

# Refael Hassin

## List of Publications by Year in descending order

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153  
papers

5,692  
citations

125106

35  
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116156

66  
g-index

155  
all docs

155  
docs citations

155  
times ranked

2849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrality in the multinet network min-cost equal-flow problem. <i>Networks</i> , 2022, 80, 267-273.	1.6	2
2	On Queue-Length Information when Customers Travel to a Queue. <i>Manufacturing and Service Operations Management</i> , 2021, 23, 989-1004.	2.3	23
3	A Simple Markovian Spreading Process with Mobile Agents. <i>Stochastic Systems</i> , 2021, 11, 19-33.	0.8	0
4	Equilibrium and optimal one-shot delegated search. <i>IIE Transactions</i> , 2021, 53, 928-941.	1.6	1
5	Greedy Differencing Edge-Contraction heuristic for the Max-Cut problem. <i>Operations Research Letters</i> , 2021, 49, 320-325.	0.5	1
6	Rational joining behavior in a queueing system with abandonments. <i>Operations Research Letters</i> , 2021, 49, 426-430.	0.5	2
7	Inefficiency in stochastic queueing systems with strategic customers. <i>European Journal of Operational Research</i> , 2021, 295, 1-11.	3.5	10
8	Self-Selected Task Allocation. <i>Manufacturing and Service Operations Management</i> , 2021, 23, 1669-1682.	2.3	3
9	Strategic behaviour in a tandem queue with alternating server. <i>Queueing Systems</i> , 2020, 96, 205-244.	0.6	9
10	Social and Monopoly Optimization in Observable Queues. <i>Operations Research</i> , 2020, 68, 1178-1198.	1.2	13
11	The Approximability of Multiple Facility Location on Directed Networks with Random Arc Failures. <i>Algorithmica</i> , 2020, 82, 2474-2501.	1.0	2
12	Delay-Minimizing Capacity Allocation in an Infinite Server-Queueing System. <i>Stochastic Systems</i> , 2019, 9, 27-46.	0.8	2
13	On the price of anarchy in a single-server queue with heterogeneous service valuations induced by travel costs. <i>European Journal of Operational Research</i> , 2018, 265, 580-588.	3.5	7
14	Operations research applications of dichotomous search. <i>European Journal of Operational Research</i> , 2018, 265, 795-812.	3.5	6
15	A strategic model of job arrivals to a single machine with earliness and tardiness penalties. <i>IIE Transactions</i> , 2018, 50, 265-278.	1.6	7
16	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
17	Multiple facility location on a network with linear reliability order of edges. <i>Journal of Combinatorial Optimization</i> , 2017, 34, 931-955.	0.8	10
18	Strategic customer behavior in a queueing system with a loss subsystem. <i>Queueing Systems</i> , 2017, 86, 361-387.	0.6	11

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19	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
20	Customer equilibrium in a single-server system with virtual and system queues. Queueing Systems, 2017, 87, 161-180.	0.6	14
21	Profit maximization in the M/M/1 queue. Operations Research Letters, 2017, 45, 436-441.	0.5	25
22	Self, Social and Monopoly Optimization in Observable Queues. , 2017, , .		2
23	When Markov chains meet: A continuous-time model of network evolution. Statistics and Probability Letters, 2016, 116, 131-138.	0.4	3
24	Equilibrium strategies for placing duplicate orders in a single server queue. Operations Research Letters, 2015, 43, 343-348.	0.5	5
25	Optimal service capacity allocation in a loss system. Naval Research Logistics, 2015, 62, 81-97.	1.4	9
26	Two Backorder Compensation Mechanisms in Inventory Systems with Impatient Customers. Production and Operations Management, 2015, 24, 1640-1656.	2.1	25
27	Sequential scheduling on identical machines. Operations Research Letters, 2015, 43, 530-533.	0.5	10
28	Strategic Overtaking in a Monopolistic M/M/1 Queue. IEEE Transactions on Automatic Control, 2015, 60, 2189-2194.	3.6	15
29	The Price of Anarchy in the Markovian Single Server Queue. IEEE Transactions on Automatic Control, 2014, 59, 455-459.	3.6	19
30	Regulation under partial cooperation: The case of a queueing system. Operations Research Letters, 2014, 42, 217-221.	0.5	5
31	On the advantage of leadership in service pricing competition. Operations Research Letters, 2013, 41, 397-402.	0.5	6
32	Pricing, replenishment, and timing of selling in a market with heterogeneous customers. International Journal of Production Economics, 2013, 145, 672-682.	5.1	19
33	A local search algorithm for binary maximum 2-path partitioning. Discrete Optimization, 2013, 10, 333-360.	0.6	5
34	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
35	Series-parallel orientations preserving the cycle-radius. Information Processing Letters, 2012, 112, 153-160.	0.6	3
36	Series-parallel orientations preserving the cycle-radius. Information Processing Letters, 2012, 112, 153-160.	0.4	1

