

Yang Cai

List of Publications by Year in descending order

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37
papers

651
citations

2258059

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2053705

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37
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times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Multi-dimensional Mechanism Design: Reducing Revenue to Welfare Maximization. , 2012, , .		93
2	An algorithmic characterization of multi-dimensional mechanisms. , 2012, , .		85
3	Simple mechanisms for subadditive buyers via duality. , 2017, , .		63
4	A duality based unified approach to Bayesian mechanism design. , 2016, , .		49
5	Understanding Incentives: Mechanism Design Becomes Algorithm Design. , 2013, , .		47
6	Extreme-Value Theorems for Optimal Multidimensional Pricing. , 2011, , .		34
7	Simultaneous bayesian auctions and computational complexity. , 2014, , .		27
8	Api hyperlinking via structural overlap. , 2009, , .		26
9	Reducing Revenue to Welfare Maximization: Approximation Algorithms and other Generalizations. , 2013, , .		25
10	On Minmax Theorems for Multiplayer Games. , 2011, , .		24
11	Zero-Sum Polymatrix Games: A Generalization of Minmax. Mathematics of Operations Research, 2016, 41, 648-655.	1.3	23
12	Learning Multi-Item Auctions with (or without) Samples. , 2017, , .		23
13	Approximating Gains from Trade in Two-sided Markets via Simple Mechanisms. , 2017, , .		21
14	On optimal multidimensional mechanism design. , 2011, 10, 29-33.		15
15	Simple and Nearly Optimal Multi-Item Auctions. , 2013, , .		13
16	Multi-Item Mechanisms without Item-Independence: Learnability via Robustness. , 2020, , .		13
17	Extreme value theorems for optimal multidimensional pricing. Games and Economic Behavior, 2015, 92, 266-305.	0.8	11
18	An Improved Lower Bound for the Complementation of Rabin Automata. , 2009, , .		9

#	ARTICLE	IF	CITATIONS
19	A duality-based unified approach to Bayesian mechanism design. , 2016, 15, 71-77.		8
20	The Best of Both Worlds. , 2018, , .		7
21	A Duality-Based Unified Approach to Bayesian Mechanism Design. SIAM Journal on Computing, 2021, 50, STOC16-160-STOC16-200.	1.0	6
22	An Efficient $\hat{\Sigma}$ -BIC to BIC Transformation and Its Application to Black-Box Reduction in Revenue Maximization. , 2021, , 1337-1356.		6
23	On Multi-Dimensional Gains from Trade Maximization. , 2021, , 1079-1098.		4
24	On Simple Mechanisms for Dependent Items. , 2021, , .		4
25	Welfare and Rationality Guarantees for the Simultaneous Multiple-Round Ascending Auction. Lecture Notes in Computer Science, 2015, , 216-229.	1.3	3
26	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
27	Simple mechanisms for subadditive buyers via duality. , 2019, 17, 39-53.		2
28	Computing simple mechanisms: Lift-and-round over marginal reduced forms. , 2022, , .		2
29	Simple Mechanisms for Profit Maximization in Multi-item Auctions. , 2019, , .		1
30	Reducing Bayesian Mechanism Design to Algorithm Design. , 2015, , 1-9.		1
31	Can Nondeterminism Help Complementation?. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 96, 57-70.	0.8	1
32	On the Economic Efficiency of the Combinatorial Clock Auction. , 2016, , .		1
33	Third-Party Data Providers Ruin Simple Mechanisms. , 2020, , .		1
34	Reducing Bayesian Mechanism Design to Algorithm Design. , 2016, , 1801-1808.		0
35	Simple and Approximately Optimal Pricing for Proportional Complementarities. , 2019, , .		0
36	Recommender Systems meet Mechanism Design. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
37	Is Selling Complete Information (Approximately) Optimal?. , 2022, , .		0