

David F Manlove

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,576
citations

172207

29
h-index

205818

48
g-index

82
all docs

82
docs citations

82
times ranked

933
citing authors

#	ARTICLE	IF	CITATIONS
1	Hard variants of stable marriage. <i>Theoretical Computer Science</i> , 2002, 276, 261-279.	0.5	227
2	The b-chromatic number of a graph. <i>Discrete Applied Mathematics</i> , 1999, 91, 127-141.	0.5	198
3	The College Admissions problem with lower and common quotas. <i>Theoretical Computer Science</i> , 2010, 411, 3136-3153.	0.5	123
4	Two algorithms for the Student-Project Allocation problem. <i>Journal of Discrete Algorithms</i> , 2007, 5, 73-90.	0.7	96
5	Stable Marriage with Incomplete Lists and Ties. <i>Lecture Notes in Computer Science</i> , 1999, , 443-452.	1.0	90
6	The Stable Roommates Problem with Ties. <i>Journal of Algorithms</i> , 2002, 43, 85-105.	0.9	81
7	On the approximability of the maximum induced matching problem. <i>Journal of Discrete Algorithms</i> , 2005, 3, 79-91.	0.7	71
8	Building Kidney Exchange Programmes in Europe – An Overview of Exchange Practice and Activities. <i>Transplantation</i> , 2019, 103, 1514-1522.	0.5	71
9	The Hospitals/Residents Problem with Ties. <i>Lecture Notes in Computer Science</i> , 2000, , 259-271.	1.0	62
10	The stable marriage problem with master preference lists. <i>Discrete Applied Mathematics</i> , 2008, 156, 2959-2977.	0.5	59
11	Approximability results for stable marriage problems with ties. <i>Theoretical Computer Science</i> , 2003, 306, 431-447.	0.5	57
12	Pareto Optimality in House Allocation Problems. <i>Lecture Notes in Computer Science</i> , 2004, , 3-15.	1.0	48
13	MAXIMUM WEIGHT CYCLE PACKING IN DIRECTED GRAPHS, WITH APPLICATION TO KIDNEY EXCHANGE PROGRAMS. <i>Discrete Mathematics, Algorithms and Applications</i> , 2009, 01, 499-517.	0.4	48
14	Stable marriage with ties and bounded length preference lists. <i>Journal of Discrete Algorithms</i> , 2009, 7, 213-219.	0.7	48
15	Size versus stability in the marriage problem. <i>Theoretical Computer Science</i> , 2010, 411, 1828-1841.	0.5	46
16	The structure of stable marriage with indifference. <i>Discrete Applied Mathematics</i> , 2002, 122, 167-181.	0.5	44
17	Popular Matchings in the Marriage and Roommates Problems. <i>Lecture Notes in Computer Science</i> , 2010, , 97-108.	1.0	43
18	Student-Project Allocation with preferences over Projects. <i>Journal of Discrete Algorithms</i> , 2008, 6, 553-560.	0.7	42

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19	Modelling and optimisation in European Kidney Exchange Programmes. European Journal of Operational Research, 2021, 291, 447-456.	3.5	42
20	Keeping partners together: algorithmic results for the hospitals/residents problem with couples. Journal of Combinatorial Optimization, 2010, 19, 279-303.	0.8	39
21	Vertex and edge covers with clustering properties: Complexity and algorithms. Journal of Discrete Algorithms, 2009, 7, 149-167.	0.7	37
22	Strong Stability in the Hospitals/Residents Problem. Lecture Notes in Computer Science, 2003, , 439-450.	1.0	36
23	On the algorithmic complexity of twelve covering and independence parameters of graphs. Discrete Applied Mathematics, 1999, 91, 155-175.	0.5	35
24	Pareto Optimality in House Allocation Problems. Lecture Notes in Computer Science, 2005, , 1163-1175.	1.0	32
25	Efficient algorithms for generalized Stable Marriage and Roommates problems. Theoretical Computer Science, 2007, 381, 162-176.	0.5	32
26	Paired and Altruistic Kidney Donation in the UK. Journal of Experimental Algorithmics, 2015, 19, 1-21.	0.7	32
27	Approximation algorithms for hard variants of the stable marriage and hospitals/residents problems. Journal of Combinatorial Optimization, 2008, 16, 279-292.	0.8	31
28	Position-Indexed Formulations for Kidney Exchange. , 2016, , .		29
29	Popular matchings in the weighted capacitated house allocation problem. Journal of Discrete Algorithms, 2010, 8, 102-116.	0.7	28
30	“Almost Stable” Matchings in the Roommates Problem. Lecture Notes in Computer Science, 2006, , 1-14.	1.0	28
31	Mathematical models for stable matching problems with ties and incomplete lists. European Journal of Operational Research, 2019, 277, 426-441.	3.5	26
32	A Constraint Programming Approach to the Stable Marriage Problem. Lecture Notes in Computer Science, 2001, , 225-239.	1.0	26
33	Paired and Altruistic Kidney Donation in the UK: Algorithms and Experimentation. Lecture Notes in Computer Science, 2012, , 271-282.	1.0	26
34	Finding large stable matchings. Journal of Experimental Algorithmics, 2009, 14, .	0.7	24
35	The Stable Roommates Problem with Globally Ranked Pairs. Internet Mathematics, 2008, 5, 493-515.	0.7	23
36	The exchange-stable marriage problem. Discrete Applied Mathematics, 2005, 152, 109-122.	0.5	22

