

Sergey A Dudin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6912280/publications.pdf>

Version: 2024-02-01

66
papers

546
citations

687363

13
h-index

752698

20
g-index

66
all docs

66
docs citations

66
times ranked

200
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Queueing system with impatient heterogeneous customers as a model of call center. Applied Mathematical Modelling, 2019, 65, 676-695. | 4.2 | 47 |
| 2 | Retrial multi-server queueing system with PHF service time distribution as a model of a channel with unreliable transmission of information. Applied Mathematical Modelling, 2019, 65, 676-695. | 4.2 | 40 |
| 3 | Retrial queueing system with Markovian arrival flow and phase-type service time distribution. Computers and Industrial Engineering, 2013, 66, 360-373. | 6.3 | 31 |
| 4 | Tandem queueing system with infinite and finite intermediate buffers and generalized phase-type service time distribution. European Journal of Operational Research, 2014, 235, 170-179. | 5.7 | 27 |
| 5 | Analysis of a retrial queue with group service of impatient customers. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2591-2599. | 4.9 | 22 |
| 6 | Tandem queueing system with impatient customers as a model of call center with Interactive Voice Response. Performance Evaluation, 2013, 70, 440-453. | 1.2 | 20 |
| 7 | Hysteresis control by the number of active servers in queueing system with priority service. Performance Evaluation, 2016, 101, 20-33. | 1.2 | 19 |
| 8 | The queue with flows of customers as a model for traffic control in telecommunication networks. Performance Evaluation, 2009, 66, 564-579. | 1.2 | 18 |
| 9 | Analysis of an $M MAP/PH(1, 2)/N$ queueing system operating in a random environment. International Journal of Applied Mathematics and Computer Science, 2014, 24, 485-501. | 1.5 | 17 |
| 10 | Priority tandem queueing model with admission control. Computers and Industrial Engineering, 2011, 61, 131-140. | 6.3 | 16 |
| 11 | Call center operation model as a $MAP/PH/N/R^N$ system with impatient customers. Problems of Information Transmission, 2011, 47, 364-377. | 0.5 | 15 |
| 12 | $MMAP M N$ queueing system with impatient heterogeneous customers as a model of a contact center. Computers and Operations Research, 2013, 40, 1790-1803. | 4.0 | 15 |
| 13 | Priority retrial queueing model operating in random environment with varying number and reservation of servers. Applied Mathematics and Computation, 2015, 269, 674-690. | 2.2 | 14 |
| 14 | Effective algorithm for computation of the stationary distribution of multi-dimensional level-dependent Markov chains with upper block-Hessenberg structure of the generator. Journal of Computational and Applied Mathematics, 2020, 366, 112425. | 2.0 | 13 |
| 15 | Multi-server queueing system with a generalized phase-type service time distribution as a model of call center with a call-back option. Annals of Operations Research, 2016, 239, 401-428. | 4.1 | 12 |
| 16 | Analysis of a semi-open queueing network with Markovian arrival process. Performance Evaluation, 2018, 120, 1-19. | 1.2 | 12 |
| 17 | Analysis of queueing model with processor sharing discipline and customers impatience. Operations Research Perspectives, 2018, 5, 245-255. | 2.1 | 12 |
| 18 | Mathematical Models for the Operation of a Cell With Bandwidth Sharing and Moving Users. IEEE Transactions on Wireless Communications, 2020, 19, 744-755. | 9.2 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Queueing System $MAP/M/N/\infty/K$ Operating in Random Environment as a Model of Call Center. Communications in Computer and Information Science, 2013, , 83-92. | 0.5 | 6 |
| 38 | Queueing System $MAP/M/N$ as a Model of Call Center with Call-Back Option. Lecture Notes in Computer Science, 2012, , 1-15. | 1.3 | 5 |
| 39 | Performance evaluation of a wireless sensor node with energy harvesting and varying conditions of operation. , 2017, , . | | 4 |
| 40 | Analysis of Multi-Server Queue With Spatial Generation and Location-Dependent Service Rate of Customers as a Cell Operation Model. IEEE Transactions on Communications, 2017, , 1-1. | 7.8 | 4 |
