

Jerome Monnot

List of Publications by Year in descending order

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122
papers

1,083
citations

430442

18
h-index

525886

27
g-index

132
all docs

132
docs citations

132
times ranked

545
citing authors

#	ARTICLE	IF	CITATIONS
1	On the complexity of solution extension of optimization problems. Theoretical Computer Science, 2022, 904, 48-65.	0.5	7
2	Extension and its price for the connected vertex cover problem. Theoretical Computer Science, 2022, 904, 66-80.	0.5	1
3	Algorithmic aspects of upper edge domination. Theoretical Computer Science, 2021, 877, 46-57.	0.5	3
4	On the Complexity of the Upper r -Tolerant Edge Cover Problem. Lecture Notes in Computer Science, 2020, , 32-47.	1.0	1
5	On maximin share allocations in matroids. Theoretical Computer Science, 2019, 754, 50-64.	0.5	13
6	Extension of Vertex Cover and Independent Set in Some Classes of Graphs. Lecture Notes in Computer Science, 2019, , 124-136.	1.0	7
7	Complexity and approximability of extended Spanning Star Forest problems in general and complete graphs. Theoretical Computer Science, 2019, 775, 1-15.	0.5	1
8	Weighted Upper Edge Cover: Complexity and Approximability. Lecture Notes in Computer Science, 2019, , 235-247.	1.0	1
9	Extension and Its Price for the Connected Vertex Cover Problem. Lecture Notes in Computer Science, 2019, , 315-326.	1.0	2
10	Extension of Some Edge Graph Problems: Standard and Parameterized Complexity. Lecture Notes in Computer Science, 2019, , 185-200.	1.0	4
11	On a Simple Hedonic Game with Graph-Restricted Communication. Lecture Notes in Computer Science, 2019, , 252-265.	1.0	0
12	Maximum Independent Sets in Subcubic Graphs: New Results. Lecture Notes in Computer Science, 2019, , 40-52.	1.0	1
13	The many facets of upper domination. Theoretical Computer Science, 2018, 717, 2-25.	0.5	29
14	Upper Domination: Towards a Dichotomy Through Boundary Properties. Algorithmica, 2018, 80, 2799-2817.	1.0	5
15	Subset sum problems with digraph constraints. Journal of Combinatorial Optimization, 2018, 36, 937-964.	0.8	10
16	The Price of Optimum: Complexity and Approximation for a Matching Game. Algorithmica, 2017, 77, 836-866.	1.0	0
17	Bi-objective matchings with the triangle inequality. Theoretical Computer Science, 2017, 670, 1-10.	0.5	1
18	Approximate Maximin Share Allocations in Matroids. Lecture Notes in Computer Science, 2017, , 310-321.	1.0	6

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19	Weighted upper domination number. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 62, 171-176.	0.4	2
20	Extended Spanning Star Forest Problems. <i>Lecture Notes in Computer Science</i> , 2017, , 195-209.	1.0	1
21	Selfish Transportation Games. <i>Lecture Notes in Computer Science</i> , 2017, , 176-187.	1.0	1
22	Upper Domination: Complexity and Approximation. <i>Lecture Notes in Computer Science</i> , 2016, , 241-252.	1.0	2
23	A Boundary Property for Upper Domination. <i>Lecture Notes in Computer Science</i> , 2016, , 229-240.	1.0	2
24	Algorithmic Aspects of Upper Domination: A Parameterised Perspective. <i>Lecture Notes in Computer Science</i> , 2016, , 113-124.	1.0	2
25	Conference Program Design with Single-Peaked and Single-Crossing Preferences. <i>Lecture Notes in Computer Science</i> , 2016, , 221-235.	1.0	1
26	Worst case compromises in matroids with applications to the allocation of indivisible goods. <i>Theoretical Computer Science</i> , 2015, 589, 121-140.	0.5	4
27	On the maximum independent set problem in subclasses of subcubic graphs. <i>Journal of Discrete Algorithms</i> , 2015, 31, 104-112.	0.7	16
28	Approximate tradeoffs on weighted labeled matroids. <i>Discrete Applied Mathematics</i> , 2015, 184, 154-166.	0.5	2
29	The edge-recoloring cost of monochromatic and properly edge-colored paths and cycles. <i>Theoretical Computer Science</i> , 2015, 602, 89-102.	0.5	1
30	A note on the traveling salesman reoptimization problem under vertex insertion. <i>Information Processing Letters</i> , 2015, 115, 435-438.	0.4	7
31	Congestion Games with Capacitated Resources. <i>Theory of Computing Systems</i> , 2015, 57, 598-616.	0.7	4
32	New Results on Polynomial Inapproximability and Fixed Parameter Approximability of Edge Dominating Set. <i>Theory of Computing Systems</i> , 2015, 56, 330-346.	0.7	12
33	A note on the Clustered Set Covering Problem. <i>Discrete Applied Mathematics</i> , 2014, 164, 13-19.	0.5	2
34	On the complexity of the selective graph coloring problem in some special classes of graphs. <i>Theoretical Computer Science</i> , 2014, 540-541, 89-102.	0.5	15
35	A Dichotomy for Upper Domination in Monogenic Classes. <i>Lecture Notes in Computer Science</i> , 2014, , 258-267.	1.0	5
36	Approximation with a fixed number of solutions of some multiobjective maximization problems. <i>Journal of Discrete Algorithms</i> , 2013, 22, 19-29.	0.7	8

