Christophe Paul

List of Publications by Year
in descending order

94	2,325	218381	233125
papers	citations	26	45
		h-index	g-index

100	100	100	852
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A polynomial time algorithm to compute the connected treewidth of a series–parallel graph. Discrete Applied Mathematics, 2022, 312, 72-85.	0.5	2
2	Linear Kernels for Edge Deletion Problems to Immersion-Closed Graph Classes. SIAM Journal on Discrete Mathematics, 2021, 35, 105-151.	0.4	4
3	Connected search for a lazy robber. Journal of Graph Theory, 2021, 97, 510-552.	0.5	1
4	A Menger-like property of tree-cut width. Journal of Combinatorial Theory Series B, 2021, 148, 1-22.	0.6	1
5	Special Issue Dedicated to the 13th International Symposium on Parameterized and Exact Computation. Algorithmica, 2020, 82, 2133-2134.	1.0	0
6	Strong immersion is a well-quasi-ordering for semicomplete digraphs. Journal of Graph Theory, 2019, 90, 484-496.	0.5	2
7	An FPT 2-Approximation for Tree-Cut Decomposition. Algorithmica, 2018, 80, 116-135.	1.0	10
8	Parameterized algorithms for min-max multiway cut and list digraph homomorphism. Journal of Computer and System Sciences, 2017, 86, 191-206.	0.9	1
9	A polynomial-time algorithm for Outerplanar Diameter Improvement. Journal of Computer and System Sciences, 2017, 89, 315-327.	0.9	2
10	Parameterized complexity of the MINCCA problem on graphs of bounded decomposability. Theoretical Computer Science, 2017, 690, 91-103.	0.5	7
11	An FPT Algorithm and a Polynomial Kernel for Linear Rankwidth-1 Vertex Deletion. Algorithmica, 2017, 79, 66-95.	1.0	4
12	Efficient FPT Algorithms for (Strict) Compatibility of Unrooted Phylogenetic Trees. Bulletin of Mathematical Biology, 2017, 79, 920-938.	0.9	6
13	On the consistency of orthology relationships. BMC Bioinformatics, 2016, 17, 416.	1.2	3
14	Contraction obstructions for connected graph searching. Discrete Applied Mathematics, 2016, 209, 27-47.	0.5	8
15	Parameterized Complexity of the MINCCA Problem on Graphs of Bounded Decomposability. Lecture Notes in Computer Science, 2016, , 195-206.	1.0	0
16	Linear kernel for Rooted Triplet Inconsistency and other problems based on conflict packing technique. Journal of Computer and System Sciences, 2016, 82, 366-379.	0.9	2
17	Linear Kernels and Single-Exponential Algorithms Via Protrusion Decompositions. ACM Transactions on Algorithms, 2016, 12, 1-41.	0.9	65
18	Split Decomposition via Graph-Labelled Trees. , 2016, , 2051-2056.		0

#	ARTICLE	IF	CITATIONS
19	Explicit Linear Kernels via Dynamic Programming. SIAM Journal on Discrete Mathematics, 2015, 29, 1864-1894.	0.4	42
20	Hadwiger Number of Graphs with Small Chordality. SIAM Journal on Discrete Mathematics, 2015, 29, 1427-1451.	0.4	4
21	A single-exponential FPT algorithm for the K4-minor cover problem. Journal of Computer and System Sciences, 2015, 81, 186-207.	0.9	3
22	An FPT 2-Approximation for Tree-cut Decomposition. Lecture Notes in Computer Science, 2015, , 35-46.	1.0	5
23	Contracting Graphs to Paths and Trees. Algorithmica, 2014, 68, 109-132.	1.0	29
24	Parameterized Domination in Circle Graphs. Theory of Computing Systems, 2014, 54, 45-72.	0.7	4
25	Practical and Efficient Circle Graph Recognition. Algorithmica, 2014, 69, 759-788.	1.0	14
26	Practical and Efficient Split Decomposition via Graph-Labelled Trees. Algorithmica, 2014, 69, 789-843.	1.0	12
27	Contracting chordal graphs and bipartite graphs to paths and trees. Discrete Applied Mathematics, 2014, 164, 444-449.	0.5	9
28	Hitting and Harvesting Pumpkins. SIAM Journal on Discrete Mathematics, 2014, 28, 1363-1390.	0.4	12
29	Outerplanar obstructions for matroid pathwidth. Discrete Mathematics, 2014, 315-316, 95-101.	0.4	10
30	Hadwiger Number of Graphs with Small Chordality. Lecture Notes in Computer Science, 2014, , 201-213.	1.0	3
31	Split Decomposition via Graph-Labelled Trees. , 2014, , 1-7.		0
32	On the (Non-)Existence of Polynomial Kernels for P l -Free Edge Modification Problems. Algorithmica, 2013, 65, 900-926.	1.0	69
33	Obtaining a Bipartite Graph by Contracting Few Edges. SIAM Journal on Discrete Mathematics, 2013, 27, 2143-2156.	0.4	27
34	Linear Kernels and Single-Exponential Algorithms via Protrusion Decompositions. Lecture Notes in Computer Science, 2013, , 613-624.	1.0	21
35	Connected graph searching. Information and Computation, 2012, 219, 1-16.	0.5	32
36	QUARTETS AND UNROOTED PHYLOGENETIC NETWORKS. Journal of Bioinformatics and Computational Biology, 2012, 10, 1250004.	0.3	29

