

Esa Hyytia

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

1,629
citations

567247

15
h-index

395678

33
g-index

83
all docs

83
docs citations

83
times ranked

1095
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance degradation in parallel-server systems with shared resources and lack of coordination. Performance Evaluation, 2022, 153, 102260.	1.2	0
2	Routing with too much information?. Queueing Systems, 2022, 100, 441-443.	0.9	3
3	Toward Designing Cost-Optimal Policies to Utilize IaaS Clouds with Online Learning. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 501-514.	5.6	5
4	On value functions for FCFS queues with batch arrivals and general cost structures. Performance Evaluation, 2020, 138, 102083.	1.2	5
5	Performance Degradation in Parallel-Server Systems with Shared Resources. , 2020, , .		1
6	STAR and RATS: Multi-level Dispatching Policies. , 2020, , .		2
7	Admission Control to M/G/1 Subject to General Class-Specific Admission and Rejection Costs. , 2020, , .		0
8	Controlling Queues with Constant Interarrival Times. , 2019, , .		1
9	Simulation and performance evaluation of mission critical dispatching systems. Performance Evaluation, 2019, 135, 102038.	1.2	5
10	Last in line. Operations Research Letters, 2019, 47, 140-145.	0.7	1
11	A little redundancy goes a long way: Convexity in redundancy systems. Performance Evaluation, 2019, 131, 22-42.	1.2	12
12	Dispatching Discrete-Size Jobs with Multiple Deadlines to Parallel Heterogeneous Servers. EAI/Springer Innovations in Communication and Computing, 2019, , 29-46.	1.1	0
13	Practical opportunistic content dissemination performance in dense network segments. Computer Communications, 2018, 123, 65-80.	5.1	2
14	Evaluating Rare Events in Mission Critical Dispatching Systems. , 2018, , .		0
15	Applying Reinforcement Learning to Basic Routing Problem. Lecture Notes in Computer Science, 2018, , 238-249.	1.3	2
16	Dynamic Control of Running Servers. Lecture Notes in Computer Science, 2018, , 127-141.	1.3	3
17	Dispatching fixed-sized jobs with multiple deadlines to parallel heterogeneous servers. Performance Evaluation, 2017, 114, 32-44.	1.2	5
18	On the sensitivity of geo-based content sharing to location errors. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Scheduling for efficiency and fairness in systems with redundancy. Performance Evaluation, 2017, 116, 1-25.	1.2	22
20	Beyond Shortest Queue Routing with Heterogeneous Servers and General Cost Functions. , 2017, , .		2
21	Value (Generating) Functions for the MX/G/1 Queue. , 2017, , .		5
22	Towards Designing Cost-Optimal Policies to Utilize IaaS Clouds with Online Learning. , 2017, , .		3
23	Dispatching fixed-sized jobs with multiple deadlines to parallel heterogeneous servers. , 2017, , .		0
24	Queueing with redundant requests: exact analysis. Queueing Systems, 2016, 83, 227-259.	0.9	85
25	Meeting Soft Deadlines in Single- and Multi-server Systems. , 2016, , .		5
26	Opportunistic content dissemination performance in dense network segments. , 2016, , .		0
27	Routing jobs with deadlines to heterogeneous parallel servers. Operations Research Letters, 2016, 44, 507-513.	0.7	12
28	Search in digital pockets: retrieving remote content in mobile opportunistic networks. IEEE Wireless Communications, 2016, 23, 10-18.	9.0	2
29	On Round-Robin routing with FCFS and LCFS scheduling. Performance Evaluation, 2016, 97, 83-103.	1.2	18
30	On search and content availability in opportunistic networks. Computer Communications, 2016, 73, 118-131.	5.1	9
31	Fairness through Linearly Increasing Holding Costs in Systems of Parallel Servers with Setup Delays. , 2015, , .		2
32	Offload (only) the right jobs: Robust offloading using the Markov decision processes. , 2015, , .		24
33	Analysis of hop limit in opportunistic networks by static and time-aggregated graphs. , 2015, , .		9
34	Reducing Latency via Redundant Requests. , 2015, , .		59
35	Reducing Latency via Redundant Requests. Performance Evaluation Review, 2015, 43, 347-360.	0.6	65
36	Two Hops or More. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
37	Energy-aware job assignment in server farms with setup delays under LCFS and PS. , 2014, , .		13
38	Searching a needle in (linear) opportunistic networks. , 2014, , .		5
39	Efficient neighbor discovery in mobile opportunistic networking using mobility awareness. , 2014, , .		17
40	Value driven load balancing. Performance Evaluation, 2014, 79, 306-327.	1.2	6
41	Task assignment in a heterogeneous server farm with switching delays and general energy-aware cost structure. Performance Evaluation, 2014, 75-76, 17-35.	1.2	30
42	Round-Robin Routing Policy: Value Functions and Mean Performance with Job- and Server-specific Costs. , 2014, , .		4
43	Criticality of large delay tolerant networks via directed continuum percolation in space-time. , 2013, , .		6
44	Lookahead actions in dispatching to parallel queues. Performance Evaluation, 2013, 70, 859-872.	1.2	16
45	Criticality condition for information floating with random walk of nodes. Performance Evaluation, 2013, 70, 114-123.	1.2	9
46	Characterizing content sharing properties for mobile users in open city squares. , 2013, , .		25
47	To split or not to split: Selecting the right server with batch arrivals. Operations Research Letters, 2013, 41, 325-330.	0.7	7
48	Evaluating (Geo) content sharing with the ONE simulator. , 2013, , .		12
49	Seeker-assisted information search in mobile clouds. , 2013, , .		4
50	Optimal Routing of Fixed Size Jobs to Two Parallel Servers. Infor, 2013, 51, 215-224.	0.6	5
51	Minimizing slowdown in heterogeneous size-aware dispatching systems. , 2012, , .		14
52	On the Value Function of the M/G/1 FCFS and LCFS Queues. Journal of Applied Probability, 2012, 49, 1052-1071.	0.7	8
53	Minimizing slowdown in heterogeneous size-aware dispatching systems. Performance Evaluation Review, 2012, 40, 29-40.	0.6	20
54	On the Value Function of the M/G/1 FCFS and LCFS Queues. Journal of Applied Probability, 2012, 49, 1052-1071.	0.7	3

