

Refael Hassin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2218065/publications.pdf>

Version: 2024-02-01

153
papers

5,692
citations

109264

35
h-index

102432

66
g-index

155
all docs

155
docs citations

155
times ranked

2475
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | To Queue or Not to Queue: Equilibrium Behavior in Queueing Systems. Profiles in Operations Research, 2003, , . | 0.3 | 689 |
| 2 | Approximation Schemes for the Restricted Shortest Path Problem. Mathematics of Operations Research, 1992, 17, 36-42. | 0.8 | 461 |
| 3 | Approximation algorithms for the geometric covering salesman problem. Discrete Applied Mathematics, 1994, 55, 197-218. | 0.5 | 248 |
| 4 | Scheduling Arrivals to Queues: A Single-Server Model with No-Shows. Management Science, 2008, 54, 565-572. | 2.4 | 161 |
| 5 | Consumer Information in Markets with Random Product Quality: The Case of Queues and Balking. Econometrica, 1986, 54, 1185. | 2.6 | 152 |
| 6 | Approximation algorithms for maximum dispersion. Operations Research Letters, 1997, 21, 133-137. | 0.5 | 142 |
| 7 | Strategic Behavior and Social Optimization in Markovian Vacation Queues. Operations Research, 2011, 59, 986-997. | 1.2 | 139 |
| 8 | OPTIMAL CONTESTS. Economic Inquiry, 1988, 26, 133-143. | 1.0 | 133 |
| 9 | Approximations for minimum and min-max vehicle routing problems. Journal of Algorithms, 2006, 59, 1-18. | 0.9 | 130 |
| 10 | Equilibrium Threshold Strategies: The Case of Queues with Priorities. Operations Research, 1997, 45, 966-973. | 1.2 | 105 |
| 11 | Complexity of finding dense subgraphs. Discrete Applied Mathematics, 2002, 121, 15-26. | 0.5 | 101 |
| 12 | The scheduling of maintenance service. Discrete Applied Mathematics, 1998, 82, 27-42. | 0.5 | 92 |
| 13 | On Local Search for Weighted k -Set Packing. Mathematics of Operations Research, 1998, 23, 640-648. | 0.8 | 90 |
| 14 | The Impact of Inspection Cost on Equilibrium, Revenue, and Social Welfare in a Single-Server Queue. Operations Research, 2017, 65, 804-820. | 1.2 | 87 |
| 15 | On the minimum diameter spanning tree problem. Information Processing Letters, 1995, 53, 109-111. | 0.4 | 86 |
| 16 | Strategic behavior and social optimization in Markovian vacation queues: The case of heterogeneous customers. European Journal of Operational Research, 2012, 222, 278-286. | 3.5 | 85 |
| 17 | Capacitated vertex covering. Journal of Algorithms, 2003, 48, 257-270. | 0.9 | 77 |
| 18 | Approximation algorithms for hitting objects with straight lines. Discrete Applied Mathematics, 1991, 30, 29-42. | 0.5 | 73 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | On the Optimality of First Come Last Served Queues. <i>Econometrica</i> , 1985, 53, 201. | 2.6 | 72 |
| 20 | Stable priority purchasing in queues. <i>Operations Research Letters</i> , 1986, 4, 285-288. | 0.5 | 69 |
| 21 | M/M/1: On the equilibrium distribution of customer arrivals. <i>European Journal of Operational Research</i> , 1983, 13, 146-150. | 3.5 | 64 |
| 22 | Equilibrium strategies for queues with impatient customers. <i>Operations Research Letters</i> , 1995, 17, 41-45. | 0.5 | 58 |
| 23 | Approximations for the maximum acyclic subgraph problem. <i>Information Processing Letters</i> , 1994, 51, 133-140. | 0.4 | 55 |
| 24 | z-Approximations. <i>Journal of Algorithms</i> , 2001, 41, 429-442. | 0.9 | 55 |
| 25 | INFORMATION AND UNCERTAINTY IN A QUEUING SYSTEM. <i>Probability in the Engineering and Informational Sciences</i> , 2007, 21, 361-380. | 0.6 | 54 |
| 26 | An $O(n \log^2 n)$ Algorithm for Maximum Flow in Undirected Planar Networks. <i>SIAM Journal on Computing</i> , 1985, 14, 612-624. | 0.8 | 53 |