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37	Fair solutions for some multiagent optimization problems. Autonomous Agents and Multi-Agent Systems, 2013, 26, 184-201.	1.3	14
38	Reoptimization of maximum weight induced hereditary subgraph problems. Theoretical Computer Science, 2013, 514, 61-74.	0.5	5
39	Single approximation for the biobjective Max TSP. Theoretical Computer Science, 2013, 478, 41-50.	0.5	4
40	Resilience and optimization of identifiable bipartite graphs. Discrete Applied Mathematics, 2013, 161, 593-603.	0.5	4
41	Complexity of trails, paths and circuits in arc-colored digraphs. Discrete Applied Mathematics, 2013, 161, 819-828.	0.5	9
42	REOPTIMIZATION UNDER VERTEX INSERTION: MAX P_k -FREE SUBGRAPH AND MAX PLANAR SUBGRAPH. Discrete Mathematics, Algorithms and Applications, 2013, 05, 1360004.	0.4	1
43	Truthful Many-to-Many Assignment with Private Weights. Lecture Notes in Computer Science, 2013, , 209-220.	1.0	1
44	The Lazy Bureaucrat Problem with Common Arrivals and Deadlines: Approximation and Mechanism Design. Lecture Notes in Computer Science, 2013, , 171-182.	1.0	7
45	A Protocol for Cutting Matroids Like Cakes. Lecture Notes in Computer Science, 2013, , 216-229.	1.0	3
46	On the Maximum Independent Set Problem in Subclasses of Subcubic Graphs. Lecture Notes in Computer Science, 2013, , 314-326.	1.0	4
47	Strategic Coloring of a Graph. Internet Mathematics, 2012, 8, 424-455.	0.7	8
48	New candidates welcome! Possible winners with respect to the addition of new candidates. Mathematical Social Sciences, 2012, 64, 74-88.	0.3	25
49	Selective Graph Coloring in Some Special Classes of Graphs. Lecture Notes in Computer Science, 2012, , 320-331.	1.0	4
50	Reoptimization of the Maximum Weighted P_k -Free Subgraph Problem under Vertex Insertion. Lecture Notes in Computer Science, 2012, , 76-87.	1.0	2
51	Reoptimization of Some Maximum Weight Induced Hereditary Subgraph Problems. Lecture Notes in Computer Science, 2012, , 73-84.	1.0	2
52	New Results on Polynomial Inapproximability and Fixed Parameter Approximability of edge dominating set. Lecture Notes in Computer Science, 2012, , 25-36.	1.0	4
53	Congestion Games with Capacitated Resources. Lecture Notes in Computer Science, 2012, , 204-215.	1.0	3
54	Strategic Scheduling Games: Equilibria and Efficiency. Springer Optimization and Its Applications, 2012, , 209-244.	0.6	0

