List of Publications by Year
in descending order

107 papers	**3,602** citations	218381 **26** h-index	161609 **54** g-index
112 all docs	**112** docs citations	**112** times ranked	**1635** citing authors

#	Article	IF	Citations
1	On the Complexity of Cooperative Solution Concepts. Mathematics of Operations Research, 1994, 19, 257-266.	0.8	451
2	Settling the complexity of computing two-player Nash equilibria. Journal of the ACM, 2009, 56, 1-57.	1.8	338
3	Settling the Complexity of Two-Player Nash Equilibrium. , 2006, , .		269
4	Detecting Phishing Web Pages with Visual Similarity Assessment Based on Earth Mover's Distance (EMD). IEEE Transactions on Dependable and Secure Computing, 2006, 3, 301-311.	3.7	208
5	Two-factor mutual authentication based on smart cards and passwords. Journal of Computer and System Sciences, 2008, 74, 1160-1172.	0.9	165
6	Algorithmic Aspects of the Core of Combinatorial Optimization Games. Mathematics of Operations Research, 1999, 24, 751-766.	0.8	154
7	How to learn an unknown environment. I. Journal of the ACM, 1998, 45, 215-245.	1.8	140
8	An antiphishing strategy based on visual similarity assessment. IEEE Internet Computing, 2006, 10, 58-65.	3.2	119
9	Computing Nash Equilibria: Approximation and Smoothed Complexity. , 2006, , .		96
10	Certificateless signature: a new security model and an improved generic construction. Designs, Codes, and Cryptography, 2007, 42, 109-126.	1.0	84
11	Accessor Variety Criteria for Chinese Word Extraction. Computational Linguistics, 2004, 30, 75-93.	2.5	81
12	Genetic Design of Drugs Without Side-Effects. SIAM Journal on Computing, 2003, 32, 1073-1090.	0.8	73
13	On the complexity of price equilibria. Journal of Computer and System Sciences, 2003, 67, 311-324.	0.9	67
14	Complexity Issues in Bilevel Linear Programming. Nonconvex Optimization and Its Applications, 1998, , 149-164.	0.1	54
15	Totally balanced combinatorial optimization games. Mathematical Programming, 2000, 87, 441-452.	1.6	50
16	An Approximation Algorithm for Feedback Vertex Sets in Tournaments. SIAM Journal on Computing, 2001, 30, 1993-2007.	0.8	49
17	On the complexity of 2D discrete fixed point problem. Theoretical Computer Science, 2009, 410, 4448-4456.	0.5	47
18	Algorithmic Solutions for Envy-Free Cake Cutting. Operations Research, 2012, 60, 1461-1476.	1.2	44

#	Article	IF	Citations
19	Competitive robot mapping with homogeneous markers. IEEE Transactions on Automation Science and Engineering, 1996, 12, 532-542.	2.4	43
20	Forward looking Nash equilibrium for keyword auction. Information Processing Letters, 2008, 105, 41-46.	0.4	42
21	Non-Clairvoyant Multiprocessor Scheduling of Jobs with Changing Execution Characteristics. Journal of Scheduling, 2003, 6, 231-250.	1.3	36
22	Finding nucleolus of flow game. Journal of Combinatorial Optimization, 2009, 18, 64-86.	0.8	33
23	Anonymous Signature Schemes. Lecture Notes in Computer Science, 2006, , 347-363.	1.0	31
24	A Min-Max Theorem on Feedback Vertex Sets. Mathematics of Operations Research, 2002, 27, 361-371.	0.8	29
25	Phishing Web page detection. , 2005, , .		29
26	On the complexity of crossings in permutations. Discrete Mathematics, 2009, 309, 1813-1823.	0.4	29
27	On computational complexity of membership test in flow games and linear production games. International Journal of Game Theory, 2002, 31, 39-45.	0.5	27
28	The computation of approximate competitive equilibrium is PPAD-hard. Information Processing Letters, 2008, 108, 369-373.	0.4	27
29	How Profitable Are Strategic Behaviors in a Market?. Lecture Notes in Computer Science, 2011, , 106-118.	1.0	27
30	On-Line Scheduling a Batch Processing System to Minimize Total Weighted Job Completion Time. Journal of Combinatorial Optimization, 2004, 8, 85-95.	0.8	26
31	Incentive Ratios of Fisher Markets. Lecture Notes in Computer Science, 2012, , 464-475.	1.0	25
32	Sparse Games Are Hard. Lecture Notes in Computer Science, 2006, , 262-273.	1.0	24
33	Minimizing Mean Completion Time in a Batch Processing System. Algorithmica, 2004, 38, 513-528.	1.0	23
34	A PTAS for Semiconductor Burn-in Scheduling. Journal of Combinatorial Optimization, 2005, 9, 5-17.	0.8	23
35	Analysis and Improvement of a Signcryption Scheme with Key Privacy. Lecture Notes in Computer Science, 2005, , 218-232.	1.0	22
36	Algorithmic Cooperative Game Theory. Springer Optimization and Its Applications, 2008, , 159-185.	0.6	22