| 27 | Optimizing Chemotherapy Scheduling Using Local Search Heuristics. <i>Operations Research</i> , 2006, 54, 829-846. | 1.2 | 52 |
| 28 | Minimum cost flow with set-constraints. <i>Networks</i> , 1982, 12, 1-21. | 1.6 | 51 |
| 29 | On Shortest Paths in Graphs with Random Weights. <i>Mathematics of Operations Research</i> , 1985, 10, 557-564. | 0.8 | 50 |
| 30 | Better approximations for max TSP. <i>Information Processing Letters</i> , 2000, 75, 181-186. | 0.4 | 50 |
| 31 | Allocation of bandwidth and storage. <i>IIE Transactions</i> , 2002, 34, 501-507. | 2.1 | 48 |
| 32 | Approximation algorithms and hardness results for \hat{A} -labeled connectivity problems. <i>Journal of Combinatorial Optimization</i> , 2007, 14, 437-453. | 0.8 | 48 |
| 33 | An approximation algorithm for maximum triangle packing. <i>Discrete Applied Mathematics</i> , 2006, 154, 971-979. | 0.5 | 47 |
| 34 | The minimum cost flow problem: A unifying approach to dual algorithms and a new tree-search algorithm. <i>Mathematical Programming</i> , 1983, 25, 228-239. | 1.6 | 42 |
| 35 | On the Advantage of Being the First Server. <i>Management Science</i> , 1996, 42, 618-623. | 2.4 | 40 |
| 36 | Approximation algorithms for min-sum p-clustering. <i>Discrete Applied Mathematics</i> , 1998, 89, 125-142. | 0.5 | 39 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | An Efficient Polynomial Time Approximation Scheme for the Constrained Minimum Spanning Tree Problem Using Matroid Intersection. <i>SIAM Journal on Computing</i> , 2004, 33, 261-268. | 0.8 | 36 |
| 38 | A Better-Than-Greedy Approximation Algorithm for the Minimum Set Cover Problem. <i>SIAM Journal on Computing</i> , 2005, 35, 189-200. | 0.8 | 36 |
| 39 | On Optimal and Equilibrium Retrial Rates in a Queueing System. <i>Probability in the Engineering and Informational Sciences</i> , 1996, 10, 223-227. | 0.6 | 35 |
| 40 | Mean Passage Times and Nearly Uncoupled Markov Chains. <i>SIAM Journal on Discrete Mathematics</i> , 1992, 5, 386-397. | 0.4 | 34 |
| 41 | A α -approximation algorithm for metric Max TSP. <i>Information Processing Letters</i> , 2002, 81, 247-251. | 0.4 | 34 |
| 42 | Equilibrium strategies and the value of information in a two line queueing system with threshold jockeying. <i>Stochastic Models</i> , 1994, 10, 415-435. | 0.3 | 33 |
| 43 | Approximating the maximum quadratic assignment problem. <i>Information Processing Letters</i> , 2001, 77, 13-16. | 0.4 | 32 |
| 44 | Equilibrium and optimal arrival patterns to a server with opening and closing times. <i>IIE Transactions</i> , 2010, 43, 164-175. | 2.1 | 31 |
| 45 | A Dichotomous Search for a Geometric Random Variable. <i>Operations Research</i> , 1984, 32, 423-439. | 1.2 | 30 |
| 46 | Minimum-diameter covering problems. <i>Networks</i> , 2000, 36, 147-155. | 1.6 | 30 |
| 47 | Robust Matchings. <i>SIAM Journal on Discrete Mathematics</i> , 2002, 15, 530-537. | 0.4 | 29 |
| 48 | Nash Equilibrium and Subgame Perfection in Observable Queues. <i>Annals of Operations Research</i> , 2002, 113, 15-26. | 2.6 | 28 |
| 49 | Approximation algorithms for some vehicle routing problems. <i>Discrete Applied Mathematics</i> , 2005, 146, 27-42. | 0.5 | 28 |
| 50 | Multi-Color Pebble Motion on Graphs. <i>Algorithmica</i> , 2010, 58, 610-636. | 1.0 | 28 |
| 51 | Maximizing the number of unused colors in the vertex coloring problem. <i>Information Processing Letters</i> , 1994, 52, 87-90. | 0.4 | 27 |
| 52 | Sequential Rent Seeking. <i>Public Choice</i> , 2000, 102, 219-228. | 1.0 | 26 |
| 53 | Approximation Algorithms for a Capacitated Network Design Problem. <i>Algorithmica</i> , 2004, 38, 417-431. | 1.0 | 26 |