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55	Complexity Results for the Empire Problem in Collection of Stars. Lecture Notes in Computer Science, 2012, , 73-82.	1.0	0
56	Single Approximation for Biobjective Max TSP. Lecture Notes in Computer Science, 2012, , 49-62.	1.0	1
57	Approximation with a Fixed Number of Solutions of Some Biobjective Maximization Problems. Lecture Notes in Computer Science, 2012, , 233-246.	1.0	1
58	Compilation and communication protocols for voting rules with a dynamic set of candidates. , 2011, , .		6
59	The Price of Optimum in a Matching Game. Lecture Notes in Computer Science, 2011, , 81-92.	1.0	0
60	The Complexity of Bottleneck Labeled Graph Problems. Algorithmica, 2010, 58, 245-262.	1.0	1
61	Complexity and approximation results for the connected vertex cover problem in graphs and hypergraphs. Journal of Discrete Algorithms, 2010, 8, 36-49.	0.7	38
62	Two-stage stochastic matching and spanning tree problems: Polynomial instances and approximation. European Journal of Operational Research, 2010, 205, 19-30.	3.5	13
63	Approximation of the Clustered Set Covering Problem. Electronic Notes in Discrete Mathematics, 2010, 36, 479-485.	0.4	0
64	The minimum reload s \leq t path, trail and walk problems. Discrete Applied Mathematics, 2010, 158, 1404-1417.	0.5	24
65	Labeled Traveling Salesman Problems: Complexity and approximation. Discrete Optimization, 2010, 7, 74-85.	0.6	10
66	Strategic Coloring of a Graph. Lecture Notes in Computer Science, 2010, , 155-166.	1.0	6
67	On the Impact of Local Taxes in a Set Cover Game. Lecture Notes in Computer Science, 2010, , 2-13.	1.0	3
68	Complexity of Paths, Trails and Circuits in Arc-Colored Digraphs. Lecture Notes in Computer Science, 2010, , 222-233.	1.0	3
69	The Max k -Cut Game and Its Strong Equilibria. Lecture Notes in Computer Science, 2010, , 234-246.	1.0	12
70	The Exact Weighted Independent Set Problem in Perfect Graphs and Related Classes. Electronic Notes in Discrete Mathematics, 2009, 35, 317-322.	0.4	3
71	Reoptimization of minimum and maximum traveling salesman's tours. Journal of Discrete Algorithms, 2009, 7, 453-463.	0.7	24
72	Weighted coloring on planar, bipartite and split graphs: Complexity and approximation. Discrete Applied Mathematics, 2009, 157, 819-832.	0.5	27

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73	On s-t paths and trails in edge-colored graphs. Electronic Notes in Discrete Mathematics, 2009, 35, 221-226.	0.4	6
74	Cooperation in Multiorganization Matching. Lecture Notes in Computer Science, 2009, , 78-91.	1.0	1
75	The Minimum Reload s-t Path/Trail/Walk Problems. Lecture Notes in Computer Science, 2009, , 621-632.	1.0	7
76	On Strong Equilibria in the Max Cut Game. Lecture Notes in Computer Science, 2009, , 608-615.	1.0	24
77	Selfish Scheduling with Setup Times. Lecture Notes in Computer Science, 2009, , 292-303.	1.0	1
78	A better differential approximation ratio for symmetric TSP. Theoretical Computer Science, 2008, 396, 63-70.	0.5	10
79	Some tractable instances of interval data minmax regret problems. Operations Research Letters, 2008, 36, 424-429.	0.5	6
80	Approximation results for the weighted $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevi.$ Journal	0.7	4
81	A note on the hardness results for the labeled perfect matching problems in bipartite graphs. RAIRO - Operations Research, 2008, 42, 315-324.	1.0	3
82	Three Selfish Spanning Tree Games. Lecture Notes in Computer Science, 2008, , 465-476.	1.0	1
83	On Labeled Traveling Salesman Problems. Lecture Notes in Computer Science, 2008, , 776-787.	1.0	5
84	Some Tractable Instances of Interval Data Minmax Regret Problems: Bounded Distance from Triviality. , 2008, , 280-291.		0
85	The path partition problem and related problems in bipartite graphs. Operations Research Letters, 2007, 35, 677-684.	0.5	55
86	Approximation algorithms and hardness results for labeled connectivity problems. Journal of Combinatorial Optimization, 2007, 14, 437-453.	0.8	48
87	Time slot scheduling of compatible jobs. Journal of Scheduling, 2007, 10, 111-127.	1.3	28
88	The P k Partition Problem and Related Problems in Bipartite Graphs. Lecture Notes in Computer Science, 2007, , 422-433.	1.0	4
89	The Complexity of Bottleneck Labeled Graph Problems. Lecture Notes in Computer Science, 2007, , 328-340.	1.0	6
90	Complexity and Approximation Results for the Connected Vertex Cover Problem. , 2007, , 202-213.		5

