <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 3755-3769 | 4.8 | 15 |
| 214 | Performance Limits for Distributed Estimation Over LMS Adaptive Networks. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 5107-5124 | 4.8 | 94 |
| 213 | Diffusion Strategies Outperform Consensus Strategies for Distributed Estimation Over Adaptive Networks. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 6217-6234 | 4.8 | 272 |
| 212 | . <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 4289-4305 | 4.8 | 359 |
| 211 | Beam coordination via diffusion adaptation over array networks 2012, | | 7 |
| 210 | 2012, | | 6 |

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|-----|--|-----|-----|
| 209 | Diffusion Adaptation Over Networks Under Imperfect Information Exchange and Non-Stationary Data. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 3460-3475 | 4.8 | 105 |
| 208 | Clustering via diffusion adaptation over networks 2012 , | | 44 |
| 207 | Using an adaptive gene network model for self-organizing multicellular behavior. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 5449-53 | 0.9 | 1 |
| 206 | . <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 4017-4034 | 4.8 | 17 |
| 205 | Adaptive models for gene networks. <i>PLoS ONE</i> , 2012 , 7, e31657 | 3.7 | 8 |
| 204 | Mean-square analysis of continuous-time distributed estimation strategies 2012 , | | 1 |
| 203 | Continuous-time distributed estimation with asymmetric mixing 2012 , | | 1 |
| 202 | Single-link diffusion strategies over adaptive networks 2012 , | | 16 |
| 201 | Performance of diffusion adaptation for collaborative optimization 2012 , | | 5 |
| 200 | Learning over social networks via diffusion adaptation 2012 , | | 19 |
| 199 | Distributed throughput optimization over P2P mesh networks using diffusion adaptation 2012 , | | 3 |
| 198 | Combination weights for diffusion strategies with imperfect information exchange 2012 , | | 4 |
| 197 | . <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 1465-1480 | 4.8 | 104 |
| 196 | Modeling Bird Flight Formations Using Diffusion Adaptation. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 2038-2051 | 4.8 | 102 |
| 195 | Distributed optimization via diffusion adaptation 2011 , | | 9 |
| 194 | Optimal combination rules for adaptation and learning over networks 2011 , | | 30 |
| 193 | . <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 1917-1932 | 4.8 | 122 |
| 192 | Mobile Adaptive Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2011 , 5, 649-664 | 7.5 | 119 |

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|-----|--|-----|----|
| 191 | Optimal Spectral Feature Detection for Spectrum Sensing at Very Low SNR. <i>IEEE Transactions on Communications</i> , 2011 , 59, 201-212 | 6.9 | 43 |
| 190 | . <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 6227-6232 | 4.8 | 5 |
| 189 | Probability distribution of steady-state errors and adaptation over networks 2011 , | | 5 |
| 188 | On the effects of topology and node distribution on learning over complex adaptive networks 2011 , | | 3 |
| 187 | An Adaptive Diffusion Augmented CLMS Algorithm for Distributed Filtering of Noncircular Complex Signals. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 659-662 | 3.2 | 36 |
| 186 | Clock jitter estimation in noise 2011 , | | 3 |
| 185 | Cooperative prey herding based on diffusion adaptation 2011 , | | 10 |
| 184 | Continuous-time distributed estimation 2011 , | | 2 |
| 183 | Digital Suppression of Spurious PLL Tones in A/D Converters. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 5275-5288 | 4.8 | 5 |
| 182 | Collaborative learning of mixture models using diffusion adaptation 2011 , | | 15 |
| 181 | Honeybee swarming behavior using diffusion adaptation 2011 , | | 5 |
| 180 | Performance of Deconvolution Methods in Estimating CBOC-Modulated Signals. <i>International Journal of Navigation and Observation</i> , 2011 , 2011, 1-15 | | 1 |
| 179 | Bio-inspired cooperative optimization with application to bacteria motility 2011 , | | 7 |
| 178 | Diffusion Bias-Compensated RLS Estimation Over Adaptive Networks. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 5212-5224 | 4.8 | 66 |
| 177 | Diffusion adaptation over networks of particles subject to Brownian fluctuations 2011 , | | 1 |
| 176 | Performance limits of LMS-based adaptive networks 2011 , | | 4 |
| 175 | Bacterial motility via diffusion adaptation 2010 , | | 15 |
| 174 | Reduction of the effects of spurious PLL tones on A/D converters 2010 , | | 2 |

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| 173 | Diffusion LMS with communication constraints 2010 , | | 12 |
| 172 | Tracking behavior of mobile adaptive networks 2010 , | | 10 |
| 171 | User Selection Methods for Multiuser Two-Way Relay Communications Using Space Division Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 2130-2136 | 9.6 | 30 |
| 170 | Distributed nonlinear Kalman filtering with applications to wireless localization 2010 , | | 28 |
| 169 | Distributed Estimation Over an Adaptive Incremental Network Based on the Affine Projection Algorithm. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 151-164 | 4.8 | 121 |
| 168 | Optimal Linear Fusion for Distributed Detection Via Semidefinite Programming. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 2431-2436 | 4.8 | 84 |
| 167 | Unbiased Model Combinations for Adaptive Filtering. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 4421-4427 | 4.8 | 5 |
| 166 | . <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 4050-4063 | 4.8 | 46 |
| 165 | . <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 4795-4810 | 4.8 | 225 |
| 164 | Cooperative Sensing via Sequential Detection. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 6266-6283 | 4.8 | 109 |
| 163 | Diffusion LMS Strategies for Distributed Estimation. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 1035-1048 | 4.8 | 769 |
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