

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	The path partition problem and related problems in bipartite graphs. Operations Research Letters, 2007, 35, 677-684.	0.5	55
2	Local search for the minimum label spanning tree problem with bounded color classes. Operations Research Letters, 2003, 31, 195-201.	0.5	54
3	Weighted Coloring: further complexity and approximability results. Information Processing Letters, 2006, 97, 98-103.	0.4	48
4	Approximation algorithms and hardness results for λ -labeled connectivity problems. Journal of Combinatorial Optimization, 2007, 14, 437-453.	0.8	48
5	Bridging gap between standard and differential polynomial approximation: The case of bin-packing. Applied Mathematics Letters, 1999, 12, 127-133.	1.5	43
6	The labeled perfect matching in bipartite graphs. Information Processing Letters, 2005, 96, 81-88.	0.4	39
7	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
8	The many facets of upper domination. Theoretical Computer Science, 2018, 717, 2-25.	0.5	29
9	Approximation algorithms for some vehicle routing problems. Discrete Applied Mathematics, 2005, 146, 27-42.	0.5	28
10	Time slot scheduling of compatible jobs. Journal of Scheduling, 2007, 10, 111-127.	1.3	28
11	Weighted coloring on planar, bipartite and split graphs: Complexity and approximation. Discrete Applied Mathematics, 2009, 157, 819-832.	0.5	27
12	Differential approximation results for the traveling salesman and related problems. Information Processing Letters, 2002, 82, 229-235.	0.4	25
13	Approximation algorithms for the traveling salesman problem. Mathematical Methods of Operations Research, 2003, 56, 387-405.	0.4	25
14	New candidates welcome! Possible winners with respect to the addition of new candidates. Mathematical Social Sciences, 2012, 64, 74-88.	0.3	25
15	Reoptimization of minimum and maximum traveling salesman's tours. Journal of Discrete Algorithms, 2009, 7, 453-463.	0.7	24
16	The minimum reload $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si46.gif" display="inline" overflow="scroll"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \hat{\in} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si47.gif" display="inline" overflow="scroll"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ path, trail and walk problems. Discrete Applied Mathematics, 2010, 158, 1404-1417.	0.5	24
17	On Strong Equilibria in the Max Cut Game. Lecture Notes in Computer Science, 2009, , 608-615.	1.0	24
18	On the maximum independent set problem in subclasses of subcubic graphs. Journal of Discrete Algorithms, 2015, 31, 104-112.	0.7	16

#	ARTICLE	IF	CITATIONS
19	(Non)-Approximability for the Multi-criteria TSP(1,2). Lecture Notes in Computer Science, 2005, , 329-340.	1.0	16
20	The maximum saving partition problem. Operations Research Letters, 2005, 33, 242-248.	0.5	15
21	On the complexity of the selective graph coloring problem in some special classes of graphs. Theoretical Computer Science, 2014, 540-541, 89-102.	0.5	15
22	Fair solutions for some multiagent optimization problems. Autonomous Agents and Multi-Agent Systems, 2013, 26, 184-201.	1.3	14
23	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
24	Two-stage stochastic matching and spanning tree problems: Polynomial instances and approximation. European Journal of Operational Research, 2010, 205, 19-30.	3.5	13
25	On maximin share allocations in matroids. Theoretical Computer Science, 2019, 754, 50-64.	0.5	13
26	New Results on Polynomial Inapproximability and Fixed Parameter Approximability of Edge Dominating Set. Theory of Computing Systems, 2015, 56, 330-346.	0.7	12
27	The Max k -Cut Game and Its Strong Equilibria. Lecture Notes in Computer Science, 2010, , 234-246.	1.0	12
28	On the differential approximation of MIN SET COVER. Theoretical Computer Science, 2005, 332, 497-513.	0.5	11
29	A better differential approximation ratio for symmetric TSP. Theoretical Computer Science, 2008, 396, 63-70.	0.5	10
30	Labeled Traveling Salesman Problems: Complexity and approximation. Discrete Optimization, 2010, 7, 74-85.	0.6	10
31	Subset sum problems with digraph constraints. Journal of Combinatorial Optimization, 2018, 36, 937-964.	0.8	10
32	A hypocoloring model for batch scheduling. Discrete Applied Mathematics, 2005, 146, 3-26.	0.5	9
33	Complexity of trails, paths and circuits in arc-colored digraphs. Discrete Applied Mathematics, 2013, 161, 819-828.	0.5	9
34	Strategic Coloring of a Graph. Internet Mathematics, 2012, 8, 424-455.	0.7	8
35	Approximation with a fixed number of solutions of some multiobjective maximization problems. Journal of Discrete Algorithms, 2013, 22, 19-29.	0.7	8
36	A note on the traveling salesman reoptimization problem under vertex insertion. Information Processing Letters, 2015, 115, 435-438.	0.4	7

