# Tuan Phung-Duc

## List of Publications by Year
### in descending order

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|---|---|---|---|
| 106<br>papers | 1,021<br>citations | 586496<br>16<br>h-index | 651938<br>25<br>g-index |
| 111<br>all docs | 111<br>docs citations | 111<br>times ranked | 343<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Queueing models for cognitive wireless networks with sensing time of secondary users. Annals of Operations Research, 2022, 310, 641-660. | 2.6 | 12 |
| 2 | Analyzing vertical and horizontal offloading in federated cloud and edge computing systems. Telecommunication Systems, 2022, 79, 447-459. | 1.6 | 3 |
| 3 | Preface: Queues and related stochastic models. Annals of Operations Research, 2022, 310, 331. | 2.6 | 0 |
| 4 | A Queueing Analysis of Multi-type Servers and Multi-type Customers System based on Gas Stations. , 2022, , . | | 0 |
| 5 | Performance Analysis for Threshold-based N-Systems with Heterogeneous Servers. , 2022, , . | | 0 |
| 6 | Queueing Analysis and Nash Equilibria in an Unobservable Taxi-passenger System with Two Types of Passenger. , 2022, , . | | 1 |
| 7 | Diffusion Limit for Single-Server Retrial Queues with Renewal Input and Outgoing Calls. Mathematics, 2022, 10, 948. | 1.1 | 6 |
| 8 | Strategic customer behavior and optimal policies in a passenger–taxi double-ended queueing system with multiple access points and nonzero matching times. Queueing Systems, 2022, 102, 481-508. | 0.6 | 4 |
| 9 | To wait or not to wait: Strategic behaviors in an observable batch-service queueing system. Operations Research Letters, 2022, 50, 343-346. | 0.5 | 2 |
| 10 | A two-population game in observable double-ended queuing systems. Operations Research Letters, 2022, 50, 407-414. | 0.5 | 2 |
| 11 | Modified Erlang Loss System for Cognitive Wireless Networks. Mathematics, 2022, 10, 2101. | 1.1 | 3 |
| 12 | Supply–demand equilibria and multivariate optimization of social welfare in double-ended queueing systems. Computers and Industrial Engineering, 2022, 170, 108306. | 3.4 | 2 |
| 13 | Central Limit Theorem for an M/M/1/1 Retrial Queue with Unreliable Server and Two-Way Communication. Communications in Computer and Information Science, 2021, , 120-130. | 0.4 | 0 |
| 14 | Asymptotic-Diffusion Analysis of Multiserver Retrial Queueing System with Priority Customers. Communications in Computer and Information Science, 2021, , 236-250. | 0.4 | 4 |
| 15 | An M/PH/1 queue with workload-dependent processing speed and vacations. Queueing Systems, 2021, 98, 373-405. | 0.6 | 3 |
| 16 | A Queueing Analysis of Multi-model Multi-input Machine Learning Systems. , 2021, , . | | 2 |
| 17 | Analysis of Tandem Retrial Queue with Common Orbit and Poisson Arrival Process. Lecture Notes in Computer Science, 2021, , 441-456. | 1.0 | 3 |
| 18 | Performance Models of NFV-Based Hybrid Systems for Delay-Sensitive Services. Lecture Notes in Computer Science, 2021, , 181-196. | 1.0 | 0 |