| 41 | The $MAP + MAP/PH/1/N$ queueing system with single and batch arrivals of customers. Automation and Remote Control, 2009, 70, 872-884. | 0.8 | 3 |
| 42 | A multi-server queueing model with retrial connection arrivals as a model for optimisation of the traffic control. International Journal of Systems Science, 2012, 43, 1555-1567. | 5.5 | 3 |
| 43 | Help desk center operating model as a two-phase queueing system. Problems of Information Transmission, 2013, 49, 58-72. | 0.5 | 3 |
| 44 | Analysis of a Semi-Open Queueing Network with a State Dependent Marked Markovian Arrival Process, Customers Retrials and Impatience. Mathematics, 2019, 7, 715. | 2.2 | 3 |
| 45 | Analysis of a Wireless Sensor Node with Varying Rates of Energy Harvesting and Consumption. Lecture Notes in Computer Science, 2017, , 172-182. | 1.3 | 3 |
| 46 | The servicing system $MAP(PH)+MAP/PH/N/R$ as a model of optimizing an HTTP server with blockings. Automation and Remote Control, 2010, 71, 28-38. | 0.8 | 2 |
| 47 | Multi-threshold control by a single-server queueing model with a service rate depending on the amount of harvested energy. Performance Evaluation, 2018, 127-128, 1-20. | 1.2 | 2 |
| 48 | Queueing Network with Moving Servers as a Model of Car Sharing Systems. Mathematics, 2019, 7, 825. | 2.2 | 2 |
| 49 | Analysis of Multi-Server Queue with Self-Sustained Servers. Mathematics, 2021, 9, 2134. | 2.2 | 2 |
| 50 | Socio-behavioral Scheduling of Time-Frequency Resources for Modern Mobile Operators. Communications in Computer and Information Science, 2013, , 69-82. | 0.5 | 2 |
| 51 | Queueing System $MAP PH N R$ with Session Arrivals Operating in Random Environment. Communications in Computer and Information Science, 2013, , 406-415. | 0.5 | 2 |
| 52 | Retrial queueing model with time-phased batch arrivals. , 2008, , . | | 1 |
| 53 | Multi-server Queueing System $\sum_{r=1}^{\infty} MAP/M/N(r) / \hat{z}$ Operating in Random Environment. Communications in Computer and Information Science, 2015, , 306-315. | 0.5 | 1 |
| 54 | A Tandem Queueing System with Batch Session Arrivals. Communications in Computer and Information Science, 2013, , 59-68. | 0.5 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Analysis of BMAP ^(r) /M ^(r) /N ^(r) Type Queueing System Operating in Random Environment. Journal of Korean Institute of Industrial Engineers, 2016, 42, 30-37. | 0.1 | 1 |
| 56 | Analysis Of Unreliable Multi-Server Queueing System With Breakdowns Spread And Quarantine. , 2017, , . | | 1 |
| 57 | Optimal Control by the Queue with Rate and Quality of Service Depending on the Amount of Harvested Energy as a Model of the Node of Wireless Sensor Network. Lecture Notes in Computer Science, 2019, , 165-178. | 1.3 | 1 |
| 58 | An Erlang Loss Queue with Time-Phased Batch Arrivals as a Model for Traffic Control in Communication Networks. Mathematical Problems in Engineering, 2008, 2008, 1-14. | 1.1 | 0 |
| 59 | Queueing system with a phase process of query arrival in session. Automatic Control and Computer Sciences, 2009, 43, 113-122. | 0.8 | 0 |
| 60 | A two-phase queueing system with access control and correlated arrival processes. Automatic Control and Computer Sciences, 2009, 43, 295-302. | 0.8 | 0 |
| 61 | Tandem queueing system MAP|M|N|K - N → ●|M|R|∞ with impatient customers as a model of remote technical support. , 2012, , . | | 0 |
| 62 | Improved Priority Scheme for Unreliable Queueing System. Communications in Computer and Information Science, 2021, , 16-30. | 0.5 | 0 |
| 63 | Vacation Queueing Model for Performance Evaluation of Multiple Access Information Transmission Systems without Transmission Interruption. Mathematics, 2021, 9, 1508. | 2.2 | 0 |
| 64 | Analysis of Two-Server Queueing Model with Phase-Type Service Time Distribution and Common Phases of Service. Communications in Computer and Information Science, 2016, , 19-29. | 0.5 | 0 |
| 65 | Optimization of Signals Processing in Nodes of Sensor Network with Energy Harvesting and Expenditure for Admission and Transmission. Lecture Notes in Computer Science, 2020, , 406-421. | 1.3 | 0 |
| 66 | Analysis of Multi-server Loss Queueing System with Batch Marked Markov Arrival Process. Lecture Notes in Computer Science, 2021, , 182-195. | 1.3 | 0 |