Zhiyi Tan

List of Publications by Year
in descending order

59 papers	680 citations	567281 15 h-index	610901 24 g-index
61 all docs	61 docs citations	61 times ranked	325 citing authors

#	ARTICLE	IF	CITATIONS
1	On the machine scheduling problem with job delivery coordination. European Journal of Operational Research, 2007, 182, 1057-1072.	5.7	85
2	Tighter bounds of the First Fit algorithm for the bin-packing problem. Discrete Applied Mathematics, 2010, 158, 1668-1675.	0.9	73
3	Semi-on-line problems on two identical machines with combined partial information. Operations Research Letters, 2002, 30, 408-414.	0.7	45
4	Online parallel machines scheduling with two hierarchies. Theoretical Computer Science, 2009, 410, 3597-3605.	0.9	42
5	Online scheduling with reassignment. Operations Research Letters, 2008, 36, 250-254.	0.7	29
6	Ordinal On-Line Scheduling for Maximizing the Minimum Machine Completion Time. Journal of Combinatorial Optimization, 2002, 6, 199-206.	1.3	27
7	A note on hierarchical scheduling on two uniform machines. Journal of Combinatorial Optimization, 2010, 20, 85-95.	1.3	24
8	Optimal online algorithm for scheduling on two identical machines with machine availability constraints. Information Processing Letters, 2002, 83, 323-329.	0.6	23
9	Online hierarchical scheduling: An approach using mathematical programming. Theoretical Computer Science, 2011, 412, 246-256.	0.9	23
10	Semi-on-line scheduling with ordinal data on two uniform machines. Operations Research Letters, 2001, 28, 221-231.	0.7	19
11	Optimal semi-online algorithms for machine covering. Theoretical Computer Science, 2007, 372, 69-80.	0.9	19
12	Two semi-online scheduling problems on two uniform machines. Theoretical Computer Science, 2009, 410, 776-792.	0.9	19
13	Complexity and approximation of single machine scheduling with an operator non-availability period to minimize total completion time. Information Sciences, 2013, 251, 150-163.	6.9	19
14	Improved bounds for batch scheduling with nonidentical job sizes. Naval Research Logistics, 2014, 61, 351-358.	2.2	18
15	Online and Semi-online Scheduling. , 2013, , 2191-2252.		17
16	Parallel machines scheduling with machine maintenance for minsum criteria. European Journal of Operational Research, 2011, 212, 287-292.	5.7	16
17	Lower bound for 3-batched bin packing. Discrete Optimization, 2016, 21, 14-24.	0.9	16
18	New upper and lower bounds for online scheduling with machine cost. Discrete Optimization, 2010, 7, 125-135.	0.9	15

#	Article	IF	Citations
19	Optimal on-line algorithms for the uniform machine scheduling problem with ordinal data. Information and Computation, 2005, 196, 57-70.	0.7	14
20	Preemptive Machine Covering on Parallel Machines. Journal of Combinatorial Optimization, 2005, 10, 345-363.	1.3	10
21	Semi-online scheduling problems on two identical machines with inexact partial information. Theoretical Computer Science, 2007, 377, 110-125.	0.9	10
22	Inefficiency of equilibria for the machine covering game on uniform machines. Acta Informatica, 2012, 49, 361-379.	0.5	10
23	$\hat{I}^o$-Partitioning problems for maximizing the minimum load. Computers and Mathematics With Applications, 2003, 46, 1671-1681.	2.7	9
24	Coordination mechanisms for scheduling games with proportional deterioration. European Journal of Operational Research, 2017, 263, 380-389.	5.7	9
25	Inefficiency of Nash Equilibrium for scheduling games with constrained jobs: A parametric analysis. Theoretical Computer Science, 2014, 521, 123-134.	0.9	8
26	Ordinal algorithms for parallel machine scheduling with nonsimultaneous machine available times. Computers and Mathematics With Applications, 2002, 43, 1521-1528.	2.7	7
27	Inefficiency of equilibria for scheduling game with machine activation costs. Theoretical Computer Science, 2015, 607, 193-207.	0.9	7
28	Scheduling to minimize the maximum total completion time per machine. European Journal of Operational Research, 2015, 242, 45-50.	5.7	6
29	Mixed coordination mechanisms for scheduling games on hierarchical machines. International Transactions in Operational Research, 2021, 28, 419-437.	2.7	6
30	Semi-online Machine Covering on Two Uniform Machines with Known Total Size. Computing (Vienna/New York), 2006, 78, 369-378.	4.8	5
31	On the optimality of list scheduling for online uniform machines scheduling. Optimization Letters, 2012, 6, 1551-1571.	1.6	5
32	On the exact bounds of SPT for scheduling on parallel machines with availability constraints. International Journal of Production Economics, 2013, 146, 293-299.	8.9	5
33	Tight lower bounds for semi-online scheduling on two uniform machines with known optimum. Central European Journal of Operations Research, 2019, 27, 1107-1130.	1.8	5
34	Optimal Semi-online Scheduling Algorithms on a Small Number of Machines. Lecture Notes in Computer Science, 2007, , 504-515.	1.3	4
35	Semi-online machine covering for two uniform machines. Theoretical Computer Science, 2009, 410, 5047-5062.	0.9	3
36	Privacy-preserving vertically partitioned linear program with nonnegativity constraints. Optimization Letters, 2013, 7, 1725-1731.	1.6	3

