

Petar Momcilovic

List of Publications by Year in descending order

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32
papers

910
citations

687363

13
h-index

526287

27
g-index

32
all docs

32
docs citations

32
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-Driven Appointment-Scheduling Under Uncertainty: The Case of an Infusion Unit in a Cancer Center. <i>Management Science</i> , 2020, 66, 243-270.	4.1	28
2	A note on a limit interchange for many-server queues. <i>Operations Research Letters</i> , 2020, 48, 147-151.	0.7	1
3	Extended vertical lists for temporal pattern mining from multivariate time series. <i>Expert Systems</i> , 2019, 36, e12448.	4.5	6
4	Comparing clinical judgment with the MySurgeryRisk algorithm for preoperative risk assessment: A pilot usability study. <i>Surgery</i> , 2019, 165, 1035-1045.	1.9	59
5	MySurgeryRisk: Development and Validation of a Machine-learning Risk Algorithm for Major Complications and Death After Surgery. <i>Annals of Surgery</i> , 2019, 269, 652-662.	4.2	197
6	Time-varying tandem queues with blocking: modeling, analysis, and operational insights via fluid models with reflection. <i>Queueing Systems</i> , 2018, 89, 15-47.	0.9	8
7	An Analysis of a Large-Scale Machine Repair Model. <i>Stochastic Systems</i> , 2018, 8, 91-125.	1.1	4
8	Time-varying many-server finite-queues in tandem: Comparing blocking mechanisms via fluid models. <i>Operations Research Letters</i> , 2018, 46, 492-499.	0.7	2
9	QED limits for many-server systems under a priority policy. <i>Queueing Systems</i> , 2018, 90, 125-159.	0.9	0
10	Personalized queues: the customer view, via a fluid model of serving least-patient first. <i>Queueing Systems</i> , 2017, 87, 23-53.	0.9	9
11	The Pattern of Longitudinal Change in Serum Creatinine and 90-Day Mortality After Major Surgery. <i>Annals of Surgery</i> , 2016, 263, 1219-1227.	4.2	48
12	Preoperative assessment of the risk for multiple complications after surgery. <i>Surgery</i> , 2016, 160, 463-472.	1.9	13
13	Application of Machine Learning Techniques to High-Dimensional Clinical Data to Forecast Postoperative Complications. <i>PLoS ONE</i> , 2016, 11, e0155705.	2.5	134
14	On the departure process of the linear loss network. <i>Queueing Systems</i> , 2014, 78, 155-187.	0.9	2
15	Queues with Many Servers and Impatient Customers. <i>Mathematics of Operations Research</i> , 2012, 37, 41-65.	1.3	89
16	On Fair Routing from Emergency Departments to Hospital Wards: QED Queues with Heterogeneous Servers. <i>Management Science</i> , 2012, 58, 1273-1291.	4.1	82
17	On a critical regime for linear finite-buffer networks. , 2012, , .		1
18	On Scalability of Routing Tables in Dense Flat-Label Wireless Networks. <i>IEEE Transactions on Information Theory</i> , 2011, 57, 4302-4314.	2.4	0

#	ARTICLE	IF	CITATIONS
19	On Effectiveness of Application-Layer Coding. IEEE Transactions on Information Theory, 2011, 57, 6673-6691.	2.4	8
20	Linear loss networks. Queueing Systems, 2011, 68, 111-131.	0.9	7
21	On throughput in linear wireless networks. , 2008, , .		9
22	Queues with Many Servers: The Virtual Waiting-Time Process in the QED Regime. Mathematics of Operations Research, 2008, 33, 561-586.	1.3	34
23	Steady-state analysis of a multiserver queue in the Halfin-Whitt regime. Advances in Applied Probability, 2008, 40, 548-577.	0.7	12
24	On throughput in stochastic linear loss networks. Performance Evaluation Review, 2008, 36, 125-127.	0.6	1
25	Steady-state analysis of a multiserver queue in the Halfin-Whitt regime. Advances in Applied Probability, 2008, 40, 548-577.	0.7	27
26	Scalability of Wireless Networks. IEEE/ACM Transactions on Networking, 2007, 15, 295-308.	3.8	21
27	DNA-Based Computation Times. Lecture Notes in Computer Science, 2005, , 14-23.	1.3	12
28	Reduced Load Equivalence under Subexponentiality. Queueing Systems, 2004, 46, 97-112.	0.9	18
29	Heavy Traffic Limits for Queues with Many Deterministic Servers. Queueing Systems, 2004, 47, 53-69.	0.9	52
30	Large Deviations of Square Root Insensitive Random Sums. Mathematics of Operations Research, 2004, 29, 398-406.	1.3	25
31	Self assembly times in DNA-based computation. Performance Evaluation Review, 2004, 32, 35-37.	0.6	1
32	Appointment-driven service systems with many servers. Queueing Systems, 0, , 1.	0.9	0