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37	Split decomposition and graph-labelled trees: Characterizations and fully dynamic algorithms for totally decomposable graphs. Discrete Applied Mathematics, 2012, 160, 708-733.	0.5	24
38	Contracting Graphs to Paths and Trees. Lecture Notes in Computer Science, 2012, , 55-66.	1.0	7
39	Parameterized Domination in Circle Graphs. Lecture Notes in Computer Science, 2012, , 308-319.	1.0	3
40	Kernels for feedback arc set in tournaments. Journal of Computer and System Sciences, 2011, 77, 1071-1078.	0.9	65
41	Paths of bounded length and their cuts: Parameterized complexity and algorithms. Discrete Optimization, 2011, 8, 72-86.	0.6	31
42	Contracting planar graphs to contractions of triangulations. Journal of Discrete Algorithms, 2011, 9, 299-306.	0.7	1
43	Conflict Packing Yields Linear Vertex-Kernels for k -FAST, k -dense RTI and a Related Problem. Lecture Notes in Computer Science, 2011, , 497-507.	1.0	9
44	Fully Dynamic Algorithm for Recognition and Modular Decomposition of Permutation Graphs. Algorithmica, 2010, 58, 405-432.	1.0	13
45	A survey of the algorithmic aspects of modular decomposition. Computer Science Review, 2010, 4, 41-59.	10.2	143
46	Polynomial kernels for 3-leaf power graph modification problems. Discrete Applied Mathematics, 2010, 158, 1732-1744.	0.5	12
47	Bidimensionality and Kernels. , 2010, , .		73
48	Dynamic Programming for Graphs on Surfaces. Lecture Notes in Computer Science, 2010, , 372-383.	1.0	8
49	Milling a Graph with Turn Costs: A Parameterized Complexity Perspective. Lecture Notes in Computer Science, 2010, , 123-134.	1.0	7
50	Generalized Graph Clustering: Recognizing (p,q)-Cluster Graphs. Lecture Notes in Computer Science, 2010, , 171-183.	1.0	8
51	On the (Non-)existence of Polynomial Kernels for P l -free Edge Modification Problems. Lecture Notes in Computer Science, 2010, , 147-157.	1.0	7
52	Computation of Perfect DCJ Rearrangement Scenarios with Linear and Circular Chromosomes. Journal of Computational Biology, 2009, 16, 1287-1309.	0.8	10
53	Linear time 3-approximation for the MAST problem. ACM Transactions on Algorithms, 2009, 5, 1-18.	0.9	2
54	On the approximability of the Maximum Agreement SubTree and Maximum Compatible Tree problems. Discrete Applied Mathematics, 2009, 157, 1555-1570.	0.5	3