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37	Pseudo lower bounds for online parallel machine scheduling. Operations Research Letters, 2015, 43, 489-494.	0.7	3
38	Tight upper bounds for semi-online scheduling on two uniform machines with known optimum. Central European Journal of Operations Research, 2018, 26, 161-180.	1.8	3
39	A (32+Î¼)-approximation algorithm for scheduling on two parallel machines with job delivery coordination. Journal of the Operational Research Society, 2021, 72, 1929-1942.	3.4	3
40	Online Scheduling with Unit Processing Times and Processing Set Restrictions. Journal of the Operations Research Society of China, 2019, 7, 475-484.	1.4	2
41	Coordination mechanisms for scheduling games with machine modification. International Transactions in Operational Research, 2021, 28, 904-925.	2.7	2
42	Ordinal scheduling problem and its asymptotically optimal algorithms on parallel machine system. Science in China Series F: Information Sciences, 2004, 47, 161.	1.1	1
43	Linear Time Algorithms for Parallel Machine Scheduling. Lecture Notes in Computer Science, 2005, , 172-182.	1.3	1
44	Linear Time Algorithms for Parallel Machine Scheduling. Acta Mathematica Sinica, English Series, 2007, 23, 137-146.	0.6	1
45	Single machine scheduling with semi-resumable machine availability constraints. Applied Mathematics, 2011, 26, 177-186.	1.0	1
46	Inefficiency of Nash equilibria with parallel processing policy. Information Processing Letters, 2013, 113, 465-469.	0.6	1
47	A note on the lower bound for the Price of Anarchy of scheduling games on unrelated machines. Discrete Applied Mathematics, 2015, 186, 295-300.	0.9	1
48	Batch scheduling of nonidentical job sizes with minsum criteria. Journal of Combinatorial Optimization, 2021, 42, 543-564.	1.3	1
49	Single Machine Scheduling with an Operator Non-availability Period to Minimize Total Completion Time. Lecture Notes in Computer Science, 2011, , 208-219.	1.3	1
50	Ordinal On-Line Scheduling on Two Uniform Machines. Lecture Notes in Computer Science, 2000, , 232-241.	1.3	1
51	Semi-online Problems on Identical Machines with Inexact Partial Information. Lecture Notes in Computer Science, 2005, , 297-307.	1.3	1
52	Bounds on delay start LPT algorithm for scheduling on two identical machines in the l_p norm. Journal of Industrial and Management Optimization, 2008, 4, 817-826.	1.3	1
53	Editorial: In memoriam: Yong He (1969â€"2005). Journal of Combinatorial Optimization, 2006, 12, 325-326.	1.3	0
54	Online coupon consumption problem. Journal of Combinatorial Optimization, 2008, 16, 1-15.	1.3	0

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55	A Mathematical Programming Approach for Online Hierarchical Scheduling. Lecture Notes in Computer Science, 2009, , 438-450.	1.3	0
56	ONLINE AND SEMI-ONLINE SCHEDULING ON CAPACITATED TWO-PARALLEL MACHINES. Asia-Pacific Journal of Operational Research, 2011, 28, 163-182.	1.3	0
57	A new approach for bicriteria partitioning problem. Optimization Letters, 2015, 9, 1025-1037.	1.6	0
58	Minimizing Total Completion Time of Batch Scheduling with Nonidentical Job Sizes. Lecture Notes in Computer Science, 2017, , 165-179.	1.3	0
59	Scheduling Game with Machine Modification in the Random Setting. Lecture Notes in Computer Science, 2019, , 265-276.	1.3	0