Peter Biro

List of Publications by Year
in descending order

47 papers	866 citations	516710 16 h-index	526287 27 g-index
48 all docs	48 docs citations	48 times ranked	477 citing authors

#	Article	IF	Citations
1	The College Admissions problem with lower and common quotas. Theoretical Computer Science, 2010, 411, 3136-3153.	0.9	123
2	Building Kidney Exchange Programmes in Europe—An Overview of Exchange Practice and Activities. Transplantation, 2019, 103, 1514-1522.	1.0	71
3	MAXIMUM WEIGHT CYCLE PACKING IN DIRECTED GRAPHS, WITH APPLICATION TO KIDNEY EXCHANGE PROGRAMS. Discrete Mathematics, Algorithms and Applications, 2009, 01, 499-517.	0.6	48
4	Three-Sided Stable Matchings with Cyclic Preferences. Algorithmica, 2010, 58, 5-18.	1.3	48
5	Size versus stability in the marriage problem. Theoretical Computer Science, 2010, 411, 1828-1841.	0.9	46
6	Popular Matchings in the Marriage and Roommates Problems. Lecture Notes in Computer Science, 2010, , 97-108.	1.3	43
7	Modelling and optimisation in European Kidney Exchange Programmes. European Journal of Operational Research, 2021, 291, 447-456.	5.7	42
8	Computing solutions for matching games. International Journal of Game Theory, 2012, 41, 75-90.	0.5	39
9	"Almost Stable" Matchings in the Roommates Problem. Lecture Notes in Computer Science, 2006, , 1-14.	1.3	28
10	Stable matching with couples. Journal of Experimental Algorithmics, 2011, 16, .	1.0	26
11	MATCHING WITH COUPLES: A MULTIDISCIPLINARY SURVEY. International Game Theory Review, 2013, 15, 1340008.	0.5	25
12	College admissions with stable score-limits. Central European Journal of Operations Research, 2015, 23, 727-741.	1.8	20
13	Integer programming methods for special college admissions problems. Journal of Combinatorial Optimization, 2016, 32, 1371-1399.	1.3	20
14	Stable Matching with Uncertain Linear Preferences. Algorithmica, 2020, 82, 1410-1433.	1.3	20
15	"Almost stable" matchings in the Roommates problem with bounded preference lists. Theoretical Computer Science, 2012, 432, 10-20.	0.9	19
16	Analysis of stochastic matching markets. International Journal of Game Theory, 2013, 42, 1021-1040.	0.5	18
17	The dynamics of stable matchings and half-matchings for the stable marriage and roommates problems. International Journal of Game Theory, 2008, 36, 333-352.	0.5	16
18	The Hospitals / Residents Problem with Couples: Complexity and Integer Programming Models. Lecture Notes in Computer Science, 2014, , 10-21.	1.3	16

#	ARTICLE	IF	CITATIONS
19	Inapproximability of the kidney exchange problem. Information Processing Letters, 2007, 101, 199-202.	0.6	15
20	Matching with sizes (or scheduling with processing set restrictions). Discrete Applied Mathematics, 2014, 164, 61-67.	0.9	15
21	A new solution concept for the roommate problem:Q-stable matchings. Mathematical Social Sciences, 2016, 79, 74-82.	0.5	15
22	Solutions for the stable roommates problem with payments. Theoretical Computer Science, 2014, 540-541, 53-61.	0.9	14
23	Efficient reallocation under additive and responsive preferences. Theoretical Computer Science, 2019, 790, 1-15.	0.9	13
24	Stable project allocation under distributional constraints. Operations Research Perspectives, 2018, 5, 59-68.	2.1	12
25	JOINT OPTIMIZATION OF TRANSITION RULES AND THE PREMIUM SCALE IN A BONUS-MALUS SYSTEM. ASTIN Bulletin, 2020, 50, 743-776.	1.0	12
26	Complexity of finding Pareto-efficient allocations of highest welfare. European Journal of Operational Research, 2021, 291, 614-628.	5.7	12
27	IP solutions for international kidney exchange programmes. Central European Journal of Operations Research, 2021, 29, 403-423.	1.8	11
28	Stable Matching with Uncertain LinearÂPreferences. Lecture Notes in Computer Science, 2016, , 195-206.	1.3	11
29	Fractional solutions for capacitated NTU-games, with applications to stable matchings. Discrete Optimization, 2016, 22, 241-254.	0.9	10
30	Solutions for the Stable Roommates Problem with Payments. Lecture Notes in Computer Science, 2012, , 69-80.	1.3	9
31	Pareto optimal allocation under uncertain preferences: uncertainty models, algorithms, and complexity. Artificial Intelligence, 2019, 276, 57-78.	5.8	8
32	Matching couples with Scarfâ€™s algorithm. Annals of Mathematics and Artificial Intelligence, 2016, 77, 303-316.	1.3	6
33	The Effect of Welding on the One-Dimensional Cutting-Stock Problem: The Case of Fixed Firefighting Systems in the Construction Industry. Advances in Operations Research, 2019, 2019, 1-12.	0.4	6
34	Fair apportionment in the view of the Venice Commissionâ€™s recommendation. Mathematical Social Sciences, 2015, 77, 32-41.	0.5	5
35	The stable fixtures problem with payments. Games and Economic Behavior, 2018, 108, 245-268.	0.8	5
36	Matching with sizes (or scheduling with processing set restrictions). Electronic Notes in Discrete Mathematics, 2010, 36, 335-342.	0.4	4

#	Article	IF	Citations
37	Integer Programming Methods for Special College Admissions Problems. Lecture Notes in Computer Science, 2014, , 429-443.	1.3	4
38	The integral stable allocation problem on graphs. Discrete Optimization, 2010, 7, 64-73.	0.9	3
39	College admissions with ties and common quotas: Integer programming approach. European Journal of Operational Research, 2022, 299, 722-734.	5.7	3
40	On Solution Concepts for Matching Games. Lecture Notes in Computer Science, 2010, , 117-127.	1.3	3
41	Size Versus Stability in the Marriage Problem. Lecture Notes in Computer Science, 2009, , 15-28.	1.3	1
42	Editorial: Special Issue on Matching under Preferences. Algorithms, 2014, 7, 203-205.	2.1	0
43	College admission problem for university dual education. , 2019, , .		0
44	The Stable Fixtures Problem with Payments. Lecture Notes in Computer Science, 2016, , 49-63.	1.3	0
45	Modelling Preference Ties And Equal Treatment Policy. , 2017, , .		0
46	Engineering Design of Matching Markets. Studies in Economic Design, 2019, , 451-460.	0.0	0
47	Database model for kidney exchange programmes simulation tool. , 2021, , .		0