

# Asuman Ã-zdaÄlar

## List of Publications by Year in descending order

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112  
papers

12,316  
citations

109321

35  
h-index

85541

71  
g-index

113  
all docs

113  
docs citations

113  
times ranked

5946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergence rate of block-coordinate maximization Burerâ€™Monteiro method for solving large SDPs. <i>Mathematical Programming</i> , 2022, 195, 243-281.	2.4	2
2	Community Inference From Partially Observed Graph Signals: Algorithms and Analysis. <i>IEEE Transactions on Signal Processing</i> , 2022, 70, 2136-2151.	5.3	4
3	Systemic credit freezes in financial lending networks. <i>Mathematics and Financial Economics</i> , 2021, 15, 185-232.	1.7	7
4	Why random reshuffling beats stochastic gradient descent. <i>Mathematical Programming</i> , 2021, 186, 49-84.	2.4	24
5	Strategic Form Games and Nash Equilibrium. , 2021, , 2204-2212.		0
6	Value of Information in Bayesian Routing Games. <i>Operations Research</i> , 2021, 69, 148-163.	1.9	22
7	Analysis and Interventions in Large Network Games. <i>Annual Review of Control, Robotics, and Autonomous Systems</i> , 2021, 4, 455-486.	11.8	10
8	Asynchronous Approximation of a Single Component of the Solution to a Linear System. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 975-986.	6.4	3
9	Randomness and permutations in coordinate descent methods. <i>Mathematical Programming</i> , 2020, 181, 349-376.	2.4	6
10	Blind Community Detection From Low-Rank Excitations of a Graph Filter. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 436-451.	5.3	27
11	Convergence Rate of $\mathcal{O}(1/k)$ for Optimistic Gradient and Extragradient Methods in Smooth Convex-Concave Saddle Point Problems. <i>SIAM Journal on Optimization</i> , 2020, 30, 3230-3251.	2.0	19
12	Robust Accelerated Gradient Methods for Smooth Strongly Convex Functions. <i>SIAM Journal on Optimization</i> , 2020, 30, 717-751.	2.0	20
13	Community Inference from Graph Signals with Hidden Nodes. , 2019, , .		5
14	A variational inequality framework for network games: Existence, uniqueness, convergence and sensitivity analysis. <i>Games and Economic Behavior</i> , 2019, 114, 47-82.	0.8	45
15	Interconnection and Memory in Linear Time-Invariant Systems. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 1890-1904.	5.7	0
16	Informational Braessâ€™ Paradox: The Effect of Information on Traffic Congestion. <i>Operations Research</i> , 2018, 66, 893-917.	1.9	75
17	Convergence Rate of Distributed ADMM Over Networks. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 5082-5095.	5.7	115
18	When Is a Network Epidemic Hard to Eliminate?. <i>Mathematics of Operations Research</i> , 2017, 42, 1-14.	1.3	20

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19	Microeconomic Origins of Macroeconomic Tail Risks. American Economic Review, 2017, 107, 54-108.	8.5	196
20	Privacy-constrained network formation. Games and Economic Behavior, 2017, 105, 255-275.	0.8	24
21	Competitive Rumor Spread in Social Networks. Performance Evaluation Review, 2017, 44, 7-14.	0.6	6
22	Preface to the Special Issue on Information and Decisions in Social and Economic Networks. Operations Research, 2016, 64, 561-563.	1.9	0
23	Competitive Targeted Advertising Over Networks. Operations Research, 2016, 64, 705-720.	1.9	108
24	Graph balancing for distributed subgradient methods over directed graphs. , 2015, , .		36
25	A globally convergent incremental Newton method. Mathematical Programming, 2015, 151, 283-313.	2.4	16
26	Iterative Auction Design for Tree Valuations. Operations Research, 2015, 63, 751-771.	1.9	17
27	Systemic Risk and Stability in Financial Networks. American Economic Review, 2015, 105, 564-608.	8.5	1,266
28	The value of storage in securing reliability and mitigating risk in energy systems. Energy Systems, 2015, 6, 129-152.	3.0	5
29	Broadcast-based distributed alternating direction method of multipliers. , 2014, , .		15
30	Message Passing Optimization of Harmonic Influence Centrality. IEEE Transactions on Control of Network Systems, 2014, 1, 109-120.	3.7	41
31	Convergence Study of Decentralized Min-Cost Subgraph Algorithms for Multicast in Coded Networks. IEEE Transactions on Information Theory, 2014, 60, 410-421.	2.4	13
32	Accelerated Dual Descent for Network Flow Optimization. IEEE Transactions on Automatic Control, 2014, 59, 905-920.	5.7	75
33	An $\mathcal{O}(1/k)$ Gradient Method for Network Resource Allocation Problems. IEEE Transactions on Control of Network Systems, 2014, 1, 64-73.	3.7	139
34	Dynamics of information exchange in endogenous social networks. Theoretical Economics, 2014, 9, 41-97.	0.8	113
35	Competitive equilibrium in electricity markets with heterogeneous users and price fluctuation penalty. , 2014, , .		9
36	A Distributed Newton Method for Network Utility Maximization: Algorithm. IEEE Transactions on Automatic Control, 2013, 58, 2162-2175.	5.7	167