#	Article	IF	Citations
37	Preemptive Scheduling of Parallel Jobs on Multiprocessors. SIAM Journal on Computing, 2000, 30, 145-160.	0.8	20
38	Efficient routing and message bounds for optimal parallel algorithms. , 0, , .		18
39	Dynamic Arbitrage-Free Asset Pricing with Proportional Transaction Costs. Mathematical Finance, 2002, 12, 89-97.	0.9	18
40	On the Complexity of 2D Discrete Fixed Point Problem. Lecture Notes in Computer Science, 2006, , 489-500.	1.0	18
41	Fisher Equilibrium Price with a Class of Concave Utility Functions. Lecture Notes in Computer Science, 2004, , 169-179.	1.0	18
42	Competitive Analysis of Network Load Balancing. Journal of Parallel and Distributed Computing, 1997, 40, 162-172.	2.7	17
43	On algorithms for discrete and approximate brouwer fixed points. , 2005, , .		16
44	Decision-making by hierarchies of discordant agents. Mathematical Programming, 1999, 86, 417-431.	1.6	14
45	Proof of ChvÃ¡tal's conjecture on maximal stable sets and maximal cliques in graphs. Journal of Combinatorial Theory Series B, 2004, 91, 301-325.	0.6	14
46	Matching algorithmic bounds for finding a Brouwer fixed point. Journal of the ACM, 2008, 55, 1-26.	1.8	14
47	Finding nucleolus of flow game. , 2006, , .		14
48	COMPUTATIONAL COMPLEXITY OF ARBITRAGE IN FRICTIONAL SECURITY MARKET. International Journal of Foundations of Computer Science, 2002, 13, 681-684.	0.8	13
49	A PTAS FOR MINIMIZING TOTAL COMPLETION TIME OF BOUNDED BATCH SCHEDULING. International Journal of Foundations of Computer Science, 2002, 13, 817-827.	0.8	12
50	On complexity of single-minded auction. Journal of Computer and System Sciences, 2004, 69, 675-687.	0.9	12
51	Resettable Zero-Knowledge in the Weak Public-Key Model. Lecture Notes in Computer Science, 2003, , 123-139.	1.0	12
52	Competitive distributed decision-making. Algorithmica, 1996, 16, 133-150.	1.0	11
53	Approximate and dynamic rank aggregation. Theoretical Computer Science, 2004, 325, 409-424.	0.5	11
54	A PTAS for Minimizing Total Completion Time of Bounded Batch Scheduling. Lecture Notes in Computer Science, 2002, , 304-314.	1.0	10

#	ARTICLE	IF	CITATIONS
55	A PTAS for Embedding Hypergraph in a Cycle. Lecture Notes in Computer Science, 2004, , 433-444.	1.0	9
56	Efficient Anonymous Roaming and Its Security Analysis. Lecture Notes in Computer Science, 2005, , 334-349.	1.0	8
57	Formal Analysis and Systematic Construction of Two-Factor Authentication Scheme (Short Paper). Lecture Notes in Computer Science, 2006, , 82-91.	1.0	8
58	A Randomized Algorithm for the Voronoi Diagram of Line Segments on Coarse-Grained Multiprocessors. Algorithmica, 1999, 24, 270-286.	1.0	7
59	Center and Distinguisher for Strings with Unbounded Alphabet. Journal of Combinatorial Optimization, 2002, 6, 383-400.	0.8	7
60	Multi-bidding strategy in sponsored search auctions. Journal of Combinatorial Optimization, 2012, 23, 356-372.	0.8	7
61	An intelligent market making strategy in algorithmic trading. Frontiers of Computer Science, 2014, 8, 596-608.	1.6	7
62	Recent studies of agent incentives in internet resource allocation and pricing. 4or, 2018, 16, 231-260.	1.0	7
63	On Computation of Arbitrage for Markets with Friction. Lecture Notes in Computer Science, 2000, , 310-319.	1.0	7
64	A Potential IRI Based Phishing Strategy. Lecture Notes in Computer Science, 2005, , 618-619.	1.0	7
65	On Walrasian Price of CPU Time. Algorithmica, 2007, 48, 159-172.	1.0	6
66	Approximation and Computation of Arbitrage in Frictional Foreign Exchange Market (Extended) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.9	5
67	Deposit-Case Attack Against Secure Roaming. Lecture Notes in Computer Science, 2005, , 417-428.	1.0	5
68	Discrete Fixed Points: Models, Complexities, and Applications. Mathematics of Operations Research, 2011, 36, 636-652.	0.8	5
69	Membership for Core of LP Games and Other Games. Lecture Notes in Computer Science, 2001, , 247-256.	1.0	5
70	Combinatorial Optimization and Coalition Games. , 1998, , 823-849.		5
71	Metasearch via Voting. Lecture Notes in Computer Science, 2003, , 734-741.	1.0	5
72	A 2-D parallel convex hull algorithm with optimal communication phases. Parallel Computing, 2001, 27, 243-255.	1.3	4