| 54 | Machine scheduling with earliness, tardiness and non-execution penalties. <i>Computers and Operations Research</i> , 2005, 32, 683-705. | 2.4 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Restricted delivery problems on a network. <i>Networks</i> , 1997, 29, 205-216. | 1.6 | 25 |
| 56 | Two Backorder Compensation Mechanisms in Inventory Systems with Impatient Customers. <i>Production and Operations Management</i> , 2015, 24, 1640-1656. | 2.1 | 25 |
| 57 | Profit maximization in the M/M/1 queue. <i>Operations Research Letters</i> , 2017, 45, 436-441. | 0.5 | 25 |
| 58 | Cascade equilibrium strategies in a two-server queueing system with inspection cost. <i>European Journal of Operational Research</i> , 2018, 267, 1014-1026. | 3.5 | 25 |
| 59 | An approximation algorithm for maximum packing of 3-edge paths. <i>Information Processing Letters</i> , 1997, 63, 63-67. | 0.4 | 24 |
| 60 | A 0.5-Approximation Algorithm for MAX DICUT with Given Sizes of Parts. <i>SIAM Journal on Discrete Mathematics</i> , 2001, 14, 246-255. | 0.4 | 24 |
| 61 | A note on orientations of mixed graphs. <i>Discrete Applied Mathematics</i> , 2002, 116, 271-278. | 0.5 | 24 |
| 62 | An approximation algorithm for the maximum traveling salesman problem. <i>Information Processing Letters</i> , 1998, 67, 125-130. | 0.4 | 23 |
| 63 | On Queue-Length Information when Customers Travel to a Queue. <i>Manufacturing and Service Operations Management</i> , 2021, 23, 989-1004. | 2.3 | 23 |
| 64 | On multicommodity flows in planar graphs. <i>Networks</i> , 1984, 14, 225-235. | 1.6 | 22 |
| 65 | Multi-terminal maximum flows in node-capacitated networks. <i>Discrete Applied Mathematics</i> , 1986, 13, 157-163. | 0.5 | 22 |
| 66 | Probabilistic Analysis of the Capacitated Transportation Problem. <i>Mathematics of Operations Research</i> , 1988, 13, 80-89. | 0.8 | 22 |
| 67 | On the economics of subscriptions. <i>European Economic Review</i> , 1982, 19, 343-356. | 1.2 | 20 |
| 68 | Solution Bases of Multiterminal Cut Problems. <i>Mathematics of Operations Research</i> , 1988, 13, 535-542. | 0.8 | 20 |
| 69 | Exact Computation of Optimal Inventory Policies Over an Unbounded Horizon. <i>Mathematics of Operations Research</i> , 1991, 16, 534-546. | 0.8 | 19 |
| 70 | Who should be given priority in a queue?. <i>Operations Research Letters</i> , 2006, 34, 191-198. | 0.5 | 19 |
| 71 | Greedy heuristics with regret, with application to the cheapest insertion algorithm for the TSP. <i>Operations Research Letters</i> , 2008, 36, 243-246. | 0.5 | 19 |
| 72 | Pricing, replenishment, and timing of selling in a market with heterogeneous customers. <i>International Journal of Production Economics</i> , 2013, 145, 672-682. | 5.1 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | The Price of Anarchy in the Markovian Single Server Queue. IEEE Transactions on Automatic Control, 2014, 59, 455-459. | 3.6 | 19 |
| 74 | Lexicographic local search and the p-center problem. European Journal of Operational Research, 2003, 151, 265-279. | 3.5 | 18 |
| 75 | Allocation of bandwidth and storage. IIE Transactions, 2002, 34, 501-507. | 2.1 | 16 |
| 76 | The use of relative priorities in optimizing the performance of a queueing system. European Journal of Operational Research, 2009, 193, 476-483. | 3.5 | 16 |
| 77 | Approximation Algorithms for Min-Max Tree Partition. Journal of Algorithms, 1997, 24, 266-286. | 0.9 | 15 |
| 78 | The maximum saving partition problem. Operations Research Letters, 2005, 33, 242-248. | 0.5 | 15 |
| 79 | Strategic Overtaking in a Monopolistic M/M/1 Queue. IEEE Transactions on Automatic Control, 2015, 60, 2189-2194. | 3.6 | 15 |
