

# Guillaume Ducoffe

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

148  
citations

1478505

6  
h-index

1372567

10  
g-index

30  
all docs

30  
docs citations

30  
times ranked

65  
citing authors

#	ARTICLE	IF	CITATIONS
1	The diameter of AT-free graphs. Journal of Graph Theory, 2022, 99, 594-614.	0.9	4
2	A story of diameter, radius, and (almost) Helly property. Networks, 2021, 77, 435-453.	2.7	8
3	Fast Approximation and Exact Computation of Negative Curvature Parameters of Graphs. Discrete and Computational Geometry, 2021, 65, 856-892.	0.6	6
4	Beyond Helly Graphs: The Diameter Problem on Absolute Retracts. Lecture Notes in Computer Science, 2021, , 321-335.	1.3	3
5	The use of a pruned modular decomposition for Maximum Matching algorithms on some graph classes. Discrete Applied Mathematics, 2021, 291, 201-222.	0.9	3
6	The b-Matching problem in distance-hereditary graphs and beyond. Discrete Applied Mathematics, 2021, 305, 233-246.	0.9	0
7	Faster Approximation Algorithms for Computing Shortest Cycles on Weighted Graphs. SIAM Journal on Discrete Mathematics, 2021, 35, 953-969.	0.8	3
8	Treelength of Series-parallel Graphs. Procedia Computer Science, 2021, 195, 30-38.	2.0	0
9	On the (di)graphs with (directed) proper connection number two. Discrete Applied Mathematics, 2020, 281, 203-215.	0.9	5
10	On the Complexity of Computing Treebreadth. Algorithmica, 2020, 82, 1574-1600.	1.3	3
11	Diameter computation on $H$ -minor free graphs and graphs of bounded (distance) VC-dimension. , 2020, , 1905-1922.		9
12	Fully Polynomial FPT Algorithms for Some Classes of Bounded Clique-width Graphs. ACM Transactions on Algorithms, 2019, 15, 1-57.	1.0	26
13	How long does it take for all users in a social network to choose their communities?. Discrete Applied Mathematics, 2019, 270, 37-57.	0.9	1
14	Easy computation of eccentricity approximating trees. Discrete Applied Mathematics, 2019, 260, 267-271.	0.9	2
15	Equivalence between pathbreadth and strong pathbreadth. Discrete Applied Mathematics, 2019, 262, 185-188.	0.9	0
16	Finding cut-vertices in the square roots of a graph. Discrete Applied Mathematics, 2019, 257, 158-174.	0.9	5
17	Low time complexity algorithms for path computation in Cayley Graphs. Discrete Applied Mathematics, 2019, 259, 218-225.	0.9	3
18	Fast Diameter Computation Within Split-Graphs. Lecture Notes in Computer Science, 2019, , 155-167.	1.3	3

#	ARTICLE	IF	CITATIONS
19	A short note on the complexity of computing strong pathbreadth. Information Processing Letters, 2018, 133, 56-58.	0.6	2
20	Revisiting Decomposition by Clique Separators. SIAM Journal on Discrete Mathematics, 2018, 32, 682-694.	0.8	7
21	On distance-preserving elimination orderings in graphs: Complexity and algorithms. Discrete Applied Mathematics, 2018, 243, 140-153.	0.9	1
22	Fully polynomial FPT algorithms for some classes of bounded clique-width graphs. , 2018, , 2765-2784.		7
23	A simple approach for lower-bounding the distortion in any Hyperbolic embedding. Electronic Notes in Discrete Mathematics, 2017, 61, 293-299.	0.4	1
24	On the (di)graphs with (directed) proper connection number two. Electronic Notes in Discrete Mathematics, 2017, 62, 237-242.	0.4	8
25	On the Complexity of Computing Treebreadth. Lecture Notes in Computer Science, 2016, , 3-15.	1.3	4
26	To Approximate Treewidth, Use Treelength!. SIAM Journal on Discrete Mathematics, 2016, 30, 1424-1436.	0.8	8
27	On the hyperbolicity of bipartite graphs and intersection graphs. Discrete Applied Mathematics, 2016, 214, 187-195.	0.9	8
28	Recognition of $C_4$ -Free and $1/2$ -Hyperbolic Graphs. SIAM Journal on Discrete Mathematics, 2014, 28, 1601-1617.	0.8	16
29	Hamiltonicity of large generalized de Bruijn cycles. Discrete Applied Mathematics, 2013, 161, 2200-2204.	0.9	2
30	Maximum Matching in Almost Linear Time on Graphs of Bounded Clique-Width. Algorithmica, 0, , .	1.3	0