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91	On the Performance of Congestion Games for Optimum Satisfiability Problems. , 2007, , 220-231.		1
92	A simple approximation algorithm for WIS based on the approximability in k-partite graphs. European Journal of Operational Research, 2006, 171, 346-348.	3.5	2
93	Weighted Coloring: further complexity and approximability results. Information Processing Letters, 2006, 97, 98-103.	0.4	48
94	Approximation Algorithms and Hardness Results for Labeled Connectivity Problems. Lecture Notes in Computer Science, 2006, , 480-491.	1.0	3
95	The maximum saving partition problem. Operations Research Letters, 2005, 33, 242-248.	0.5	15
96	On the differential approximation of MIN SET COVER. Theoretical Computer Science, 2005, 332, 497-513.	0.5	11
97	A hypocoloring model for batch scheduling. Discrete Applied Mathematics, 2005, 146, 3-26.	0.5	9
98	Approximation algorithms for the maximum Hamiltonian path problem with specified endpoint(s). European Journal of Operational Research, 2005, 161, 721-735.	3.5	6
99	Approximation algorithms for some vehicle routing problems. Discrete Applied Mathematics, 2005, 146, 27-42.	0.5	28
100	The labeled perfect matching in bipartite graphs. Information Processing Letters, 2005, 96, 81-88.	0.4	39
101	(Non)-Approximability for the Multi-criteria TSP(1,2). Lecture Notes in Computer Science, 2005, , 329-340.	1.0	16
102	On Complexity and Approximability of the Labeled Maximum/Perfect Matching Problems. Lecture Notes in Computer Science, 2005, , 934-943.	1.0	3
103	Weighted Coloring: Further Complexity and Approximability Results. Lecture Notes in Computer Science, 2005, , 205-214.	1.0	3
104	Approximation Results for the Weighted P 4 Partition Problems. Lecture Notes in Computer Science, 2005, , 388-396.	1.0	1
105	Local approximations for maximum partial subgraph problem. Operations Research Letters, 2004, 32, 217-224.	0.5	2
106	Weighted Coloring on Planar, Bipartite and Split Graphs: Complexity and Improved Approximation. Lecture Notes in Computer Science, 2004, , 896-907.	1.0	6
107	The Hypocoloring Problem: Complexity and Approximability Results when the Chromatic Number Is Small. Lecture Notes in Computer Science, 2004, , 377-388.	1.0	0
108	Approximation algorithms for the traveling salesman problem. Mathematical Methods of Operations Research, 2003, 56, 387-405.	0.4	25

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109	Differential approximation results for the Steiner tree problem. Applied Mathematics Letters, 2003, 16, 733-739.	1.5	3
110	Differential approximation results for the traveling salesman problem with distances 1 and 2. European Journal of Operational Research, 2003, 145, 557-568.	3.5	13
111	Local search for the minimum label spanning tree problem with bounded color classes. Operations Research Letters, 2003, 31, 195-201.	0.5	54
112	Differential Approximation for Some Routing Problems. Lecture Notes in Computer Science, 2003, , 277-288.	1.0	2
113	Differential approximation results for the traveling salesman and related problems. Information Processing Letters, 2002, 82, 229-235.	0.4	25
114	Differential approximation of NP-hard problems with equal size feasible solutions. RAIRO - Operations Research, 2002, 36, 279-297.	1.0	3
115	Approximation result toward nearest neighbor heuristic. Yugoslav Journal of Operations Research, 2002, 12, 11-16.	0.5	5
116	The maximum f-depth spanning tree problem. Information Processing Letters, 2001, 80, 179-187.	0.4	5
117	Differential Approximation Results for the Traveling Salesman Problem with Distances 1 and 2. Lecture Notes in Computer Science, 2001, , 275-286.	1.0	3
118	Bridging gap between standard and differential polynomial approximation: The case of bin-packing. Applied Mathematics Letters, 1999, 12, 127-133.	1.5	43
119	The Complexity of the Exact Weighted Independent Set Problem. , 0, , 393-432.		1
120	Weighted Edge Coloring. , 0, , 291-317.		0
121	Approximation of Multi-criteria Min and MaxTSP(1, 2). , 0, , 37-69.		0
122	Complexity and Approximation Results for the Min Weighted Node Coloring Problem. , 0, , 259-289.		0