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37	Strategic Behavior and Social Optimization in Markovian Vacation Queues. <i>Operations Research</i> , 2011, 59, 986-997.	1.2	139
38	On coloring the arcs of a tournament, covering shortest paths, and reducing the diameter of a graph. <i>Discrete Optimization</i> , 2011, 8, 302-314.	0.6	1
39	On two restricted ancestors tree problems. <i>Information Processing Letters</i> , 2010, 110, 570-575.	0.4	2
40	The Complexity of Bottleneck Labeled Graph Problems. <i>Algorithmica</i> , 2010, 58, 245-262.	1.0	1
41	Multi-Color Pebble Motion on Graphs. <i>Algorithmica</i> , 2010, 58, 610-636.	1.0	28
42	Min sum clustering with penalties. <i>European Journal of Operational Research</i> , 2010, 206, 547-554.	3.5	4
43	Inducing search by periodic advertising. <i>Information Economics and Policy</i> , 2010, 22, 276-286.	1.7	1
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	Equilibrium customers' choice between FCFS and random servers. <i>Queueing Systems</i> , 2009, 62, 243-254.	0.6	8
46	Approximation algorithms for maximum latency and partial cycle cover. <i>Discrete Optimization</i> , 2009, 6, 197-205.	0.6	1
47	The use of relative priorities in optimizing the performance of a queueing system. <i>European Journal of Operational Research</i> , 2009, 193, 476-483.	3.5	16
48	The $k$ -path tree matroid and its applications to survivable network design. <i>Discrete Optimization</i> , 2008, 5, 314-322.	0.6	2
49	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
50	Rounding to an integral program. <i>Operations Research Letters</i> , 2008, 36, 321-326.	0.5	3
51	Scheduling Arrivals to Queues: A Single-Server Model with No-Shows. <i>Management Science</i> , 2008, 54, 565-572.	2.4	161
52	INFORMATION AND UNCERTAINTY IN A QUEUEING SYSTEM. <i>Probability in the Engineering and Informational Sciences</i> , 2007, 21, 361-380.	0.6	54
53	Approximation algorithms and hardness results for labeled connectivity problems. <i>Journal of Combinatorial Optimization</i> , 2007, 14, 437-453.	0.8	48
54	Flow trees for vertex-capacitated networks. <i>Discrete Applied Mathematics</i> , 2007, 155, 572-578.	0.5	6