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37	A Distributed Newton Method for Network Utility Maximizationâ€™Part II: Convergence. IEEE Transactions on Automatic Control, 2013, 58, 2176-2188.	5.7	50
38	Dynamics in near-potential games. Games and Economic Behavior, 2013, 82, 66-90.	0.8	58
39	Opinion Fluctuations and Disagreement in Social Networks. Mathematics of Operations Research, 2013, 38, 1-27.	1.3	326
40	Binary Opinion Dynamics with Stubborn Agents. ACM Transactions on Economics and Computation, 2013, 1, 1-30.	1.1	207
41	Strategic Form Games and Nash Equilibrium. , 2013, , 1-12.		0
42	On Learning With Finite Memory. IEEE Transactions on Information Theory, 2013, 59, 6859-6872.	2.4	30
43	On the $O(1/k)$ convergence of asynchronous distributed alternating Direction Method of Multipliers. , 2013, , .		209
44	<b>Call for Papers</b>â€™Special Issue of <i>Operations Research</i>: Information and Decisions in Social and Economic Networks. Operations Research, 2013, 61, 529-529.	1.9	0
45	Distributed Alternating Direction Method of Multipliers. , 2012, , .		224
46	A distributed newton method for dynamic Network Utility Maximization with delivery contracts. , 2012, , .		8
47	Optimal Pricing in Networks with Externalities. Operations Research, 2012, 60, 883-905.	1.9	323
48	The reliability value of storage in a volatile environment. , 2012, , .		2
49	<b>Call for Papers</b>â€™Special Issue of <i>Operations Research</i>: Information and Decisions in Social and Economic Networks. Operations Research, 2012, 60, 1565-1565.	1.9	0
50	The Network Origins of Aggregate Fluctuations. Econometrica, 2012, 80, 1977-2016.	4.2	1,100
51	Avoiding Interruptions â€™ A QoE Reliability Function for Streaming Media Applications. IEEE Journal on Selected Areas in Communications, 2011, 29, 1064-1074.	14.0	79
52	Distributed Subgradient Methods for Convex Optimization Over Random Networks. IEEE Transactions on Automatic Control, 2011, 56, 1291-1306.	5.7	250
53	Correlated equilibria in continuous games: Characterization and computation. Games and Economic Behavior, 2011, 71, 436-455.	0.8	12
54	Network Games: Theory, Models, and Dynamics. Synthesis Lectures on Communication Networks, 2011, 4, 1-159.	6.3	63

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55	Bayesian Learning in Social Networks. Review of Economic Studies, 2011, 78, 1201-1236.	5.4	556
56	Flows and Decompositions of Games: Harmonic and Potential Games. Mathematics of Operations Research, 2011, 36, 474-503.	1.3	110
57	Experimentation, Patents, and Innovation. American Economic Journal: Microeconomics, 2011, 3, 37-77.	1.2	28
58	Distributed multi-agent optimization with state-dependent communication. Mathematical Programming, 2011, 129, 255-284.	2.4	126
59	Structure of extreme correlated equilibria: a zero-sum example and its implications. International Journal of Game Theory, 2011, 40, 749-767.	0.5	1
60	Opinion Dynamics and Learning in Social Networks. Dynamic Games and Applications, 2011, 1, 3-49.	1.9	459
61	Stock repurchase with an adaptive reservation price: A study of the greedy policy. Operations Research Letters, 2011, 39, 22-27.	0.7	0
62	Opinion fluctuations and persistent disagreement in social networks. , 2011, , .		34
63	On dual convergence of the distributed Newton method for Network Utility Maximization. , 2011, , .		10
64	Accelerated dual descent for network optimization. , 2011, , .		25
65	On Resource Allocation in Fading Multiple-Access Channelsâ€“An Efficient Approximate Projection Approach. IEEE Transactions on Information Theory, 2010, 56, 4417-4437.	2.4	11
66	Opinion Dynamics and Learning in Social Networks. SSRN Electronic Journal, 2010, , .	0.4	17
67	A distributed Newton method for Network Utility Maximization. , 2010, , .		63
68	Access-network association policies for media streaming in heterogeneous environments. , 2010, , .		5
69	Spread of (mis)information in social networks. Games and Economic Behavior, 2010, 70, 194-227.	0.8	322
70	Convergence rate for consensus with delays. Journal of Global Optimization, 2010, 47, 437-456.	1.8	143
71	Optimal reverse carpooling over wireless networks - a distributed optimization approach. , 2010, , .		16
72	Avoiding interruptions - QoE trade-offs in block-coded streaming media applications. , 2010, , .		15