| 80 | The minimum generalized vertex cover problem. ACM Transactions on Algorithms, 2006, 2, 66-78. | 0.9 | 14 |
| 81 | Customer equilibrium in a single-server system with virtual and system queues. Queueing Systems, 2017, 87, 161-180. | 0.6 | 14 |
| 82 | On the complexity of the k-customer vehicle routing problem. Operations Research Letters, 2005, 33, 71-76. | 0.5 | 13 |
| 83 | Social and Monopoly Optimization in Observable Queues. Operations Research, 2020, 68, 1178-1198. | 1.2 | 13 |
| 84 | A Deterministic Single-Item Inventory Model with Seller Holding Cost and Buyer Holding and Shortage Costs. Operations Research, 1986, 34, 613-618. | 1.2 | 12 |
| 85 | Approximations for Maximum Transportation with Permutable Supply Vector and Other Capacitated Star Packing Problems. Algorithmica, 2004, 39, 175-187. | 1.0 | 12 |
| 86 | Equilibrium in Queueing Systems with Complementary Products. Queueing Systems, 2005, 50, 325-342. | 0.6 | 12 |
| 87 | Approximation algorithms for minimum tree partition. Discrete Applied Mathematics, 1998, 87, 117-137. | 0.5 | 11 |
| 88 | Strategic customer behavior in a queueing system with a loss subsystem. Queueing Systems, 2017, 86, 361-387. | 0.6 | 11 |
| 89 | Algorithms for the minimum cost circulation problem based on maximizing the mean improvement. Operations Research Letters, 1992, 12, 227-233. | 0.5 | 10 |
| 90 | Sequential scheduling on identical machines. Operations Research Letters, 2015, 43, 530-533. | 0.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Multiple facility location on a network with linear reliability order of edges. Journal of Combinatorial Optimization, 2017, 34, 931-955. | 0.8 | 10 |
| 92 | Inefficiency in stochastic queueing systems with strategic customers. European Journal of Operational Research, 2021, 295, 1-11. | 3.5 | 10 |
| 93 | The economics of cheating in the taxi market. Transportation Research Part A: Policy and Practice, 1983, 17, 25-31. | 0.3 | 9 |
| 94 | Optimal service capacity allocation in a loss system. Naval Research Logistics, 2015, 62, 81-97. | 1.4 | 9 |
| 95 | Strategic behaviour in a tandem queue with alternating server. Queueing Systems, 2020, 96, 205-244. | 0.6 | 9 |
| 96 | Control of arrivals and departures in a state-dependent input-output system. Operations Research Letters, 1986, 5, 33-36. | 0.5 | 8 |
| 97 | Reconstructing edge-disjoint paths. Operations Research Letters, 2003, 31, 273-276. | 0.5 | 8 |
| 98 | Equilibrium customers' choice between FCFS and random servers. Queueing Systems, 2009, 62, 243-254. | 0.6 | 8 |
| 99 | An optimal algorithm for finding all the jumps of a monotone step-function. Journal of Algorithms, 1985, 6, 265-274. | 0.9 | 7 |
| 100 | A Flow Algorithm for Network Synchronization. Operations Research, 1996, 44, 570-579. | 1.2 | 7 |
| 101 | Minimum spanning tree with hop restrictions. Journal of Algorithms, 2003, 48, 220-238. | 0.9 | 7 |
| 102 | On the price of anarchy in a single-server queue with heterogeneous service valuations induced by travel costs. European Journal of Operational Research, 2018, 265, 580-588. | 3.5 | 7 |
| 103 | A strategic model of job arrivals to a single machine with earliness and tardiness penalties. IIE Transactions, 2018, 50, 265-278. | 1.6 | 7 |
| 104 | Multiterminal xcut problems. Annals of Operations Research, 1991, 33, 215-225. | 2.6 | 6 |
| 105 | An improved approximation algorithm for the metric maximum clustering problem with given cluster sizes. Information Processing Letters, 2006, 98, 92-95. | 0.4 | 6 |
| 106 | Flow trees for vertex-capacitated networks. Discrete Applied Mathematics, 2007, 155, 572-578. | 0.5 | 6 |
