Vijay G Subramanian

List of Publications by Year
in descending order

76	1,190	687363	434195
papers	**citations**	13	31
		h-index	**g-index**

76	76	76	966
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Joint scheduling and resource allocation in uplink OFDM systems for broadband wireless access networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 226-234.	14.0	235
2	Downlink scheduling and resource allocation for OFDM systems. IEEE Transactions on Wireless Communications, 2009, 8, 288-296.	9.2	211
3	Broad-band fading channels: signal burstiness and capacity. IEEE Transactions on Information Theory, 2002, 48, 809-827.	2.4	80
4	Downlink Scheduling and Resource Allocation for OFDM Systems. , 2006, , .		57
5	Class and channel condition based weighted proportional fair scheduler. Teletraffic Science and Engineering, 2001, 4, 553-567.	0.4	50
6	Joint Scheduling and Resource Allocation in CDMA Systems. IEEE Transactions on Information Theory, 2010, 56, 2416-2432.	2.4	46
7	Incentivizing Sharing in Realtime D2D Streaming Networks: A Mean Field Game Perspective. IEEE/ACM Transactions on Networking, 2017, 25, 3-17.	3.8	45
8	Determining the expected variability of immune responses using the cyton model. Journal of Mathematical Biology, 2008, 56, 861-892.	1.9	38
9	Max-Min Fairness in 802.11 Mesh Networks. IEEE/ACM Transactions on Networking, 2012, 20, 756-769.	3.8	30
10	Accurate Learning or Fast Mixing? Dynamic Adaptability of Caching Algorithms. IEEE Journal on Selected Areas in Communications, 2018, 36, 1314-1330.	14.0	27
11	Delay performance of CSMA in networks with bounded degree conflict graphs. , 2011, , .		26
12	Capacity and reliability function for small peak signal constraints. IEEE Transactions on Information Theory, 2002, 48, 828-839.	2.4	25
13	Log-convexity of rate region in 802.11e WLANs. IEEE Communications Letters, 2010, 14, 57-59.	4.1	19
14	Incentivizing sharing in realtime D2D streaming networks: A mean field game perspective. , 2015, , .		19
15	On the impact of correlation between collaterally consanguineous cells on lymphocyte population dynamics. Journal of Mathematical Biology, 2009, 59, 255-285.	1.9	17
16	Information Cascades With Noise. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 239-251.	2.8	16
17	The impact of observation and action errors on informational cascades. , 2014, , .		14
18	The impact of unlicensed access on small-cell resource allocation. , 2016, , .		13

#	Article	IF	Citations
19	Draining time based scheduling algorithm. , 2007, , .		12
20	Joint Scheduling and Resource Allocation in Uplink OFDM Systems. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	11
21	Bandwidth optimization in hetnets with competing service providers. , 2015, , .		11
22	On a class of optimal rateless codes. , 2008, , .		10
23	Delay in Trade Networks. Operations Research, 2016, 64, 646-661.	1.9	10
24	The Impact of Unlicensed Access on Small-Cell Resource Allocation. IEEE Journal on Selected Areas in Communications, 2020, 38, 685-696.	14.0	10
25	Existence and uniqueness of fair rate allocations in lossy wireless networks. IEEE Transactions on Wireless Communications, 2009, 8, 3401-3406.	9.2	9
26	Mean Field Games in Nudge Systems for Societal Networks. ACM Transactions on Modeling and Performance Evaluation of Computing Systems, 2018, 3, 1-31.	0.9	9
27	Energy Coupon. Performance Evaluation Review, 2015, 43, 455-456.	0.6	9
28	Competitive Resource Allocation in HetNets: The Impact of Small-Cell Spectrum Constraints and Investment Costs. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 478-490.	7.9	8
29	Small-Scale Markets for a Bilateral Energy Sharing Economy. IEEE Transactions on Control of Network Systems, 2019, 6, 1026-1037.	3.7	8
30	Pricing, Bandwidth Allocation, and Service Competition in Heterogeneous Wireless Networks. IEEE/ACM Transactions on Networking, 2020, 28, 2299-2308.	3.8	8
31	The value of noise for informational cascades. , 2014, , .		7
32	Energy Coupon. , 2015, , .		7
33	Large Deviations of Max-Weight Scheduling Policies on Convex Rate Regions. Mathematics of Operations Research, 2010, 35, 881-910.	1.3	6
34	Large deviations of max-weight scheduling policies on convex rate regions. , 2008, , .		5
35	On the Rate Region of CSMA/CA WLANs. IEEE Transactions on Information Theory, 2013, 59, 3932-3938.	2.4	5
36	PHY modulation/rate control for fountain codes in 802.11a/g WLANs. Physical Communication, 2013, 9, 135-144.	2.1	5