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| 19 | Scaling Limits of a Tandem Retrial Queue with Common Orbit and Poisson Arrival Process. Lecture Notes in Computer Science, 2021, , 240-250. | 1.0 | 2 |
| 20 | Mixture Density Networks as a General Framework for Estimation and Prediction of Waiting Time Distributions in Queueing Systems. Lecture Notes in Computer Science, 2021, , 148-161. | 1.0 | 0 |
| 21 | Stationary Analysis of Infinite Server Queue with Batch Service. Lecture Notes in Computer Science, 2021, , 411-424. | 1.0 | 3 |
| 22 | Delay performance of data-center queue with setup policy and abandonment. Annals of Operations Research, 2020, 293, 269-293. | 2.6 | 10 |
| 23 | A finite-source M/G/1 retrial queue with outgoing calls. Annals of Operations Research, 2020, 293, 101-121. | 2.6 | 5 |
| 24 | Diffusion Limit of Multi-Server Retrial Queue with Setup Time. Mathematics, 2020, 8, 2232. | 1.1 | 8 |
| 25 | Preface: Queueing theory and network applications II. Annals of Operations Research, 2020, 293, 1-1. | 2.6 | 2 |
| 26 | Analysis of a variable service speed single server queue with batch arrivals and general setup time. Performance Evaluation, 2020, 138, 102082. | 0.9 | 2 |
| 27 | Queueing Analysis of Cognitive Radio Networks with Finite Number of Secondary Users. Lecture Notes in Computer Science, 2020, , 18-32. | 1.0 | 1 |
| 28 | Analysis of Cognitive Radio Networks with Cooperative Communication. , 2020, , . | | 6 |
| 29 | M/M/1 Vacation Queue with Multiple Thresholds: A Fluid Analysis. Lecture Notes in Computer Science, 2020, , 148-152. | 1.0 | 1 |
| 30 | Batch Arrival Multiserver Queue with State-Dependent Setup for Energy-Saving Data Center. Infosys Science Foundation Series, 2020, , 421-440. | 0.3 | 1 |
| 31 | Diffusion Approximation for Multiserver Retrial Queue with Two-Way Communication. Lecture Notes in Computer Science, 2020, , 567-578. | 1.0 | 4 |
| 32 | Analysis of the queue lengths in a priority retrial queue with constant retrial policy. Journal of Industrial and Management Optimization, 2020, 16, 2813-2842. | 0.8 | 1 |
| 33 | Multidimensional Central Limit Theorem of the Multiclass M/M/1/1 Retrial Queue. Lecture Notes in Computer Science, 2020, , 298-310. | 1.0 | 1 |
| 34 | A Single Server Queue with Workload-Dependent Service Speed and Vacations. Lecture Notes in Computer Science, 2019, , 112-127. | 1.0 | 5 |
| 35 | A central limit theorem for a Markov-modulated infinite-server queue with batch Poisson arrivals and binomial catastrophes. Performance Evaluation Review, 2019, 46, 33-34. | 0.4 | 0 |
| 36 | Preface: Queueing theory and network applications. Annals of Operations Research, 2019, 277, 135-135. | 2.6 | 0 |

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| 37 | Slow Retrial Asymptotics for a Single Server Queue with Two-Way Communication and Markov Modulated Poisson Input. Journal of Systems Science and Systems Engineering, 2019, 28, 181-193. | 0.8 | 7 |
| 38 | A central limit theorem for a Markov-modulated infinite-server queue with batch Poisson arrivals and binomial catastrophes. Performance Evaluation, 2019, 129, 2-14. | 0.9 | 11 |
| 39 | Light-traffic analysis of random access systems without collisions. Annals of Operations Research, 2019, 277, 311-327. | 2.6 | 22 |
| 40 | Analysis of Retrial Queues for Cognitive Wireless Networks with Sensing Time of Secondary Users. Lecture Notes in Computer Science, 2019, , 77-91. | 1.0 | 7 |
| 41 | Asymptotic-Diffusion Analysis for Retrial Queue with Batch Poisson Input and Multiple Types of Outgoing Calls. Lecture Notes in Computer Science, 2019, , 207-222. | 1.0 | 7 |
| 42 | Multiserver retrial queue with setup time and its application to data centers. Journal of Industrial and Management Optimization, 2019, 15, 15-35. | 0.8 | 11 |
| 43 | Queueing Analysis of Home Delivery Services with Parcel Lockers. Lecture Notes in Computer Science, 2019, , 351-368. | 1.0 | 0 |
| 44 | Single Server Queues with Batch PoissonÂInput and Multiple Types ofÂOutgoing Calls. Communications in Computer and Information Science, 2019, , 177-187. | 0.4 | 1 |
| 45 | On the Busy Period in a Finite-Source Retrial Queue with Outgoing Calls. Communications in Computer and Information Science, 2019, , 1-13. | 0.4 | 1 |
| 46 | ASA: Adaptive VNF Scaling Algorithm for 5G Mobile Networks. , 2018, , . | | 11 |
| 47 | Asymptotics of queue length distributions in priority retrial queues. Performance Evaluation, 2018, 127-128, 235-252. | 0.9 | 2 |
| 48 | Stability analysis of multiserver system with servers-orbit interaction and feedback. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |
| 49 | A Riemann-Hilbert boundary value problem for single-server systems with two queues for blocked and feedback customers. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |
| 50 | Unreliable Single-Server Queue with Two-Way Communication and Retrials of Blocked and Interrupted Calls for Cognitive Radio Networks. Lecture Notes in Computer Science, 2018, , 276-287. | 1.0 | 3 |
| 51 | Retrial Queueing Model with Two-Way Communication, Unreliable Server and Resume of Interrupted Call for Cognitive Radio Networks. Communications in Computer and Information Science, 2018, , 213-224. | 0.4 | 5 |
| 52 | Regenerative Analysis of Two-Way Communication Orbit-Queue with General Service Time. Lecture Notes in Computer Science, 2018, , 22-32. | 1.0 | 5 |
| 53 | Preface for Stochastic Models: Methods and Applications. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |
| 54 | Exact solutions for M/M/c/Setup queues. Telecommunication Systems, 2017, 64, 309-324. | 1.6 | 40 |

