JirÌ‚Ã‐ Fiala

List of Publications by Year
in descending order

62 papers	**924** citations	471477 **17** h-index	501174 **28** g-index
68 all docs	**68** docs citations	**68** times ranked	**318** citing authors

#	Article	IF	Citations
1	List Covering ofÂRegular Multigraphs. Lecture Notes in Computer Science, 2022, , 228-242.	1.3	4
2	On Edge-Length Ratios of Partial 2-Trees. International Journal of Computational Geometry and Applications, 2021, 31, 141-162.	0.5	0
3	Reconfiguration graph for vertex colourings of weakly chordal graphs. Discrete Mathematics, 2020, 343, 111733.	0.7	5
4	On the Edge-Length Ratio of 2-Trees. Lecture Notes in Computer Science, 2020, , 85-98.	1.3	2
5	Parameterized complexity of distance labeling and uniform channel assignment problems. Discrete Applied Mathematics, 2018, 248, 46-55.	0.9	6
6	3-connected reduction for regular graph covers. European Journal of Combinatorics, 2018, 73, 170-210.	0.8	5
7	On Vertex- and Empty-Ply Proximity Drawings. Lecture Notes in Computer Science, 2018, , 24-37.	1.3	2
8	Fractal property of the graph homomorphism order. European Journal of Combinatorics, 2017, 66, 101-109.	0.8	2
9	Gaps in full homomorphism order. Electronic Notes in Discrete Mathematics, 2017, 61, 429-435.	0.4	0
10	Fixed Parameter Complexity of Distance Constrained Labeling and Uniform Channel Assignment Problems. Lecture Notes in Computer Science, 2016, , 67-78.	1.3	3
11	Linearâ€Time Algorithms for Scattering Number and Hamiltonâ€Connectivity of Interval Graphs. Journal of Graph Theory, 2015, 79, 282-299.	0.9	20
12	Locally constrained homomorphisms on graphs of bounded treewidth and bounded degree. Theoretical Computer Science, 2015, 590, 86-95.	0.9	8
13	An universality argument for graph homomorphisms. Electronic Notes in Discrete Mathematics, 2015, 49, 643-649.	0.4	1
14	Universality of intervals of line graph order. European Journal of Combinatorics, 2014, 41, 221-231.	0.8	4
15	Algorithmic Aspects of Regular Graph Covers with Applications to Planar Graphs. Lecture Notes in Computer Science, 2014, , 489-501.	1.3	4
16	Locally Constrained Homomorphisms on Graphs of Bounded Treewidth and Bounded Degree. Lecture Notes in Computer Science, 2013, , 121-132.	1.3	1
17	Linear-Time Algorithms for Scattering Number and Hamilton-Connectivity of Interval Graphs. Lecture Notes in Computer Science, 2013, , 127-138.	1.3	0
18	Dichotomy of the H-Quasi-Cover Problem. Lecture Notes in Computer Science, 2013, , 310-321.	1.3	1

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19	Detecting induced star-like minors in polynomial time. Journal of Discrete Algorithms, 2012, 17, 74-85.	0.7	4
20	Distance three labelings of trees. Discrete Applied Mathematics, 2012, 160, 764-779.	0.9	9
21	The k-in-a-Path Problem for Claw-free Graphs. Algorithmica, 2012, 62, 499-519.	1.3	27
22	Parameterized complexity of coloring problems: Treewidth versus vertex cover. Theoretical Computer Science, 2011, 412, 2513-2523.	0.9	49
23	Comparing Universal Covers in Polynomial Time. Theory of Computing Systems, 2010, 46, 620-635.	1.1	8
24	Complexity of the packing coloring problem for trees. Discrete Applied Mathematics, 2010, 158, 771-778.	0.9	48
25	The packing chromatic number of infinite product graphs. European Journal of Combinatorics, 2009, 30, 1101-1113.	0.8	40
26	Parameterized Complexity of Coloring Problems: Treewidth versus Vertex Cover. Lecture Notes in Computer Science, 2009, , 221-230.	1.3	8
27	On the computational complexity of partial covers of Theta graphs. Discrete Applied Mathematics, 2008, 156, 1143-1149.	0.9	15
28	Block transitivity and degree matrices. European Journal of Combinatorics, 2008, 29, 1160-1172.	0.8	0
29	Locally constrained graph homomorphisms and equitable partitions. European Journal of Combinatorics, 2008, 29, 850-880.	0.8	13
30	Locally constrained graph homomorphismsâ€"structure, complexity, and applications. Computer Science Review, 2008, 2, 97-111.	15.3	49
31	Computational Complexity of the Distance Constrained Labeling Problem for Trees (Extended) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.3	12
32	Comparing Universal Covers in Polynomial Time. , 2008, , 158-167.		1
33	Complexity of the Packing Coloring Problem for Trees. Lecture Notes in Computer Science, 2008, , 134-145.	1.3	1
34	Distance Constrained Labelings of Trees. , 2008, , 125-135.		3
35	Block transitivity and degree matrices. Electronic Notes in Discrete Mathematics, 2007, 28, 77-82.	0.4	0
36	Cantorâ€"Bernstein type theorem for locally constrained graph homomorphisms. European Journal of Combinatorics, 2006, 27, 1111-1116.	0.8	6