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37	Impact of Community Structure on Cascades. , 2016, , .		5
38	The Value of Sharing Intermittent Spectrum. Management Science, 2020, 66, 5242-5264.	4.1	5
39	On competitive provisioning of cloud services. Performance Evaluation Review, 2014, 42, 30-32.	0.6	5
40	Scheduling and Resource Allocation in OFDMA Wireless Systems. Wireless Networks and Mobile Communications, 2010, , 131-163.	1.0	5
41	Spotting trendsetters: Inference for network games. , 2012, , .		4
42	On competitive provisioning of ad-supported cloud services. , 2014, , .		4
43	The impact of investment on small-cell resource allocation. , 2016, , .		4
44	Provisioning of ad-supported cloud services: The role of competition. Performance Evaluation, 2018, 120, 36-48.	1.2	4
45	Balanced Allocation on Graphs with Random Walk Based Sampling. , 2018, , .		4
46	Explaining Snapshots of Network Diffusions: Structural and Hardness Results. Lecture Notes in Computer Science, 2014, , 616-625.	1.3	3
47	Dynamic Games Among Teams with Delayed Intra-Team Information Sharing. Dynamic Games and Applications, 0, , 1.	1.9	3
48	Many-sources large deviations for max-weight scheduling. , 2008, , .		2
49	Searching and bargaining with middlemen. , 2013, , .		2
50	Incentive design for learning in user-recommendation systems with time-varying states. , 2015, , .		2
51	The impact of small-cell bandwidth requirements on strategic operators. , 2017, , .		2
52	Social learning with questions. , 2019, , .		2
53	Convergence Rate Analysis for Distributed Optimization with Localization. , 2019, , .		2
54	On the Role of Clustering in Personalized PageRank Estimation. ACM Transactions on Modeling and Performance Evaluation of Computing Systems, 2019, 4, 1-33.	0.9	2

#	Article	IF	Citations
55	Approximately optimal utility maximization. , 2009, , .		1
56	Realising max-min fairness in 802.11e mesh networks. , 2010, , .		1
57	Many-Sources Large Deviations for Max-Weight Scheduling. IEEE Transactions on Information Theory, 2011, 57, 2151-2168.	2.4	1
58	Learning from randomly arriving agents. , 2017, , .		1
59	Eigenvalues of LRU via a linear algebraic approach. Operations Research Letters, 2018, 46, 193-198.	0.7	1
60	Random Walk Based Sampling for Load Balancing in Multi-Server Systems. , 2019, , .		1
61	Random Walk Based Sampling for Load Balancing in Multi-Server Systems. Proceedings of the ACM on Measurement and Analysis of Computing Systems, 2019, 3, 1-44.	1.8	1
62	Local Non-Bayesian Social Learning with Stubborn Agents. , 2019, , .		1
63	Stable and Efficient Piece-Selection in Multiple Swarm BitTorrent-like Peer-to-Peer Networks. , 2020, , .		1
64	Mean Field Equilibria of Pricing Games in Internet Marketplaces. , 2016, , .		1
65	Mean Field Equilibria of Pricing Games in Internet Marketplaces. Performance Evaluation Review, 2016, 44, 387-388.	0.6	1
66	Spectrum Pooling with Competitive Service Providers. , 2021, , .		1
67	Utility fairness in 802.11-based wireless mesh networks. , 2010, , .		0
68	Quantifying the utility of imperfect reviews in stopping information cascades. , 2016, , .		0
69	Towards fast algorithms for estimating Personalized PageRank using commonly generated random walks. , 2016, , .		0
70	A Structural Result for Personalized PageRank and its Algorithmic Consequences. , 2019, , .		0
71	Local Non-Bayesian Social Learning with Stubborn Agents. , 2019, , .		0
72	Derandomized Asymmetrical Balanced Allocation. , 2019, , .		0

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73	Empirical Policy Evaluation With Supergraphs. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 641-651.	2.5	0
74	Scheduling and Resource Allocation in OFDMA Wireless Systems. Wireless Networks and Mobile Communications, 2010, , 131-163.	1.0	0
75	A Structural Result for Personalized PageRank and its Algorithmic Consequences. Performance Evaluation Review, 2019, 47, 39-40.	0.6	0
76	Random Walk Based Sampling for Load Balancing in Multi-Server Systems. Performance Evaluation Review, 2019, 47, 11-12.	0.6	0