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| 55 | Stability analysis of a multiclass retrial system with classical retrial policy. Performance Evaluation, 2017, 112, 15-26. | 0.9 | 28 |
| 56 | Batch arrival single-server queue with variable service speed and setup time. Queueing Systems, 2017, 86, 241-260. | 0.6 | 12 |
| 57 | Stability condition for a multiserver retrial queue with interaction between servers and orbit. AIP Conference Proceedings, 2017, , . | 0.3 | 1 |
| 58 | Two-Way Communication M/M/1/1 Queue with Server-Orbit Interaction and Feedback of Outgoing Retrial Calls. Communications in Computer and Information Science, 2017, , 243-255. | 0.4 | 0 |
| 59 | Preface of the â€œSymposium on Stochastic Models: Methods and Applicationsâ€. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 60 | Profiting the idleness in single server system with orbit-queue. , 2017, , . | | 5 |
| 61 | Two-Way Communication M/M/1//N Retrial Queue. Lecture Notes in Computer Science, 2017, , 81-94. | 1.0 | 19 |
| 62 | Heavy Outgoing Call Asymptotics for $${MMPP{slash }}M{slash }1{slash }1$$ Retrial Queue with Two-Way Communication. Communications in Computer and Information Science, 2017, , 28-41. | 0.4 | 8 |
| 63 | Single server retrial queues with setup time. Journal of Industrial and Management Optimization, 2017, 13, 1329-1345. | 0.8 | 17 |
| 64 | Single server retrial queues with speed scaling: Analysis and performance evaluation. Journal of Industrial and Management Optimization, 2017, 13, 1927-1943. | 0.8 | 8 |
| 65 | Retrial queues with balanced call blending: analysis of single-server and multiserver model. Annals of Operations Research, 2016, 239, 429-449. | 2.6 | 24 |
| 66 | Multiserver Queue with Guard Channel for Priority and Retrial Customers. International Journal of Stochastic Analysis, 2016, 2016, 1-23. | 0.3 | 3 |
| 67 | Light-traffic analysis of queues with limited heterogenous retrials. , 2016, , . | | 4 |
| 68 | The stability condition of BMAP/M/âˆž queues. , 2016, , . | | 3 |
| 69 | Dynamic Auto Scaling Algorithm (DASA) for 5G Mobile Networks. , 2016, , . | | 28 |
| 70 | Impacts of Retrials on Power-Saving Policy in Data Centers. , 2016, , . | | 3 |
| 71 | Design and Analysis of Deadline and Budget Constrained Autoscaling (DBCA) Algorithm for 5G Mobile Networks. , 2016, , . | | 14 |
| 72 | LINEAR BIRTH/IMMIGRATION-DEATH PROCESS WITH BINOMIAL CATASTROPHES. Probability in the Engineering and Informational Sciences, 2016, 30, 79-111. | 0.6 | 40 |