#	ARTICLE	IF	CITATIONS
73	Total balancedness condition for Steiner tree games. Discrete Applied Mathematics, 2003, 127, 555-563.	0.5	4
74	Condorcet Winners for Public Goods. Annals of Operations Research, 2005, 137, 229-242.	2.6	4
75	On the complexity of market equilibria with maximum social welfare. Information Processing Letters, 2006, 97, 4-11.	0.4	4
76	Arbitrage opportunities across sponsored search markets. Theoretical Computer Science, 2008, 407, 182-191.	0.5	4
77	A Simplicial Approach for Discrete Fixed Point Theorems. Algorithmica, 2009, 53, 250-262.	1.0	4
78	Robot Map Verification of a Graph World. Lecture Notes in Computer Science, 1999, , 86-97.	1.0	4
79	Multi-bidding Strategy in Sponsored Keyword Auction. , 2008, , 124-134.		4
80	Private Data Manipulation in Optimal Sponsored Search Auction. , 2020, , .		4
81	Approximate sequencing for variable length tasks. Theoretical Computer Science, 2003, 290, 2037-2044.	0.5	3
82	Reduction zero-knowledge*. Progress in Natural Science: Materials International, 2004, 14, 350-358.	1.8	3
83	Recent development in computational complexity characterization of Nash equilibrium. Computer Science Review, 2007, 1, 88-99.	10.2	3
84	Universally Balanced Combinatorial Optimization Games. Games, 2010, 1, 299-316.	0.4	3
85	Understanding PPA-completeness. Journal of Computer and System Sciences, 2021, 115, 146-168.	0.9	3
86	A Simplicial Approach for Discrete Fixed Point Theorems. Lecture Notes in Computer Science, 2006, , 3-12.	1.0	3
87	Properties of Symmetric Incentive Compatible Auctions. Lecture Notes in Computer Science, 2007, , 264-273.	1.0	3
88	Combinatorial auction across independent markets [Extended Abstract]. , 2003, , .		2
89	Necessary and Sufficient Conditions for Weak No-Arbitrage in Securities Markets with Frictions. Annals of Operations Research, 2005, 133, 265-276.	2.6	2
90	Dynamic Price Sequence and Incentive Compatibility. Lecture Notes in Computer Science, 2004, , 320-331.	1.0	2

#	Article	IF	Citations
91	On Walrasian Price of CPU Time. Lecture Notes in Computer Science, 2005, , 586-595.	1.0	2
92	Infinite games. , 1991, , .		1
93	Complexity of Exchange Markets. , 2008, , 689-705.		1
94	The Cost of Derandomization: Computability or Competitiveness. SIAM Journal on Computing, 1997, 26, 786-802.	0.8	0
95	Computation of arbitrage in frictional bond markets. Theoretical Computer Science, 2006, 363, 248-256.	0.5	0
96	KEY ESTABLISHMENT â€" SECRECY, AUTHENTICATION AND ANONYMITY. , 2011, , 223-244.		0
97	Arbitrage-Free Asset Pricing in General State Space. Lecture Notes in Computer Science, 2000, , 551-558.	1.0	0
98	Randomized Geometry Algorithms for Coarse Grained Parallel Computers. Combinatorial Optimization, 2001, , 203-219.	0.7	0
99	Computation of Arbitrage in a Financial Market with Various Types of Frictions. Lecture Notes in Computer Science, 2005, , 270-280.	1.0	0
100	Making Economic Theory Operational. Lecture Notes in Computer Science, 2006, , 251-261.	1.0	0
101	Arbitrage in Frictional Foreign Exchange Market. , 2008, , 62-65.		0
102	Direction Preserving Zero Point Computing and Applications. Lecture Notes in Computer Science, 2009, , 410-421.	1.0	0
103	Computation and Incentives of Competitive Equilibria in a Matching Market. Lecture Notes in Computer Science, 2011, , 2-6.	1.0	0
104	Arbitrage in Frictional Foreign Exchange Market. , 2015, , 1-6.		0
105	Non-approximability of Bimatrix Nash Equilibria. , 2016, , 1412-1414.		0
106	Arbitrage in Frictional Foreign Exchange Market. , 2016, , 141-145.		0
107	Recent studies of agent incentives in internet resource allocation and pricing. Annals of Operations Research, 0, , 1.	2.6	0