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55	The Complexity of Bottleneck Labeled Graph Problems. Lecture Notes in Computer Science, 2007, , 328-340.	1.0	6
56	Optimizing Chemotherapy Scheduling Using Local Search Heuristics. Operations Research, 2006, 54, 829-846.	1.2	52
57	An approximation algorithm for maximum triangle packing. Discrete Applied Mathematics, 2006, 154, 971-979.	0.5	47
58	Who should be given priority in a queue?. Operations Research Letters, 2006, 34, 191-198.	0.5	19
59	Approximations for minimum and min-max vehicle routing problems. Journal of Algorithms, 2006, 59, 1-18.	0.9	130
60	An improved approximation algorithm for the metric maximum clustering problem with given cluster sizes. Information Processing Letters, 2006, 98, 92-95.	0.4	6
61	The minimum generalized vertex cover problem. ACM Transactions on Algorithms, 2006, 2, 66-78.	0.9	14
62	The Number of Solutions Sufficient for Solving a Family of Problems. Mathematics of Operations Research, 2005, 30, 880-896.	0.8	3
63	The maximum saving partition problem. Operations Research Letters, 2005, 33, 242-248.	0.5	15
64	On the complexity of the k-customer vehicle routing problem. Operations Research Letters, 2005, 33, 71-76.	0.5	13
65	Machine scheduling with earliness, tardiness and non-execution penalties. Computers and Operations Research, 2005, 32, 683-705.	2.4	26
66	Approximation algorithms for some vehicle routing problems. Discrete Applied Mathematics, 2005, 146, 27-42.	0.5	28
67	Approximation Algorithms for Quickest Spanning Tree Problems. Algorithmica, 2005, 41, 43-52.	1.0	0
68	Equilibrium in Queueing Systems with Complementary Products. Queueing Systems, 2005, 50, 325-342.	0.6	12
69	A Better-Than-Greedy Approximation Algorithm for the Minimum Set Cover Problem. SIAM Journal on Computing, 2005, 35, 189-200.	0.8	36
70	Approximation Algorithms for a Capacitated Network Design Problem. Algorithmica, 2004, 38, 417-431.	1.0	26
71	Approximations for Maximum Transportation with Permutable Supply Vector and Other Capacitated Star Packing Problems. Algorithmica, 2004, 39, 175-187.	1.0	12
72	Minimum restricted diameter spanning trees. Discrete Applied Mathematics, 2004, 137, 343-357.	0.5	4

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73	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
74	Synthesis of 2-Commodity Flow Networks. <i>Mathematics of Operations Research</i> , 2004, 29, 280-288.	0.8	2
75	Subgraphs decomposable into two trees and k-edge-connected subgraphs. <i>Discrete Applied Mathematics</i> , 2003, 126, 181-195.	0.5	0
76	Approximation algorithms for the metric maximum clustering problem with given cluster sizes. <i>Operations Research Letters</i> , 2003, 31, 179-184.	0.5	2
77	Lexicographic local search and the p-center problem. <i>European Journal of Operational Research</i> , 2003, 151, 265-279.	3.5	18
78	Reconstructing edge-disjoint paths. <i>Operations Research Letters</i> , 2003, 31, 273-276.	0.5	8
79	Minimum spanning tree with hop restrictions. <i>Journal of Algorithms</i> , 2003, 48, 220-238.	0.9	7
80	Capacitated vertex covering. <i>Journal of Algorithms</i> , 2003, 48, 257-270.	0.9	77
81	To Queue or Not to Queue: Equilibrium Behavior in Queueing Systems. <i>Profiles in Operations Research</i> , 2003, , .	0.3	689
82	Allocation of bandwidth and storage. <i>IIE Transactions</i> , 2002, 34, 501-507.	2.1	48
83	Robust Matchings. <i>SIAM Journal on Discrete Mathematics</i> , 2002, 15, 530-537.	0.4	29
84	Approximation algorithms for constructing wavelength routing networks. <i>Networks</i> , 2002, 40, 32-37.	1.6	2
85	A note on orientations of mixed graphs. <i>Discrete Applied Mathematics</i> , 2002, 116, 271-278.	0.5	24
86	Complexity of finding dense subgraphs. <i>Discrete Applied Mathematics</i> , 2002, 121, 15-26.	0.5	101
87	Increasing digraph arc-connectivity by arc addition, reversal and complement. <i>Discrete Applied Mathematics</i> , 2002, 122, 13-22.	0.5	3
88	A -approximation algorithm for metric Max TSP. <i>Information Processing Letters</i> , 2002, 81, 247-251.	0.4	34
89	Allocation of bandwidth and storage. <i>IIE Transactions</i> , 2002, 34, 501-507.	2.1	16
90	Nash Equilibrium and Subgame Perfection in Observable Queues. <i>Annals of Operations Research</i> , 2002, 113, 15-26.	2.6	28