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55	Branchwidth of chordal graphs. Discrete Applied Mathematics, 2009, 157, 2718-2725.	0.5	2
56	Kinetic maintenance of mobile k-centres on trees. Discrete Applied Mathematics, 2009, 157, 1432-1446.	0.5	1
57	Edge-maximal graphs of branchwidth k: The k-branches. Discrete Mathematics, 2009, 309, 1467-1475.	0.4	1
58	Computing galled networks from real data. Bioinformatics, 2009, 25, i85-i93.	1.8	56
59	Interval Completion Is Fixed Parameter Tractable. SIAM Journal on Computing, 2009, 38, 2007-2020.	0.8	41
60	Graph Searching in a Crime Wave. SIAM Journal on Discrete Mathematics, 2009, 23, 349-368.	0.4	10
61	The Structure of Level-k Phylogenetic Networks. Lecture Notes in Computer Science, 2009, , 289-300.	1.0	14
62	Polynomial Kernels for 3-Leaf Power Graph Modification Problems. Lecture Notes in Computer Science, 2009, , 72-82.	1.0	0
63	A more efficient algorithm for perfect sorting by reversals. Information Processing Letters, 2008, 106, 90-95.	0.4	10
64	Competitive graph searches. Theoretical Computer Science, 2008, 393, 72-80.	0.5	6
65	An annotated bibliography on guaranteed graph searching. Theoretical Computer Science, 2008, 399, 236-245.	0.5	255
66	A Simple Linear Time LexBFS Cograph Recognition Algorithm. SIAM Journal on Discrete Mathematics, 2008, 22, 1277-1296.	0.4	39
67	Optimal Distance Labeling for Interval Graphs and Related Graph Families. SIAM Journal on Discrete Mathematics, 2008, 22, 1239-1258.	0.4	18
68	Simpler Linear-Time Modular Decomposition Via Recursive Factorizing Permutations. Lecture Notes in Computer Science, 2008, , 634-645.	1.0	73
69	Interval completion with few edges. , 2007, , .		21
70	Perfect Sorting by Reversals Is Not Always Difficult. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2007, 4, 4-16.	1.9	42
71	Dynamic Distance Hereditary Graphs Using Split Decomposition. Lecture Notes in Computer Science, 2007, , 41-51.	1.0	8
72	Can transitive orientation make sandwich problems easier?. Discrete Mathematics, 2007, 307, 2030-2041.	0.4	3

#	ARTICLE	IF	CITATIONS
73	Eclecticism shrinks even small worlds. Distributed Computing, 2006, 18, 279-291.	0.7	18
74	Cutwidth I: A linear time fixed parameter algorithm. Journal of Algorithms, 2005, 56, 1-24.	0.9	49
75	Cutwidth II: Algorithms for partial w-trees of bounded degree. Journal of Algorithms, 2005, 56, 25-49.	0.9	38
76	Edge-maximal graphs of branchwidth k. Electronic Notes in Discrete Mathematics, 2005, 22, 363-368.	0.4	1
77	A simple linear time algorithm for cograph recognition. Discrete Applied Mathematics, 2005, 145, 183-197.	0.5	64
78	Connected Graph Searching in Outerplanar Graphs. Electronic Notes in Discrete Mathematics, 2005, 22, 213-216.	0.4	17
79	Revisiting T.ÂUno and M.ÂYagiuraâ€™s Algorithm. Lecture Notes in Computer Science, 2005, , 146-155.	1.0	11
80	Fully Dynamic Algorithm for Recognition and Modular Decomposition of Permutation Graphs. Lecture Notes in Computer Science, 2005, , 38-48.	1.0	5
81	A Simple Linear-Time Modular Decomposition Algorithm for Graphs, Using Order Extension. Lecture Notes in Computer Science, 2004, , 187-198.	1.0	22
82	Computing Small Search Numbers in Linear Time. Lecture Notes in Computer Science, 2004, , 37-48.	1.0	12
83	A note on finding all homogeneous set sandwiches. Information Processing Letters, 2003, 87, 147-151.	0.4	4
84	On the monotonicity of games generated by symmetric submodular functions. Discrete Applied Mathematics, 2003, 131, 323-335.	0.5	22
85	Distance labeling scheme and split decomposition. Discrete Mathematics, 2003, 273, 115-130.	0.4	33
86	A Simple Linear Time LexBFS Cograph Recognition Algorithm. Lecture Notes in Computer Science, 2003, , 119-130.	1.0	21
87	Searching Is Not Jumping. Lecture Notes in Computer Science, 2003, , 34-45.	1.0	36
88	Diameter determination on restricted graph families. Discrete Applied Mathematics, 2001, 113, 143-166.	0.5	55
89	A simple paradigm for graph recognition: application to cographs and distance hereditary graphs. Theoretical Computer Science, 2001, 263, 99-111.	0.5	51
90	Split Decomposition and Distance Labelling: An Optimal Scheme For Distance Hereditary Graphs. Electronic Notes in Discrete Mathematics, 2001, 10, 117-120.	0.4	16

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91	Lex-BFS and partition refinement, with applications to transitive orientation, interval graph recognition and consecutive ones testing. Theoretical Computer Science, 2000, 234, 59-84.	0.5	203
92	Approximate Distance Labeling Schemes. Electronic Notes in Discrete Mathematics, 2000, 5, 134-137.	0.4	0
93	PARTITION REFINEMENT TECHNIQUES: AN INTERESTING ALGORITHMIC TOOL KIT. International Journal of Foundations of Computer Science, 1999, 10, 147-170.	0.8	55
94	Fugitive-search games on graphs and related parameters. Theoretical Computer Science, 1997, 172, 233-254.	0.5	97