Yang Cai

List of Publications by Year
in descending order

37	651	2258059	2053705
papers	citations	3	5
		h-index	g-index

37	37	37	167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computing simple mechanisms: Lift-and-round over marginal reduced forms. , 2022, , .		2
2	Recommender Systems meet Mechanism Design. , 2022, , .		0
3	Is Selling Complete Information (Approximately) Optimal?. , 2022, , .		0
4	A Duality-Based Unified Approach to Bayesian Mechanism Design. SIAM Journal on Computing, 2021, 50, STOC16-160-STOC16-200.	1.0	6
5	On Multi-Dimensional Gains from Trade Maximization. , 2021, , 1079-1098.		4
6	On Simple Mechanisms for Dependent Items. , 2021, , .		4
7	An Efficient ϵ-BIC to BIC Transformation and Its Application to Black-Box Reduction in Revenue Maximization. , 2021, , 1337-1356.		6
8	Multi-Item Mechanisms without Item-Independence: Learnability via Robustness. , 2020, , .		13
9	Third-Party Data Providers Ruin Simple Mechanisms. Proceedings of the ACM on Measurement and Analysis of Computing Systems, 2020, 4, 1-31.	1.8	3
10	Third-Party Data Providers Ruin Simple Mechanisms. , 2020, , .		1
11	Simple mechanisms for subadditive buyers via duality. , 2019, 17, 39-53.		2
12	Simple Mechanisms for Profit Maximization in Multi-item Auctions. , 2019, , .		1
13	Simple and Approximately Optimal Pricing for Proportional Complementarities. , 2019, , .		0
14	The Best of Both Worlds. , 2018, , .		7
15	Simple mechanisms for subadditive buyers via duality. , 2017, , .		63
16	Learning Multi-Item Auctions with (or without) Samples. , 2017, , .		23
17	Approximating Gains from Trade in Two-sided Markets via Simple Mechanisms. , 2017, , .		21
18	Reducing Bayesian Mechanism Design to Algorithm Design. , 2016, , 1801-1808.		0

#	ARTICLE	IF	CITATIONS
19	A duality based unified approach to Bayesian mechanism design. , 2016, , .		49
20	A duality-based unified approach to Bayesian mechanism design. , 2016, 15, 71-77.		8
21	Zero-Sum Polymatrix Games: A Generalization of Minmax. Mathematics of Operations Research, 2016, 41, 648-655.	1.3	23
22	On the Economic Efficiency of the Combinatorial Clock Auction. , 2016, , .		1
23	Extreme value theorems for optimal multidimensional pricing. Games and Economic Behavior, 2015, 92, 266-305.	0.8	11
24	Reducing Bayesian Mechanism Design to Algorithm Design. , 2015, , 1-9.		1
25	Welfare and Rationality Guarantees for the Simultaneous Multiple-Round Ascending Auction. Lecture Notes in Computer Science, 2015, , 216-229.	1.3	3
26	Simultaneous bayesian auctions and computational complexity. , 2014, , .		27
27	Understanding Incentives: Mechanism Design Becomes Algorithm Design. , 2013, , .		47
28	Simple and Nearly Optimal Multi-Item Auctions. , 2013, , .		13
29	Reducing Revenue to Welfare Maximization: Approximation Algorithms and other Generalizations. , 2013, , .		25
30	An algorithmic characterization of multi-dimensional mechanisms. , 2012, , .		85
31	Optimal Multi-dimensional Mechanism Design: Reducing Revenue to Welfare Maximization. , 2012, , .		93
32	Extreme-Value Theorems for Optimal Multidimensional Pricing. , 2011, , .		34
33	On Minmax Theorems for Multiplayer Games. , 2011, , .		24
34	On optimal multidimensional mechanism design. , 2011, 10, 29-33.		15
35	Api hyperlinking via structural overlap. , 2009, , .		26
36	An Improved Lower Bound for the Complementation of Rabin Automata. , 2009, , .		9

#	ARTICLE	IF	CITATIONS
37	Can Nondeterminism Help Complementation?. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 96, 57-70.	0.8	1