Evripidis Bampis

List of Publications by Year
in descending order

68 papers	710 citations	567281 15 h-index	677142 22 g-index
71 all docs	71 docs citations	71 times ranked	419 citing authors

#	Article	IF	Citations
1	Truthful algorithms for scheduling selfish tasks on parallel machines. Theoretical Computer Science, 2006, 369, 157-168.	0.9	47
2	Scheduling UET-UCT series-parallel graphs on two processors. Theoretical Computer Science, 1996, 162, 323-340.	0.9	44
3	Spectrum Assignment in Optical Networks: A Multiprocessor Scheduling Perspective. Journal of Optical Communications and Networking, 2014, 6, 754.	4.8	37
4	On the approximate tradeoff for bicriteria batching and parallel machine scheduling problems. Theoretical Computer Science, 2003, 306, 319-338.	0.9	35
5	Speed Scaling on Parallel Processors with Migration. Lecture Notes in Computer Science, 2012, , 128-140.	1.3	30
6	A Dynasearch Neighborhood for the Bicriteria Traveling Salesman Problem. Lecture Notes in Economics and Mathematical Systems, 2004, , 153-176.	0.3	28
7	Green scheduling, flows and matchings. Theoretical Computer Science, 2015, 579, 126-136.	0.9	23
8	A FPTAS for Approximating the Unrelated Parallel Machines Scheduling Problem with Costs. Lecture Notes in Computer Science, 2001, , 194-205.	1.3	22
9	Approximation results for a bicriteria job scheduling problem on a single machine without preemption. Information Processing Letters, 2005, 94, 19-27.	0.6	22
10	Scheduling in Switching Networks with Set-Up Delays. Journal of Combinatorial Optimization, 2005, 9, 49-57.	1.3	22
11	On the complexity of scheduling with large communication delays. European Journal of Operational Research, 1996, 94, 252-260.	5.7	20
12	Approximation algorithms for the bi-criteria weighted MAX-CUT problem. Discrete Applied Mathematics, 2006, 154, 1685-1692.	0.9	18
13	Some models for scheduling parallel programs with communication delays. Discrete Applied Mathematics, 1997, 72, 5-24.	0.9	17
14	On truthfulness and approximation for scheduling selfish tasks. Journal of Scheduling, 2009, 12, 437-445.	1.9	17
15	Energy Efficient Scheduling of MapReduce Jobs. Lecture Notes in Computer Science, 2014, , 198-209.	1.3	15
16	Speed scaling with power down scheduling for agreeable deadlines. Sustainable Computing: Informatics and Systems, 2012, 2, 184-189.	2.2	14
17	Low complexity scheduling algorithms minimizing the energy for tasks with agreeable deadlines. Discrete Applied Mathematics, 2014, 175, 1-10.	0.9	14
18	Energy-efficient scheduling and routing via randomized rounding. Journal of Scheduling, 2018, 21, 35-51.	1.9	14

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19	Scheduling of Independent Dedicated Multiprocessor Tasks. Lecture Notes in Computer Science, 2002, , 391-402.	1.3	14
20	Energy Aware Scheduling for Unrelated Parallel Machines. , 2012, , .		13
21	From preemptive to non-preemptive speed-scaling scheduling. Discrete Applied Mathematics, 2015, 181, 11-20.	0.9	13
22	A multi-start dynasearch algorithm for the time dependent single-machine total weighted tardiness scheduling problem. European Journal of Operational Research, 2005, 162, 281-289.	5.7	12
23	Speed scaling on parallel processors with migration. Journal of Combinatorial Optimization, 2019, 37, 1266-1282.	1.3	12
24	A note on scheduling to meet two min-sum objectives. Operations Research Letters, 2007, 35, 69-73.	0.7	11
25	An approximation algorithm for the precedence constrained scheduling problem with hierarchical communications. Theoretical Computer Science, 2003, 290, 1883-1895.	0.9	10
26	A NOTE ON BICRITERIA SCHEDULES WITH OPTIMAL APPROXIMATIONS RATIOS. Parallel Processing Letters, 2004, 14, 315-323.	0.6	10
27	A note on multiprocessor speed scaling with precedence constraints. , 2014, , .		10
28	Bicriteria approximation algorithms for scheduling problems with communications delays. Journal of Scheduling, 2005, 8, 281-294.	1.9	9
29	On the minimum hitting set of bundles problem. Theoretical Computer Science, 2009, 410, 4534-4542.	0.9	8
30	Scheduling on Power-Heterogeneous Processors. Lecture Notes in Computer Science, 2016, , 41-54.	1.3	8
31	A PTAS for the average weighted completion time problem on unrelated machines. Journal of Scheduling, 2000, 3, 323-332.	1.9	7
32	Using duplication for the multiprocessor scheduling problem with hierarchical communications. Parallel Processing Letters, 2000, 10, 133-140.	0.6	7
33	On the hardness of approximating the UET-UCT scheduling problem with hierarchical communications. RAIRO - Operations Research, 2002, 36, 21-36.	1.8	7
34	Scheduling trees with large communication delays on two identical processors. Journal of Scheduling, 2005, 8, 179-190.	1.9	7
35	An exponential (matching based) neighborhood for the vehicle routing problem. Journal of Combinatorial Optimization, 2008, 15, 179-190.	1.3	7
36	Scheduling on power-heterogeneous processors. Information and Computation, 2017, 257, 22-33.	0.7	7