#	ARTICLE	IF	CITATIONS
37	Extension of Vertex Cover and Independent Set in Some Classes of Graphs. Lecture Notes in Computer Science, 2019, , 124-136.	1.0	7
38	The Minimum Reload s-t Path/Trail/Walk Problems. Lecture Notes in Computer Science, 2009, , 621-632.	1.0	7
39	The Lazy Bureaucrat Problem with Common Arrivals and Deadlines: Approximation and Mechanism Design. Lecture Notes in Computer Science, 2013, , 171-182.	1.0	7
40	On the complexity of solution extension of optimization problems. Theoretical Computer Science, 2022, 904, 48-65.	0.5	7
41	Approximation algorithms for the maximum Hamiltonian path problem with specified endpoint(s). European Journal of Operational Research, 2005, 161, 721-735.	3.5	6
42	Some tractable instances of interval data minmax regret problems. Operations Research Letters, 2008, 36, 424-429.	0.5	6
43	On s-t paths and trails in edge-colored graphs. Electronic Notes in Discrete Mathematics, 2009, 35, 221-226.	0.4	6
44	Compilation and communication protocols for voting rules with a dynamic set of candidates. , 2011, , .		6
45	Approximate Maximin Share Allocations in Matroids. Lecture Notes in Computer Science, 2017, , 310-321.	1.0	6
46	Weighted Coloring on Planar, Bipartite and Split Graphs: Complexity and Improved Approximation. Lecture Notes in Computer Science, 2004, , 896-907.	1.0	6
47	The Complexity of Bottleneck Labeled Graph Problems. Lecture Notes in Computer Science, 2007, , 328-340.	1.0	6
48	Strategic Coloring of a Graph. Lecture Notes in Computer Science, 2010, , 155-166.	1.0	6
49	The maximum f-depth spanning tree problem. Information Processing Letters, 2001, 80, 179-187.	0.4	5
50	Reoptimization of maximum weight induced hereditary subgraph problems. Theoretical Computer Science, 2013, 514, 61-74.	0.5	5
51	Upper Domination: Towards a Dichotomy Through Boundary Properties. Algorithmica, 2018, 80, 2799-2817.	1.0	5
52	A Dichotomy for Upper Domination in Monogenic Classes. Lecture Notes in Computer Science, 2014, , 258-267.	1.0	5
53	Approximation result toward nearest neighbor heuristic. Yugoslav Journal of Operations Research, 2002, 12, 11-16.	0.5	5
54	On Labeled Traveling Salesman Problems. Lecture Notes in Computer Science, 2008, , 776-787.	1.0	5