#	ARTICLE	IF	CITATIONS
37	Locally Injective Graph Homomorphism: Lists Guarantee Dichotomy. Lecture Notes in Computer Science, 2006, , 15-26.	1.3	13
38	Independence and Coloring Problems on Intersection Graphs of Disks. Lecture Notes in Computer Science, 2006, , 135-155.	1.3	11
39	A complete complexity classification of the role assignment problem. Theoretical Computer Science, 2005, 349, 67-81.	0.9	50
40	Systems of distant representatives. Discrete Applied Mathematics, 2005, 145, 306-316.	0.9	41
41	Generalized list T-colorings of cycles. Discrete Applied Mathematics, 2005, 148, 13-25.	0.9	1
42	Distance Constrained Labelings of Graphs of Bounded Treewidth. Lecture Notes in Computer Science, 2005, , 360-372.	1.3	28
43	Matrix and Graph Orders Derived from Locally Constrained Graph Homomorphisms. Lecture Notes in Computer Science, 2005, , 340-351.	1.3	6
44	A Brooks-Type Theorem for the Generalized List T-Coloring. SIAM Journal on Discrete Mathematics, 2005, 19, 588-609.	0.8	8
45	On the Computational Complexity of the L (2,1)-Labeling Problem for Regular Graphs. Lecture Notes in Computer Science, 2005, , 228-236.	1.3	5
46	Algorithms for Comparability of Matrices in Partial Orders Imposed by Graph Homomorphisms. Lecture Notes in Computer Science, 2005, , 115-126.	1.3	1
47	On distance constrained labeling of disk graphs. Theoretical Computer Science, 2004, 326, 261-292.	0.9	21
48	Geometric separation and exact solutions for the parameterized independent set problem on disk graphs. Journal of Algorithms, 2004, 52, 134-151.	0.9	59
49	Elegant Distance Constrained Labelings of Trees. Lecture Notes in Computer Science, 2004, , 58-67.	1.3	2
50	NP completeness of the edge precoloring extension problem on bipartite graphs. Journal of Graph Theory, 2003, 43, 156-160.	0.9	25
51	Graph Subcolorings: Complexity and Algorithms. SIAM Journal on Discrete Mathematics, 2003, 16, 635-650.	0.8	21
52	The Computational Complexity of the Role Assignment Problem. Lecture Notes in Computer Science, 2003, , 817-828.	1.3	15
53	On-line coloring of geometric intersection graphs. Computational Geometry: Theory and Applications, 2002, 23, 243-255.	0.5	12
54	Scheduling of Independent Dedicated Multiprocessor Tasks. Lecture Notes in Computer Science, 2002, , 391-402.	1.3	14

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55	Generalized H-Coloring and H-Covering of Trees. Lecture Notes in Computer Science, 2002, , 198-210.	1.3	3
56	Partial covers of graphs. Discussiones Mathematicae - Graph Theory, 2002, 22, 89.	0.3	44
57	Fixed-parameter complexity of Î»-labelings. Discrete Applied Mathematics, 2001, 113, 59-72.	0.9	103
58	Computational complexity of covering cyclic graphs. Discrete Mathematics, 2001, 235, 87-94.	0.7	0
59	Online and Offline Distance Constrained Labeling of Disk Graphs. Lecture Notes in Computer Science, 2001, , 464-475.	1.3	7
60	Distance Constrained Labeling of Precolored Trees. Lecture Notes in Computer Science, 2001, , 285-292.	1.3	17
61	Complexity of Partial Covers of Graphs. Lecture Notes in Computer Science, 2001, , 537-549.	1.3	23
62	Fixed-Parameter Complexity of Î»-Labelings. Lecture Notes in Computer Science, 1999, , 350-363.	1.3	19