David F Manlove

List of Publications by Year
in descending order

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	Super-stability in the student-project allocation problem with ties. Journal of Combinatorial Optimization, 2022, 43, 1203-1239.	0.8	9
2	Improved instance generation for kidney exchange programmes. Computers and Operations Research, 2022, 141, 105707.	2.4	10
3	Stability in the hospitals/residents problem with couples and ties: Mathematical models and computational studies. Omega, 2021, 103, 102386.	3.6	3
4	Improving solution times for stable matching problems through preprocessing. Computers and Operations Research, 2021, 128, 105128.	2.4	4
5	Modelling and optimisation in European Kidney Exchange Programmes. European Journal of Operational Research, 2021, 291, 447-456.	3.5	42
6	Data and optimisation requirements for Kidney Exchange Programs. Health Informatics Journal, 2021, 27, 146045822110099.	1.1	2
7	Algorithmic aspects of upper edge domination. Theoretical Computer Science, 2021, 877, 46-57.	0.5	3
8	The Three-Dimensional Stable Roommates Problem with Additively Separable Preferences. Lecture Notes in Computer Science, 2021, , 266-280.	1.0	1
9	Student-project allocation with preferences over projects: Algorithmic and experimental results. Discrete Applied Mathematics, 2020, 308, 220-220.	0.5	3
10	A General Framework for Stable Roommates Problems using Answer Set Programming. Theory and Practice of Logic Programming, 2020, 20, 911-925.	1.1	2
11	An Algorithm for Strong Stability in the Student-Project Allocation Problem with Ties. Lecture Notes in Computer Science, 2020, , 384-399.	1.0	3
12	Size Versus Truthfulness in the House Allocation Problem. Algorithmica, 2019, 81, 3422-3463.	1.0	8
13	Building Kidney Exchange Programmes in Europe—An Overview of Exchange Practice and Activities. Transplantation, 2019, 103, 1514-1522.	0.5	71
14	Mathematical models for stable matching problems with ties and incomplete lists. European Journal of Operational Research, 2019, 277, 426-441.	3.5	26
15	The Stable Roommates Problem with Short Lists. Theory of Computing Systems, 2019, 63, 128-149.	0.7	7
16	Matchings with Lower Quotas: Algorithms and Complexity. Algorithmica, 2018, 80, 185-208.	1.0	6
17	Pareto optimal matchings of students to courses in the presence of prerequisites. Discrete Optimization, 2018, 29, 174-195.	0.6	6
18	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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19	"Almost-stable" matchings in the Hospitals / Residents problem with Couples. Constraints, 2017, 22, 50-72.	0.4	16
20	Position-Indexed Formulations for Kidney Exchange. , 2016, , .		29
21	Stable matchings of teachers to schools. Theoretical Computer Science, 2016, 653, 15-25.	0.5	8
22	Stable Marriage and Roommates problems with restricted edges: Complexity and approximability. Discrete Optimization, 2016, 20, 62-89.	0.6	16
23	Pareto Optimal Matchings in Many-to-Many Markets with Ties. Theory of Computing Systems, 2016, 59, 700-721.	0.7	11
24	Hospitals/Residents Problem. , 2016, , 926-930.		1
25	The Stable Roommates Problem with Short Lists. Lecture Notes in Computer Science, 2016, , 207-219.	1.0	0
26	Paired and Altruistic Kidney Donation in the UK. Journal of Experimental Algorithmics, 2015, 19, 1-21.	0.7	32
27	Modelling practical placement of trainee teachers to schools. Central European Journal of Operations Research, 2015, 23, 547-562.	1.1	8
28	Profile-Based Optimal Matchings in the Student/Project Allocation Problem. Lecture Notes in Computer Science, 2015, , 213-225.	1.0	14
29	The Hospitals/Residents Problem. , 2015, , 1-6.		2
30	Stable Marriage and Roommates Problems with Restricted Edges: Complexity and Approximability. Lecture Notes in Computer Science, 2015, , 15-26.	1.0	1
31	Pareto Optimal Matchings in Many-to-Many Markets with Ties. Lecture Notes in Computer Science, 2015, , 27-39.	1.0	3
32	Many-to-one Matchings with Lower Quotas: Algorithms and Complexity. Lecture Notes in Computer Science, 2015, , 176-187.	1.0	1
33	Editorial: Special Issue on Matching under Preferences. Algorithms, 2014, 7, 203-205.	1.2	0
34	Size versus truthfulness in the house allocation problem. , 2014, , .		20
35	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
36	The Hospitals / Residents Problem with Couples: Complexity and Integer Programming Models. Lecture Notes in Computer Science, 2014, , 10-21.	1.0	16