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55	Continuum Percolation Threshold for Permeable Aligned Cylinders and Opportunistic Networking. IEEE Communications Letters, 2012, 16, 1064-1067.	4.1	8
56	Non-myopic vehicle and route selection in dynamic DARP with travel time and workload objectives. Computers and Operations Research, 2012, 39, 3021-3030.	4.0	48
57	Size- and state-aware dispatching problem with queue-specific job sizes. European Journal of Operational Research, 2012, 217, 357-370.	5.7	44
58	Floating content: Information sharing in urban areas. , 2011, , .		92
59	Energy-aware dispatching in parallel queues with on-off energy consumption. , 2011, , .		17
60	Floating content for probabilistic information sharing. Pervasive and Mobile Computing, 2011, 7, 671-689.	3.3	32
61	BeachNet. , 2011, , .		4
62	M/M/1-PS queue and size-aware task assignment. Performance Evaluation, 2011, 68, 1136-1148.	1.2	24
63	Why urban mass demand responsive transport?. , 2011, , .		7
64	When does content float? Characterizing availability of anchored information in opportunistic content sharing. , 2011, , .		71
65	A stochastic model for a vehicle in a dial-a-ride system. Operations Research Letters, 2010, 38, 432-435.	0.7	11
66	Key escrow schemes with sliding window for privacy-aware anomaly detection system. , 2010, , .		0
67	Simulation of a large scale dynamic pickup and delivery problem. , 2010, , .		9
68	Congestive Collapse and Its Avoidance in a Dynamic Dial-a-Ride System with Time Windows. Lecture Notes in Computer Science, 2010, , 397-408.	1.3	2
69	On the optimality of field-line routing in massively dense wireless multi-hop networks. Performance Evaluation, 2009, 66, 158-172.	1.2	7
70	Detection and Tracking of Skype by Exploiting Cross Layer Information in a Live 3G Network. Lecture Notes in Computer Science, 2009, , 93-100.	1.3	5
71	Near-Optimal Load Balancing in Dense Wireless Multi-Hop Networks. , 2008, , .		4
72	On optimality of single-path routes in massively dense wireless multi-hop networks. , 2007, , .		11

#	ARTICLE	IF	CITATIONS
73	On Traffic Load Distribution and Load Balancing in Dense Wireless Multihop Networks. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	35
74	Optimal Degree Distribution for LT Codes with Small Message Length. , 2007, , .		58
75	Random waypoint mobility model in cellular networks. Wireless Networks, 2007, 13, 177-188.	3.0	157
76	Spatial node distribution of the random waypoint mobility model with applications. IEEE Transactions on Mobile Computing, 2006, 5, 680-694.	5.8	283
77	A Markovian Waypoint Mobility Model with Application to Hotspot Modeling. , 2006, , .		27
78	Random waypoint model in n-dimensional space. Operations Research Letters, 2005, 33, 567-571.	0.7	47
79	Adaptive importance sampling in routing and wavelength assignment problem. European Transactions on Telecommunications, 2002, 13, 331-339.	1.2	1
80	On load balancing in a dense wireless multihop network. , 0, , .		19
81	Traffic Matrix Estimation in a Dense Multihop Wireless Network. , 0, , .		0
82	A model for TCP congestion control capturing the correlations in times between the congestion events. , 0, , .		0