#	ARTICLE	IF	CITATIONS
55	Complexity and Approximation Results for the Connected Vertex Cover Problem. , 2007, , 202-213.		5
56	Approximation results for the weighted $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevi. Journal Selective Graph Coloring in Some Special Classes of Graphs. Lecture Notes in Computer Science, 2012, , 320-331.$	0.7	4
57	Journal Selective Graph Coloring in Some Special Classes of Graphs. Lecture Notes in Computer Science, 2012, , 320-331.	1.0	4
58	Single approximation for the biobjective Max TSP. Theoretical Computer Science, 2013, 478, 41-50.	0.5	4
59	Resilience and optimization of identifiable bipartite graphs. Discrete Applied Mathematics, 2013, 161, 593-603.	0.5	4
60	Worst case compromises in matroids with applications to the allocation of indivisible goods. Theoretical Computer Science, 2015, 589, 121-140.	0.5	4
61	Congestion Games with Capacitated Resources. Theory of Computing Systems, 2015, 57, 598-616.	0.7	4
62	Extension of Some Edge Graph Problems: Standard and Parameterized Complexity. Lecture Notes in Computer Science, 2019, , 185-200.	1.0	4
63	The P_k Partition Problem and Related Problems in Bipartite Graphs. Lecture Notes in Computer Science, 2007, , 422-433.	1.0	4
64	New Results on Polynomial Inapproximability and Fixed Parameter Approximability of edge dominating set. Lecture Notes in Computer Science, 2012, , 25-36.	1.0	4
65	On the Maximum Independent Set Problem in Subclasses of Subcubic Graphs. Lecture Notes in Computer Science, 2013, , 314-326.	1.0	4
66	Differential approximation results for the Steiner tree problem. Applied Mathematics Letters, 2003, 16, 733-739.	1.5	3
67	The Exact Weighted Independent Set Problem in Perfect Graphs and Related Classes. Electronic Notes in Discrete Mathematics, 2009, 35, 317-322.	0.4	3
68	Algorithmic aspects of upper edge domination. Theoretical Computer Science, 2021, 877, 46-57.	0.5	3
69	On Complexity and Approximability of the Labeled Maximum/Perfect Matching Problems. Lecture Notes in Computer Science, 2005, , 934-943.	1.0	3
70	Differential Approximation Results for the Traveling Salesman Problem with Distances 1 and 2. Lecture Notes in Computer Science, 2001, , 275-286.	1.0	3
71	On the Impact of Local Taxes in a Set Cover Game. Lecture Notes in Computer Science, 2010, , 2-13.	1.0	3
72	Complexity of Paths, Trails and Circuits in Arc-Colored Digraphs. Lecture Notes in Computer Science, 2010, , 222-233.	1.0	3

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73	Congestion Games with Capacitated Resources. Lecture Notes in Computer Science, 2012, , 204-215.	1.0	3
74	A Protocol for Cutting Matroids Like Cakes. Lecture Notes in Computer Science, 2013, , 216-229.	1.0	3
75	Differential approximation of NP-hard problems with equal size feasible solutions. RAIRO - Operations Research, 2002, 36, 279-297.	1.0	3
76	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
77	Weighted Coloring: Further Complexity and Approximability Results. Lecture Notes in Computer Science, 2005, , 205-214.	1.0	3
78	Approximation Algorithms and Hardness Results for Labeled Connectivity Problems. Lecture Notes in Computer Science, 2006, , 480-491.	1.0	3
79	Local approximations for maximum partial subgraph problem. Operations Research Letters, 2004, 32, 217-224.	0.5	2
80	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
81	A note on the Clustered Set Covering Problem. Discrete Applied Mathematics, 2014, 164, 13-19.	0.5	2
82	Approximate tradeoffs on weighted labeled matroids. Discrete Applied Mathematics, 2015, 184, 154-166.	0.5	2
83	Upper Domination: Complexity and Approximation. Lecture Notes in Computer Science, 2016, , 241-252.	1.0	2
84	A Boundary Property for Upper Domination. Lecture Notes in Computer Science, 2016, , 229-240.	1.0	2
85	Weighted upper domination number. Electronic Notes in Discrete Mathematics, 2017, 62, 171-176.	0.4	2
86	Differential Approximation for Some Routing Problems. Lecture Notes in Computer Science, 2003, , 277-288.	1.0	2
87	Extension and Its Price for the Connected Vertex Cover Problem. Lecture Notes in Computer Science, 2019, , 315-326.	1.0	2
88	Algorithmic Aspects of Upper Domination: A Parameterised Perspective. Lecture Notes in Computer Science, 2016, , 113-124.	1.0	2
89	Reoptimization of the Maximum Weighted P k -Free Subgraph Problem under Vertex Insertion. Lecture Notes in Computer Science, 2012, , 76-87.	1.0	2
90	Reoptimization of Some Maximum Weight Induced Hereditary Subgraph Problems. Lecture Notes in Computer Science, 2012, , 73-84.	1.0	2