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37	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
38	The Joy of Matching. IEEE Intelligent Systems, 2013, 28, 81-85.	4.0	4
39	â€œAlmost stableâ€•matchings in the Roommates problem with bounded preference lists. Theoretical Computer Science, 2012, 432, 10-20.	0.5	19
40	Paired and Altruistic Kidney Donation in the UK: Algorithms and Experimentation. Lecture Notes in Computer Science, 2012, , 271-282.	1.0	26
41	An algorithm for a super-stable roommates problem. Theoretical Computer Science, 2011, 412, 7059-7065.	0.5	5
42	Size versus stability in the marriage problem. Theoretical Computer Science, 2010, 411, 1828-1841.	0.5	46
43	Guest Editorial: Special Issue on Matching Under Preferences. Algorithmica, 2010, 58, 1-4.	1.0	2
44	Keeping partners together: algorithmic results for the hospitals/residents problem with couples. Journal of Combinatorial Optimization, 2010, 19, 279-303.	0.8	39
45	Popular matchings in the weighted capacitated house allocation problem. Journal of Discrete Algorithms, 2010, 8, 102-116.	0.7	28
46	The College Admissions problem with lower and common quotas. Theoretical Computer Science, 2010, 411, 3136-3153.	0.5	123
47	Popular Matchings in the Marriage and Roommates Problems. Lecture Notes in Computer Science, 2010, , 97-108.	1.0	43
48	MAXIMUM WEIGHT CYCLE PACKING IN DIRECTED GRAPHS, WITH APPLICATION TO KIDNEY EXCHANGE PROGRAMS. Discrete Mathematics, Algorithms and Applications, 2009, 01, 499-517.	0.4	48
49	Finding large stable matchings. Journal of Experimental Algorithmics, 2009, 14, .	0.7	24
50	Stable marriage with ties and bounded length preference lists. Journal of Discrete Algorithms, 2009, 7, 213-219.	0.7	48
51	Vertex and edge covers with clustering properties: Complexity and algorithms. Journal of Discrete Algorithms, 2009, 7, 149-167.	0.7	37
52	Size Versus Stability in the Marriage Problem. Lecture Notes in Computer Science, 2009, , 15-28.	1.0	1
53	Approximation algorithms for hard variants of the stable marriage and hospitals/residents problems. Journal of Combinatorial Optimization, 2008, 16, 279-292.	0.8	31
54	Student-Project Allocation with preferences over Projects. Journal of Discrete Algorithms, 2008, 6, 553-560.	0.7	42

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55	The stable marriage problem with master preference lists. Discrete Applied Mathematics, 2008, 156, 2959-2977.	0.5	59
56	The Stable Roommates Problem with Globally Ranked Pairs. Internet Mathematics, 2008, 5, 493-515.	0.7	23
57	Hospitals/Residents Problem. , 2008, , 390-394.		9
58	Efficient algorithms for generalized Stable Marriage and Roommates problems. Theoretical Computer Science, 2007, 381, 162-176.	0.5	32
59	Two algorithms for the Student-Project Allocation problem. Journal of Discrete Algorithms, 2007, 5, 73-90.	0.7	96
60	A Constraint Programming Approach to the Hospitals / Residents Problem. Lecture Notes in Computer Science, 2007, , 155-170.	1.0	14
61	An $\rac{8}{5}$ -Approximation Algorithm for a Hard Variant of Stable Marriage. Lecture Notes in Computer Science, 2007, , 548-558.	1.0	2
62	The Stable Roommates Problem with Globally-Ranked Pairs. , 2007, , 431-444.		13
63	â€œAlmost Stableâ€•Matchings in the Roommates Problem. Lecture Notes in Computer Science, 2006, , 1-14.	1.0	28
64	On the approximability of the maximum induced matching problem. Journal of Discrete Algorithms, 2005, 3, 79-91.	0.7	71
65	The exchange-stable marriage problem. Discrete Applied Mathematics, 2005, 152, 109-122.	0.5	22
66	Pareto Optimality in House Allocation Problems. Lecture Notes in Computer Science, 2005, , 1163-1175.	1.0	32
67	Combined super-/substring and super-/subsequence problems. Theoretical Computer Science, 2004, 320, 247-267.	0.5	5
68	Pareto Optimality in House Allocation Problems. Lecture Notes in Computer Science, 2004, , 3-15.	1.0	48
69	Approximability results for stable marriage problems with ties. Theoretical Computer Science, 2003, 306, 431-447.	0.5	57
70	Strong Stability in the Hospitals/Residents Problem. Lecture Notes in Computer Science, 2003, , 439-450.	1.0	36
71	The Stable Roommates Problem with Ties. Journal of Algorithms, 2002, 43, 85-105.	0.9	81
72	The structure of stable marriage with indifference. Discrete Applied Mathematics, 2002, 122, 167-181.	0.5	44

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73	Hard variants of stable marriage. Theoretical Computer Science, 2002, 276, 261-279.	0.5	227
74	A Constraint Programming Approach to the Stable Marriage Problem. Lecture Notes in Computer Science, 2001, , 225-239.	1.0	26
75	The Hospitals/Residents Problem with Ties. Lecture Notes in Computer Science, 2000, , 259-271.	1.0	62
76	The b-chromatic number of a graph. Discrete Applied Mathematics, 1999, 91, 127-141.	0.5	198
77	On the algorithmic complexity of twelve covering and independence parameters of graphs. Discrete Applied Mathematics, 1999, 91, 155-175.	0.5	35
78	Stable Marriage with Incomplete Lists and Ties. Lecture Notes in Computer Science, 1999, , 443-452.	1.0	90