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91	z-Approximations. Journal of Algorithms, 2001, 41, 429-442.	0.9	55
92	Approximating the maximum quadratic assignment problem. Information Processing Letters, 2001, 77, 13-16.	0.4	32
93	Approximation algorithms for maximum linear arrangement. Information Processing Letters, 2001, 80, 171-177.	0.4	3
94	A 0.5-Approximation Algorithm for MAX DICUT with Given Sizes of Parts. SIAM Journal on Discrete Mathematics, 2001, 14, 246-255.	0.4	24
95	The Calculus of Stonewalling. Journal of Theoretical Politics, 2001, 13, 413-424.	0.3	2
96	Minimum-diameter covering problems. Networks, 2000, 36, 147-155.	1.6	30
97	Better approximations for max TSP. Information Processing Letters, 2000, 75, 181-186.	0.4	50
98	Sequential Rent Seeking. Public Choice, 2000, 102, 219-228.	1.0	26
99	Graph partitions with minimum degree constraints. Discrete Mathematics, 1998, 190, 55-65.	0.4	5
100	An approximation algorithm for the maximum traveling salesman problem. Information Processing Letters, 1998, 67, 125-130.	0.4	23
101	Governmental failures in evaluating programs. Public Choice, 1998, 94, 105-115.	1.0	2
102	The scheduling of maintenance service. Discrete Applied Mathematics, 1998, 82, 27-42.	0.5	92
103	Approximation algorithms for minimum tree partition. Discrete Applied Mathematics, 1998, 87, 117-137.	0.5	11
104	Approximation algorithms for min-sum p-clustering. Discrete Applied Mathematics, 1998, 89, 125-142.	0.5	39
105	Optimal allocation of quotas. Economics Letters, 1998, 58, 55-61.	0.9	1
106	On Local Search for Weighted $k$ -Set Packing. Mathematics of Operations Research, 1998, 23, 640-648.	0.8	90
107	Equilibrium Threshold Strategies: The Case of Queues with Priorities. Operations Research, 1997, 45, 966-973.	1.2	105
108	Approximation algorithms for maximum dispersion. Operations Research Letters, 1997, 21, 133-137.	0.5	142

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109	Restricted delivery problems on a network. <i>Networks</i> , 1997, 29, 205-216.	1.6	25
110	Approximation Algorithms for Min-Max Tree Partition. <i>Journal of Algorithms</i> , 1997, 24, 266-286.	0.9	15
111	An approximation algorithm for maximum packing of 3-edge paths. <i>Information Processing Letters</i> , 1997, 63, 63-67.	0.4	24
112	Restricted delivery problems on a network. , 1997, 29, 205.		1
113	A Flow Algorithm for Network Synchronization. <i>Operations Research</i> , 1996, 44, 570-579.	1.2	7
114	On the Advantage of Being the First Server. <i>Management Science</i> , 1996, 42, 618-623.	2.4	40
115	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
116	On the minimum diameter spanning tree problem. <i>Information Processing Letters</i> , 1995, 53, 109-111.	0.4	86
117	Equilibrium strategies for queues with impatient customers. <i>Operations Research Letters</i> , 1995, 17, 41-45.	0.5	58
118	Optimal separable partitioning in the plane. <i>Discrete Applied Mathematics</i> , 1995, 59, 215-224.	0.5	1
119	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
120	Approximations for the maximum acyclic subgraph problem. <i>Information Processing Letters</i> , 1994, 51, 133-140.	0.4	55
121	Maximizing the number of unused colors in the vertex coloring problem. <i>Information Processing Letters</i> , 1994, 52, 87-90.	0.4	27
122	Approximation algorithms for the geometric covering salesman problem. <i>Discrete Applied Mathematics</i> , 1994, 55, 197-218.	0.5	248
123	Mean Passage Times and Nearly Uncoupled Markov Chains. <i>SIAM Journal on Discrete Mathematics</i> , 1992, 5, 386-397.	0.4	34
124	Approximation Schemes for the Restricted Shortest Path Problem. <i>Mathematics of Operations Research</i> , 1992, 17, 36-42.	0.8	461
125	Algorithms for the minimum cost circulation problem based on maximizing the mean improvement. <i>Operations Research Letters</i> , 1992, 12, 227-233.	0.5	10
126	Asymptotic analysis of dichotomous search with search and travel costs. <i>European Journal of Operational Research</i> , 1992, 58, 78-89.	3.5	4