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|---|---------|-----|-----------|
| 73 | Energy-Aware Data Centers with s-Staggered Setup and Abandonment. Lecture Notes in Computer Science, 2016, , 269-283. | 1.0 | 3 |
| 74 | Retrial queues and related models. Annals of Operations Research, 2016, 247, 1-2. | 2.6 | 30 |
| 75 | A Law of Large Numbers for M/M/c/Delayoff-Setup Queues with Nonstationary Arrivals. Lecture Notes in Computer Science, 2016, , 253-268. | 1.0 | 16 |
| 76 | Two-Way Communication M/M/1 Retrial Queue with Server-Orbit Interaction. , 2016, , . | | 16 |
| 77 | M/M/1/1 Retrial Queues with Setup Time. Advances in Intelligent Systems and Computing, 2016, , 93-104. | 0.5 | 4 |
| 78 | Analysis of an M/M/1 Retrial Queue with Speed Scaling. Advances in Intelligent Systems and Computing, 2016, , 113-124. | 0.5 | 2 |
| 79 | Retrial Queue for Cloud Systems with Separated Processing and Storage Units. Advances in Intelligent Systems and Computing, 2016, , 143-151. | 0.5 | 2 |
| 80 | Scaling limits for single server retrial queues with two-way communication. Annals of Operations Research, 2016, 247, 229-256. | 2.6 | 22 |
| 81 | Multiserver Queues with Finite Capacity and Setup Time. Lecture Notes in Computer Science, 2015, , 173-187. | 1.0 | 15 |
| 82 | Asymptotic analysis for Markovian queues with two types of nonpersistent retrial customers. Applied Mathematics and Computation, 2015, 265, 768-784. | 1.4 | 8 |
| 83 | Power consumption analysis for data centers with independent setup times and threshold controls. AIP Conference Proceedings, 2015, , . | 0.3 | 10 |
| 84 | Preface of the "Symposium on computational methods for stochastic models". AIP Conference Proceedings, 2015, , . | 0.3 | 0 |
| 85 | Two-way communication retrial queues with multiple types of outgoing calls. Top, 2015, 23, 466-492. | 1.1 | 42 |
| 86 | Optimal Analysis for M/G/1 Retrial Queue with Two-Way Communication. Lecture Notes in Computer Science, 2015, , 1-14. | 1.0 | 3 |
| 87 | MULTISERVER RETRIAL QUEUES WITH TWO TYPES OF NONPERSISTENT CUSTOMERS. Asia-Pacific Journal of Operational Research, 2014, 31, 1440009. | 0.9 | 4 |
| 88 | Server farms with batch arrival and staggered setup. , 2014, , . | | 14 |
| 89 | AN EFFICIENT METHOD FOR PERFORMANCE ANALYSIS OF BLENDED CALL CENTERS WITH REDIAL. Asia-Pacific Journal of Operational Research, 2014, 31, 1440008. | 0.9 | 14 |
| 90 | Performance analysis of call centers with abandonment, retrial and after-call work. Performance Evaluation, 2014, 80, 43-62. | 0.9 | 24 |

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| 91 | Impatient Customers in Power-Saving Data Centers. Lecture Notes in Computer Science, 2014, , 185-199. | 1.0 | 13 |
| 92 | A matrix continued fraction approach to multiserver retrial queues. Annals of Operations Research, 2013, 202, 161-183. | 2.6 | 25 |
| 93 | Single server retrial queues with two way communication. Applied Mathematical Modelling, 2013, 37, 1811-1822. | 2.2 | 71 |
| 94 | Queueing analysis of internet-based call centers with interactive voice response and redial. , 2012, , . | | 3 |
| 95 | An explicit solution for a tandem queue with retrials and losses. Operational Research, 2012, 12, 189-207. | 1.3 | 18 |
| 96 | Two Way Communication Retrial Queues with Balanced Call Blending. Lecture Notes in Computer Science, 2012, , 16-31. | 1.0 | 10 |
| 97 | Markovian retrial queues with two way communication. Journal of Industrial and Management Optimization, 2012, 8, 781-806. | 0.8 | 60 |
| 98 | Markovian single server retrial queues with two way communication. , 2011, , . | | 4 |
| 99 | Multiserver retrial queues with after-call work. Numerical Algebra, Control and Optimization, 2011, 1, 639-656. | 1.0 | 14 |
| 100 | A simple algorithm for the rate matrices of level-dependent QBD processes. , 2010, , . | | 43 |
| 101 | State-dependent M/M/c/c + r retrial queues with Bernoulli abandonment. Journal of Industrial and Management Optimization, 2010, 6, 517-540. | 0.8 | 29 |
| 102 | Analytical solutions for state-dependent M/M/c/c+r retrial queues with Bernoulli abandonment. , 2009, , . | | 0 |
| 103 | PERFORMANCE ANALYSIS OF OPTICAL BURST SWITCHED NETWORKS WITH LIMITED-RANGE WAVELENGTH CONVERSION, RETRANSMISSION AND BURST SEGMENTATION. Journal of the Operations Research Society of Japan, 2009, 52, 58-74. | 0.3 | 15 |
| 104 | M/M/3/3 and M/M/4/4 retrial queues. Journal of Industrial and Management Optimization, 2009, 5, 431-451. | 0.8 | 27 |
| 105 | Burst Segmentation with Upper-Layer Retransmission and Its Effect on Wavelength Utilization for Optical Burst Switched Networks. , 2006, , . | | 1 |
| 106 | Queueing analysis of a Car/Ride-Share system. Annals of Operations Research, 0, , 1. | 2.6 | 2 |