# Petar Momcilovic

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10500107/publications.pdf

Version: 2024-02-01

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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 | MySurgeryRisk: Development and Validation of a Machine-learning Risk Algorithm for Major Complications and Death After Surgery. Annals of Surgery, 2019, 269, 652-662. | 4.2 | 197 |
| 2 | Application of Machine Learning Techniques to High-Dimensional Clinical Data to Forecast Postoperative Complications. PLoS ONE, 2016, 11, e0155705. | 2.5 | 134 |
| 3 | Queues with Many Servers and Impatient Customers. Mathematics of Operations Research, 2012, 37, 41-65. | 1.3 | 89 |
| 4 | On Fair Routing from Emergency Departments to Hospital Wards: QED Queues with Heterogeneous Servers. Management Science, 2012, 58, 1273-1291. | 4.1 | 82 |
| 5 | Comparing clinical judgment with the MySurgeryRisk algorithm for preoperative risk assessment: A pilot usability study. Surgery, 2019, 165, 1035-1045. | 1.9 | 59 |
| 6 | Heavy Traffic Limits for Queues with Many Deterministic Servers. Queueing Systems, 2004, 47, 53-69. | 0.9 | 52 |
| 7 | The Pattern of Longitudinal Change in Serum Creatinine and 90-Day Mortality After Major Surgery. Annals of Surgery, 2016, 263, 1219-1227. | 4.2 | 48 |
| 8 | Queues with Many Servers: The Virtual Waiting-Time Process in the QED Regime. Mathematics of Operations Research, 2008, 33, 561-586. | 1.3 | 34 |
| 9 | Data-Driven Appointment-Scheduling Under Uncertainty: The Case of an Infusion Unit in a Cancer Center. Management Science, 2020, 66, 243-270. | 4.1 | 28 |
| 10 | Steady-state analysis of a multiserver queue in the Halfin-Whitt regime. Advances in Applied Probability, 2008, 40, 548-577. | 0.7 | 27 |
| 11 | Large Deviations of Square Root Insensitive Random Sums. Mathematics of Operations Research, 2004, 29, 398-406. | 1.3 | 25 |
| 12 | Scalability of Wireless Networks. IEEE/ACM Transactions on Networking, 2007, 15, 295-308. | 3.8 | 21 |
| 13 | Reduced Load Equivalence under Subexponentiality. Queueing Systems, 2004, 46, 97-112. | 0.9 | 18 |
| 14 | Preoperative assessment of the risk for multiple complications after surgery. Surgery, 2016, 160, 463-472. | 1.9 | 13 |
| 15 | DNA-Based Computation Times. Lecture Notes in Computer Science, 2005, , 14-23. | 1.3 | 12 |
| 16 | Steady-state analysis of a multiserver queue in the Halfin-Whitt regime. Advances in Applied Probability, 2008, 40, 548-577. | 0.7 | 12 |
| 17 | On throughput in linear wireless networks. , 2008, , . | | 9 |
| 18 | Personalized queues: the customer view, via a fluid model of serving least-patient first. Queueing Systems, 2017, 87, 23-53. | 0.9 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | On Effectiveness of Application-Layer Coding. IEEE Transactions on Information Theory, 2011, 57, 6673-6691. | 2.4 | 8 |
| 20 | Time-varying tandem queues with blocking: modeling, analysis, and operational insights via fluid models with reflection. Queueing Systems, 2018, 89, 15-47. | 0.9 | 8 |
| 21 | Linear loss networks. Queueing Systems, 2011, 68, 111-131. | 0.9 | 7 |
| 22 | Extended vertical lists for temporal pattern mining from multivariate time series. Expert Systems, 2019, 36, e12448. | 4.5 | 6 |
| 23 | An Analysis of a Large-Scale Machine Repair Model. Stochastic Systems, 2018, 8, 91-125. | 1.1 | 4 |
| 24 | On the departure process of the linear loss network. Queueing Systems, 2014, 78, 155-187. | 0.9 | 2 |
| 25 | Time-varying many-server finite-queues in tandem: Comparing blocking mechanisms via fluid models. Operations Research Letters, 2018, 46, 492-499. | 0.7 | 2 |
| 26 | On a critical regime for linear finite-buffer networks. , 2012, , . | | 1 |
| 27 | A note on a limit interchange for many-server queues. Operations Research Letters, 2020, 48, 147-151. | 0.7 | 1 |
| 28 | Self assembly times in DNA-based computation. Performance Evaluation Review, 2004, 32, 35-37. | 0.6 | 1 |
| 29 | On throughput in stochastic linear loss networks. Performance Evaluation Review, 2008, 36, 125-127. | 0.6 | 1 |
| 30 | On Scalability of Routing Tables in Dense Flat-Label Wireless Networks. IEEE Transactions on Information Theory, 2011, 57, 4302-4314. | 2.4 | 0 |
| 31 | QED limits for many-server systems under a priority policy. Queueing Systems, 2018, 90, 125-159. | 0.9 | 0 |
| 32 | Appointment-driven service systems with many servers. Queueing Systems, 0, , 1. | 0.9 | 0 |