| 107 | On the advantage of leadership in service pricing competition. Operations Research Letters, 2013, 41, 397-402. | 0.5 | 6 |
| 108 | Operations research applications of dichotomous search. European Journal of Operational Research, 2018, 265, 795-812. | 3.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | The Calculus of Stonewalling. Journal of Theoretical Politics, 2001, 13, 413-424. | 0.3 | 2 |
| 128 | Approximation algorithms for constructing wavelength routing networks. Networks, 2002, 40, 32-37. | 1.6 | 2 |
| 129 | Approximation algorithms for the metric maximum clustering problem with given cluster sizes. Operations Research Letters, 2003, 31, 179-184. | 0.5 | 2 |
| 130 | Synthesis of 2-Commodity Flow Networks. Mathematics of Operations Research, 2004, 29, 280-288. | 0.8 | 2 |
| 131 | The k -path tree matroid and its applications to survivable network design. Discrete Optimization, 2008, 5, 314-322. | 0.6 | 2 |
| 132 | On two restricted ancestors tree problems. Information Processing Letters, 2010, 110, 570-575. | 0.4 | 2 |
| 133 | Self, Social and Monopoly Optimization in Observable Queues. , 2017, , . | | 2 |
| 134 | Hide or Advertise: The Carrier's Choice of Waiting Time Information Strategies. SSRN Electronic Journal, 0, , . | 0.4 | 2 |
| 135 | Delay-Minimizing Capacity Allocation in an Infinite Server-Queueing System. Stochastic Systems, 2019, 9, 27-46. | 0.8 | 2 |
| 136 | The Approximability of Multiple Facility Location on Directed Networks with Random Arc Failures. Algorithmica, 2020, 82, 2474-2501. | 1.0 | 2 |
| 137 | Rational joining behavior in a queueing system with abandonments. Operations Research Letters, 2021, 49, 426-430. | 0.5 | 2 |
| 138 | Integrality in the multinet network min-cost equal flow problem. Networks, 2022, 80, 267-273. | 1.6 | 2 |
| 139 | Optimal separable partitioning in the plane. Discrete Applied Mathematics, 1995, 59, 215-224. | 0.5 | 1 |
| 140 | Optimal allocation of quotas. Economics Letters, 1998, 58, 55-61. | 0.9 | 1 |
| 141 | Approximation algorithms for maximum latency and partial cycle cover. Discrete Optimization, 2009, 6, 197-205. | 0.6 | 1 |
| 142 | The Complexity of Bottleneck Labeled Graph Problems. Algorithmica, 2010, 58, 245-262. | 1.0 | 1 |
| 143 | Inducing search by periodic advertising. Information Economics and Policy, 2010, 22, 276-286. | 1.7 | 1 |
| 144 | On coloring the arcs of a tournament, covering shortest paths, and reducing the diameter of a graph. Discrete Optimization, 2011, 8, 302-314. | 0.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Series-parallel orientations preserving the cycle-radius. Information Processing Letters, 2012, 112, 153-160. | 0.4 | 1 |
| 146 | Equilibrium and optimal one-shot delegated search. IISE Transactions, 2021, 53, 928-941. | 1.6 | 1 |
| 147 | Strategic behavior in queues with arrival rate uncertainty. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 148 | Greedy Differencing Edge-Contraction heuristic for the Max-Cut problem. Operations Research Letters, 2021, 49, 320-325. | 0.5 | 1 |
| 149 | Restricted delivery problems on a network. Networks, 1997, 29, 205-216. | 1.6 | 1 |
| 150 | Subgraphs decomposable into two trees and k-edge-connected subgraphs. Discrete Applied Mathematics, 2003, 126, 181-195. | 0.5 | 0 |
| 151 | Approximation Algorithms for Quickest Spanning Tree Problems. Algorithmica, 2005, 41, 43-52. | 1.0 | 0 |
| 152 | A Simple Markovian Spreading Process with Mobile Agents. Stochastic Systems, 2021, 11, 19-33. | 0.8 | 0 |
| 153 | Profit maximization and cost balancing in queueing systems. Queueing Systems, 0, , 1. | 0.6 | 0 |