#	ARTICLE	IF	CITATIONS
37	Size versus truthfulness in the house allocation problem. , 2014, , .		20
38	“Almost stable” matchings in the Roommates problem with bounded preference lists. Theoretical Computer Science, 2012, 432, 10-20.	0.5	19
39	An Integer Programming Approach to the Hospitals/Residents Problem with Ties. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2014, , 263-269.	0.1	18
40	Stable Marriage and Roommates problems with restricted edges: Complexity and approximability. Discrete Optimization, 2016, 20, 62-89.	0.6	16
41	“Almost-stable” matchings in the Hospitals / Residents problem with Couples. Constraints, 2017, 22, 50-72.	0.4	16
42	The Hospitals / Residents Problem with Couples: Complexity and Integer Programming Models. Lecture Notes in Computer Science, 2014, , 10-21.	1.0	16
43	Profile-Based Optimal Matchings in the Student/Project Allocation Problem. Lecture Notes in Computer Science, 2015, , 213-225.	1.0	14
44	A Constraint Programming Approach to the Hospitals / Residents Problem. Lecture Notes in Computer Science, 2007, , 155-170.	1.0	14
45	The Stable Roommates Problem with Globally-Ranked Pairs. , 2007, , 431-444.		13
46	Pareto Optimal Matchings in Many-to-Many Markets with Ties. Theory of Computing Systems, 2016, 59, 700-721.	0.7	11
47	Improved instance generation for kidney exchange programmes. Computers and Operations Research, 2022, 141, 105707.	2.4	10
48	Super-stability in the student-project allocation problem with ties. Journal of Combinatorial Optimization, 2022, 43, 1203-1239.	0.8	9
49	Hospitals/Residents Problem. , 2008, , 390-394.		9
50	Modelling practical placement of trainee teachers to schools. Central European Journal of Operations Research, 2015, 23, 547-562.	1.1	8
51	Stable matchings of teachers to schools. Theoretical Computer Science, 2016, 653, 15-25.	0.5	8
52	Size Versus Truthfulness in the House Allocation Problem. Algorithmica, 2019, 81, 3422-3463.	1.0	8
53	The Stable Roommates Problem with Short Lists. Theory of Computing Systems, 2019, 63, 128-149.	0.7	7
54	An Integer Programming Approach to the Student-Project Allocation Problem with Preferences over Projects. Lecture Notes in Computer Science, 2018, , 313-325.	1.0	7

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55	Matchings with Lower Quotas: Algorithms and Complexity. <i>Algorithmica</i> , 2018, 80, 185-208.	1.0	6
56	Pareto optimal matchings of students to courses in the presence of prerequisites. <i>Discrete Optimization</i> , 2018, 29, 174-195.	0.6	6
57	Combined super-/substring and super-/subsequence problems. <i>Theoretical Computer Science</i> , 2004, 320, 247-267.	0.5	5
58	An algorithm for a super-stable roommates problem. <i>Theoretical Computer Science</i> , 2011, 412, 7059-7065.	0.5	5
59	The Joy of Matching. <i>IEEE Intelligent Systems</i> , 2013, 28, 81-85.	4.0	4
60	Improving solution times for stable matching problems through preprocessing. <i>Computers and Operations Research</i> , 2021, 128, 105128.	2.4	4
61	Student-project allocation with preferences over projects: Algorithmic and experimental results. <i>Discrete Applied Mathematics</i> , 2020, 308, 220-220.	0.5	3
62	Stability in the hospitals/residents problem with couples and ties: Mathematical models and computational studies. <i>Omega</i> , 2021, 103, 102386.	3.6	3
63	Algorithmic aspects of upper edge domination. <i>Theoretical Computer Science</i> , 2021, 877, 46-57.	0.5	3
64	Pareto Optimal Matchings in Many-to-Many Markets with Ties. <i>Lecture Notes in Computer Science</i> , 2015, , 27-39.	1.0	3
65	An Algorithm for Strong Stability in the Student-Project Allocation Problem with Ties. <i>Lecture Notes in Computer Science</i> , 2020, , 384-399.	1.0	3
66	Guest Editorial: Special Issue on Matching Under Preferences. <i>Algorithmica</i> , 2010, 58, 1-4.	1.0	2
67	A General Framework for Stable Roommates Problems using Answer Set Programming. <i>Theory and Practice of Logic Programming</i> , 2020, 20, 911-925.	1.1	2
68	Data and optimisation requirements for Kidney Exchange Programs. <i>Health Informatics Journal</i> , 2021, 27, 146045822110099.	1.1	2
69	An $\frac{8}{5}$ -Approximation Algorithm for a Hard Variant of Stable Marriage. <i>Lecture Notes in Computer Science</i> , 2007, , 548-558.	1.0	2
70	The Hospitals/Residents Problem. , 2015, , 1-6.		2
71	The Three-Dimensional Stable Roommates Problem with Additively Separable Preferences. <i>Lecture Notes in Computer Science</i> , 2021, , 266-280.	1.0	1
72	Hospitals/Residents Problem. , 2016, , 926-930.		1

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73	Size Versus Stability in the Marriage Problem. Lecture Notes in Computer Science, 2009, , 15-28.	1.0	1
74	Stable Marriage and Roommates Problems with Restricted Edges: Complexity and Approximability. Lecture Notes in Computer Science, 2015, , 15-26.	1.0	1
75	Many-to-one Matchings with Lower Quotas: Algorithms and Complexity. Lecture Notes in Computer Science, 2015, , 176-187.	1.0	1
76	Editorial: Special Issue on Matching under Preferences. Algorithms, 2014, 7, 203-205.	1.2	0
77	An Integer Programming Model for the Hospitals/Residents Problem with Couples. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2014, , 293-299.	0.1	0
78	The Stable Roommates Problem with Short Lists. Lecture Notes in Computer Science, 2016, , 207-219.	1.0	0