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127	Exact Computation of Optimal Inventory Policies Over an Unbounded Horizon. Mathematics of Operations Research, 1991, 16, 534-546.	0.8	19
128	Approximation algorithms for hitting objects with straight lines. Discrete Applied Mathematics, 1991, 30, 29-42.	0.5	73
129	Multiterminal xcut problems. Annals of Operations Research, 1991, 33, 215-225.	2.6	6
130	Optimal sales to users who hold inventory. Economics Letters, 1990, 34, 215-220.	0.9	3
131	OPTIMAL CONTESTS. Economic Inquiry, 1988, 26, 133-143.	1.0	133
132	Probabilistic Analysis of the Capacitated Transportation Problem. Mathematics of Operations Research, 1988, 13, 80-89.	0.8	22
133	Solution Bases of Multiterminal Cut Problems. Mathematics of Operations Research, 1988, 13, 535-542.	0.8	20
134	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
135	Consumer Information in Markets with Random Product Quality: The Case of Queues and Balking. Econometrica, 1986, 54, 1185.	2.6	152
136	Multi-terminal maximum flows in node-capacitated networks. Discrete Applied Mathematics, 1986, 13, 157-163.	0.5	22
137	Stable priority purchasing in queues. Operations Research Letters, 1986, 4, 285-288.	0.5	69
138	Control of arrivals and departures in a state-dependent input-output system. Operations Research Letters, 1986, 5, 33-36.	0.5	8
139	On Shortest Paths in Graphs with Random Weights. Mathematics of Operations Research, 1985, 10, 557-564.	0.8	50
140	On the Optimality of First Come Last Served Queues. Econometrica, 1985, 53, 201.	2.6	72
141	An optimal algorithm for finding all the jumps of a monotone step-function. Journal of Algorithms, 1985, 6, 265-274.	0.9	7
142	An $O(n \log^2 n)$ Algorithm for Maximum Flow in Undirected Planar Networks. SIAM Journal on Computing, 1985, 14, 612-624.	0.8	53
143	On multicommodity flows in planar graphs. Networks, 1984, 14, 225-235.	1.6	22
144	A Dichotomous Search for a Geometric Random Variable. Operations Research, 1984, 32, 423-439.	1.2	30

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145	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
146	?/M/1: On the equilibrium distribution of customer arrivals. <i>European Journal of Operational Research</i> , 1983, 13, 146-150.	3.5	64
147	The economics of cheating in the taxi market. <i>Transportation Research Part A: Policy and Practice</i> , 1983, 17, 25-31.	0.3	9
148	On the economics of subscriptions. <i>European Economic Review</i> , 1982, 19, 343-356.	1.2	20
149	Minimum cost flow with set-constraints. <i>Networks</i> , 1982, 12, 1-21.	1.6	51
150	Generalizations of Hoffman's existence theorem for circulations. <i>Networks</i> , 1981, 11, 243-254.	1.6	4
151	Hide or Advertise: The Carrier's Choice of Waiting Time Information Strategies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
152	Strategic behavior in queues with arrival rate uncertainty. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
153	Profit maximization and cost balancing in queueing systems. <i>Queueing Systems</i> , 0, , 1.	0.6	0