#	ARTICLE	IF	CITATIONS
73	Cooperative distributed multi-agent optimization. , 2009, , 340-386.		70
74	Coding and control for communication networks. Queueing Systems, 2009, 63, 195-216.	0.9	2
75	Subgradient Methods for Saddle-Point Problems. Journal of Optimization Theory and Applications, 2009, 142, 205-228.	1.5	288
76	Price and capacity competition. Games and Economic Behavior, 2009, 66, 1-26.	0.8	73
77	Approximate Primal Solutions and Rate Analysis for Dual Subgradient Methods. SIAM Journal on Optimization, 2009, 19, 1757-1780.	2.0	257
78	On Distributed Averaging Algorithms and Quantization Effects. IEEE Transactions on Automatic Control, 2009, 54, 2506-2517.	5.7	416
79	Distributed Subgradient Methods for Multi-Agent Optimization. IEEE Transactions on Automatic Control, 2009, 54, 48-61.	5.7	2,476
80	A geometric framework for nonconvex optimization duality using augmented lagrangian functions. Journal of Global Optimization, 2008, 40, 545-573.	1.8	24
81	Price competition with elastic traffic. Networks, 2008, 52, 141-155.	2.7	18
82	On the Delay and Throughput Gains of Coding in Unreliable Networks. IEEE Transactions on Information Theory, 2008, 54, 5511-5524.	2.4	119
83	The Price of Simplicity. IEEE Journal on Selected Areas in Communications, 2008, 26, 1269-1276.	14.0	77
84	Convergence analysis of distributed subgradient methods over random networks. , 2008, , .		32
85	Separable and low-rank continuous games. International Journal of Game Theory, 2008, 37, 475-504.	0.5	23
86	Rate and power allocation in fading multiple access channels. , 2008, , .		3
87	Dynamic rate allocation in fading multiple access channels. , 2008, , .		3
88	Imperfect randomized algorithms for the optimal control of wireless networks. , 2008, , .		4
89	On distributed averaging algorithms and quantization effects. , 2008, , .		28
90	Approximate dynamic programming using support vector regression. , 2008, , .		14

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91	Rate of Convergence for Consensus with Delays. , 2008, , .		19
92	Distributed subgradient methods and quantization effects. , 2008, , .		110
93	Information theory vs. queueing theory for resource allocation in multiple access channels. , 2008, , .		2
94	Computing correlated equilibria of polynomial games via adaptive discretization. , 2008, , .		1
95	Separation of Nonconvex Sets with General Augmenting Functions. Mathematics of Operations Research, 2008, 33, 587-605.	1.3	6
96	Local Indices for Degenerate Variational Inequalities. Mathematics of Operations Research, 2008, 33, 291-300.	1.3	7
97	Characterization and computation of correlated equilibria in infinite games. , 2007, , .		10
98	Achievable rate region of CSMA schedulers in wireless networks with primary interference constraints. , 2007, , .		31
99	Generalized Poincaré-Hopf Theorem for Compact Nonsmooth Regions. Mathematics of Operations Research, 2007, 32, 193-214.	1.3	30
100	Competition With Atomic Users. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	2
101	Partial results on social learning with observations from neighbors. , 2007, , .		0
102	Competition and Efficiency in Congested Markets. Mathematics of Operations Research, 2007, 32, 1-31.	1.3	185
103	Partially Optimal Routing. IEEE Journal on Selected Areas in Communications, 2007, 25, 1148-1160.	14.0	29
104	Competition in Parallel-Serial Networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 1180-1192.	14.0	44
105	Incentives and Pricing in Communications Networks. , 2007, , 571-592.		52
106	On the stability of P-matrices. Linear Algebra and Its Applications, 2007, 426, 22-32.	0.9	15
107	Enhanced Fritz John Conditions for Convex Programming. SIAM Journal on Optimization, 2006, 16, 766-797.	2.0	17
108	On Delay Performance Gains From Network Coding. , 2006, , .		147

#	ARTICLE	IF	CITATIONS
109	Paradoxes of Traffic Engineering with Partially Optimal Routing. , 2006, , .		2
110	The relation between pseudonormality and quasiregularity in constrained optimization. Optimization Methods and Software, 2004, 19, 493-506.	2.4	17
111	Spread of (Mis)Information in Social Networks. SSRN Electronic Journal, 0, , .	0.4	18
112	Graphon Games: A Statistical Framework for Network Games and Interventions. SSRN Electronic Journal, 0, , .	0.4	4