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91	The Complexity of the Exact Weighted Independent Set Problem. , 0, , 393-432.		1
92	The Complexity of Bottleneck Labeled Graph Problems. Algorithmica, 2010, 58, 245-262.	1.0	1
93	REOPTIMIZATION UNDER VERTEX INSERTION: MAX P_{k} -FREE SUBGRAPH AND MAX PLANAR SUBGRAPH. Discrete Mathematics, Algorithms and Applications, 2013, 05, 1360004.	0.4	1
94	The edge-recoloring cost of monochromatic and properly edge-colored paths and cycles. Theoretical Computer Science, 2015, 602, 89-102.	0.5	1
95	Bi-objective matchings with the triangle inequality. Theoretical Computer Science, 2017, 670, 1-10.	0.5	1
96	Complexity and approximability of extended Spanning Star Forest problems in general and complete graphs. Theoretical Computer Science, 2019, 775, 1-15.	0.5	1
97	Weighted Upper Edge Cover: Complexity and Approximability. Lecture Notes in Computer Science, 2019, , 235-247.	1.0	1
98	On the Complexity of the Upper r -Tolerant Edge Cover Problem. Lecture Notes in Computer Science, 2020, , 32-47.	1.0	1
99	Cooperation in Multiorganization Matching. Lecture Notes in Computer Science, 2009, , 78-91.	1.0	1
100	Truthful Many-to-Many Assignment with Private Weights. Lecture Notes in Computer Science, 2013, , 209-220.	1.0	1
101	Approximation Results for the Weighted P_4 Partition Problems. Lecture Notes in Computer Science, 2005, , 388-396.	1.0	1
102	Three Selfish Spanning Tree Games. Lecture Notes in Computer Science, 2008, , 465-476.	1.0	1
103	Selfish Scheduling with Setup Times. Lecture Notes in Computer Science, 2009, , 292-303.	1.0	1
104	Single Approximation for Biobjective $\hat{A}Max\hat{T}SP$. Lecture Notes in Computer Science, 2012, , 49-62.	1.0	1
105	Approximation with a Fixed Number of Solutions of Some Biobjective Maximization Problems. Lecture Notes in Computer Science, 2012, , 233-246.	1.0	1
106	Conference Program Design with Single-Peaked and Single-Crossing Preferences. Lecture Notes in Computer Science, 2016, , 221-235.	1.0	1
107	Extended Spanning Star Forest Problems. Lecture Notes in Computer Science, 2017, , 195-209.	1.0	1
108	Selfish Transportation Games. Lecture Notes in Computer Science, 2017, , 176-187.	1.0	1

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109	Maximum Independent Sets in Subcubic Graphs: New Results. Lecture Notes in Computer Science, 2019, , 40-52.	1.0	1
110	On the Performance of Congestion Games for Optimum Satisfiability Problems. , 2007, , 220-231.		1
111	Extension and its price for the connected vertex cover problem. Theoretical Computer Science, 2022, 904, 66-80.	0.5	1
112	Weighted Edge Coloring. , 0, , 291-317.		0
113	Approximation of Multi-criteria Min and MaxTSP(1, 2). , 0, , 37-69.		0
114	Complexity and Approximation Results for the Min Weighted Node Coloring Problem. , 0, , 259-289.		0
115	Approximation of the Clustered Set Covering Problem. Electronic Notes in Discrete Mathematics, 2010, 36, 479-485.	0.4	0
116	The Price of Optimum: Complexity and Approximation for a Matching Game. Algorithmica, 2017, 77, 836-866.	1.0	0
117	The Hypocoloring Problem: Complexity and Approximability Results when the Chromatic Number Is Small. Lecture Notes in Computer Science, 2004, , 377-388.	1.0	0
118	The Price of Optimum in a Matching Game. Lecture Notes in Computer Science, 2011, , 81-92.	1.0	0
119	Strategic Scheduling Games: Equilibria and Efficiency. Springer Optimization and Its Applications, 2012, , 209-244.	0.6	0
120	Complexity Results for the Empire Problem in Collection of Stars. Lecture Notes in Computer Science, 2012, , 73-82.	1.0	0
121	On a Simple Hedonic Game with Graph-Restricted Communication. Lecture Notes in Computer Science, 2019, , 252-265.	1.0	0
122	Some Tractable Instances of Interval Data Minmax Regret Problems: Bounded Distance from Triviality. , 2008, , 280-291.		0