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37	Speed-Scaling with No Preemptions. Lecture Notes in Computer Science, 2014, , 259-269.	1.3	7
38	Green Scheduling, Flows and Matchings. Lecture Notes in Computer Science, 2012, , 106-115.	1.3	7
39	How good are SPT schedules for fair optimality criteria. Annals of Operations Research, 2008, 159, 53-64.	4.1	6
40	Algorithmic Issues in Energy-Efficient Computation. Lecture Notes in Computer Science, 2016, , 3-14.	1.3	6
41	Throughput Maximization for Speed-Scaling with Agreeable Deadlines. Lecture Notes in Computer Science, 2013, , 10-19.	1.3	6
42	Min-Power Covering Problems. Lecture Notes in Computer Science, 2015, , 367-377.	1.3	6
43	Randomized truthful algorithms for scheduling selfish tasks on parallel machines. Theoretical Computer Science, 2012, 414, 1-8.	0.9	5
44	A Parallel Reduction of Hamiltonian Cycle to Hamiltonian Path in Tournaments. Journal of Algorithms, 1995, 19, 432-440.	0.9	4
45	On multiprocessor temperature-aware scheduling problems. Journal of Scheduling, 2013, 16, 529-538.	1.9	4
46	Speed Scaling for Maximum Lateness. Theory of Computing Systems, 2016, 58, 304-321.	1.1	4
47	Low Complexity Scheduling Algorithm Minimizing the Energy for Tasks with Agreeable Deadlines. Lecture Notes in Computer Science, 2012, , 13-24.	1.3	4
48	An Approximation Algorithm for the Precedence Constrained Scheduling Problem with Hierarchical Communications. Lecture Notes in Computer Science, 2000, , 443-454.	1.3	4
49	Bounded max-colorings of graphs. Journal of Discrete Algorithms, 2014, 26, 56-68.	0.7	3
50	Throughput maximization in multiprocessor speed-scaling. Theoretical Computer Science, 2016, 630, 1-12.	0.9	3
51	Scheduling Malleable Jobs Under Topological Constraints. , 2020, , .		3
52	Online Multistage Subset Maximization Problems. Algorithmica, 2021, 83, 2374-2399.	1.3	3
53	Scheduling under Uncertainty: A Query-based Approach. , 2018, , .		3
54	Maximization of the Size and the Weight of Schedules of Degradable Intervals. Lecture Notes in Computer Science, 2004, , 219-228.	1.3	3

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55	Parameterized Power Vertex Cover. Lecture Notes in Computer Science, 2016, , 97-108.	1.3	3
56	The complexity of short schedules for uet bipartite graphs. RAIRO - Operations Research, 1999, 33, 367-370.	1.8	2
57	Randomized Truthful Algorithms for Scheduling Selfish Tasks on Parallel Machines. Lecture Notes in Computer Science, 2010, , 38-48.	1.3	2
58	Fair cost-sharing methods for the minimum spanning tree game. Information Processing Letters, 2006, 100, 29-35.	0.6	1
59	Throughput maximization for speed scaling with agreeable deadlines. Journal of Scheduling, 2016, 19, 619-625.	1.9	1
60	Non-preemptive Throughput Maximization for Speed-Scaling with Power-Down. Lecture Notes in Computer Science, 2015, , 171-182.	1.3	1
61	Scheduling Trees with Large Communication Delays on Two Identical Processors. Lecture Notes in Computer Science, 2000, , 288-295.	1.3	1
62	Non-approximability Results for the Hierarchical Communication Problem with a Bounded Number of Clusters. Lecture Notes in Computer Science, 2002, , 217-224.	1.3	1
63	On-Line Simultaneous Maximization of the Size and the Weight for Degradable Intervals Schedules. Lecture Notes in Computer Science, 2005, , 308-317.	1.3	1
64	Energy Minimization via a Primal-Dual Algorithm for a Convex Program. Lecture Notes in Computer Science, 2013, , 366-377.	1.3	1
65	Using duplication for the multiprocessor scheduling problem with hierarchical communications. Lecture Notes in Computer Science, 1999, , 369-372.	1.3	1
66	Approximation Algorithms for the Bi-criteria Weighted max-cut Problem. Lecture Notes in Computer Science, 2005, , 331-340.	1.3	0
67	Speed Scaling with Explorable Uncertainty. , 2021, , .		0
68	Algorithms for energy-efficient scheduling. , 2018, , .		0