Pavol Hell

List of Publications by Year
in descending order

47 **papers**	1,697 **citations**
430874 — 18 **h-index**	276875 — 41 **g-index**
49 **all docs**	49 **docs citations**
49 **times ranked**	340 **citing authors**

#	Article	IF	Citations
1	On the complexity of H-coloring. Journal of Combinatorial Theory Series B, 1990, 48, 92-110.	1.0	542
2	List Homomorphisms and Circular Arc Graphs. Combinatorica, 1999, 19, 487-505.	1.2	135
3	List Partitions. SIAM Journal on Discrete Mathematics, 2003, 16, 449-478.	0.8	117
4	List Homomorphisms to Reflexive Graphs. Journal of Combinatorial Theory Series B, 1998, 72, 236-250.	1.0	113
5	Bi-arc graphs and the complexity of list homomorphisms. Journal of Graph Theory, 2003, 42, 61-80.	0.9	87
6	Colouring, constraint satisfaction, and complexity. Computer Science Review, 2008, 2, 143-163.	15.3	62
7	The Complexity of Colouring by Semicomplete Digraphs. SIAM Journal on Discrete Mathematics, 1988, 1, 281-298.	0.8	59
8	Partitioning chordal graphs into independent sets and cliques. Discrete Applied Mathematics, 2004, 141, 185-194.	0.9	57
9	The effect of two cycles on the complexity of colourings by directed graphs. Discrete Applied Mathematics, 1990, 26, 1-23.	0.9	50
10	Absolute Retracts and Varieties of Reflexive Graphs. Canadian Journal of Mathematics, 1987, 39, 544-567.	0.6	43
11	List matrix partitions of chordal graphs. Theoretical Computer Science, 2005, 349, 52-66.	0.9	41
12	The complexity of H-colouring of bounded degree graphs. Discrete Mathematics, 2000, 222, 101-109.	0.7	34
13	Full Constraint Satisfaction Problems. SIAM Journal on Computing, 2006, 36, 230-246.	1.0	28
14	Graph partitions with prescribed patterns. European Journal of Combinatorics, 2014, 35, 335-353.	0.8	25
15	Polarity of chordal graphs. Discrete Applied Mathematics, 2008, 156, 2469-2479.	0.9	23
16	Complexity of coloring graphs without paths and cycles. Discrete Applied Mathematics, 2017, 216, 211-232.	0.9	23
17	Matrix partitions of perfect graphs. Discrete Mathematics, 2006, 306, 2450-2460.	0.7	22
18	Influence diffusion in social networks under time window constraints. Theoretical Computer Science, 2015, 584, 53-66.	0.9	21

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19	Interval graphs, adjusted interval digraphs, and reflexive list homomorphisms. Discrete Applied Mathematics, 2012, 160, 697-707.	0.9	20
20	The complexity of signed graph and edge-coloured graph homomorphisms. Discrete Mathematics, 2017, 340, 223-235.	0.7	19
21	Hereditarily hard H-colouring problems. Discrete Mathematics, 1995, 138, 75-92.	0.7	18
22	On realizations of point determining graphs, and obstructions to full homomorphisms. Discrete Mathematics, 2008, 308, 1639-1652.	0.7	18
23	The Dichotomy of List Homomorphisms for Digraphs. , 2011, , .		17
24	Digraph matrix partitions and trigraph homomorphisms. Discrete Applied Mathematics, 2006, 154, 2458-2469.	0.9	16
25	Near-Unanimity Functions and Varieties of Reflexive Graphs. SIAM Journal on Discrete Mathematics, 2008, 22, 938-960.	0.8	16
26	On chordal proper circular arc graphs. Discrete Mathematics, 1994, 128, 395-398.	0.7	15
27	Matrix Partitions with Finitely Many Obstructions. Electronic Journal of Combinatorics, 2007, 14, .	0.4	11
28	Generalized Colourings (Matrix Partitions) of Cographs. , 2006, , 149-167.		9
29	The complexity of tropical graph homomorphisms. Discrete Applied Mathematics, 2017, 229, 64-81.	0.9	7
30	A simple combinatorial interpretation of certain generalized Bell and Stirling numbers. Discrete Mathematics, 2014, 318, 53-57.	0.7	6
31	From Graph Colouring to Constraint Satisfaction: There and Back Again. , 2006, , 407-432.		6
32	On homomorphisms to edge-coloured cycles. Electronic Notes in Discrete Mathematics, 2000, 5, 46-49.	0.4	5
33	Graphs Admitting k-NU Operations. Part 1: The Reflexive Case. SIAM Journal on Discrete Mathematics, 2013, 27, 1940-1963.	0.8	5
34	Obstructions to partitions of chordal graphs. Discrete Mathematics, 2013, 313, 1861-1871.	0.7	3
35	Blocking Quadruple: A New Obstruction to Circular-Arc Graphs. SIAM Journal on Discrete Mathematics, 2014, 28, 631-655.	0.8	3
36	Matrix partitions of split graphs. Discrete Applied Mathematics, 2014, 166, 91-96.	0.9	3

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37	Distance-two colourings of Barnette graphs. European Journal of Combinatorics, 2021, 91, 103210.	0.8	3
38	Partitioning Chordal Graphs. Electronic Notes in Discrete Mathematics, 2011, 38, 325-330.	0.4	2
39	Obstructions to chordal circular-arc graphs of small independence number. Electronic Notes in Discrete Mathematics, 2013, 44, 75-81.	0.4	2
40	Join colourings of chordal graphs. Discrete Mathematics, 2015, 338, 2453-2461.	0.7	2
41	Strict chordal and strict split digraphs. Discrete Applied Mathematics, 2017, 216, 609-617.	0.9	2
42	Connected obstructions to full graph homomorphisms. European Journal of Combinatorics, 2014, 41, 278-288.	0.8	1
43	Colourings, homomorphisms, and partitions of transitive digraphs. European Journal of Combinatorics, 2017, 60, 55-65.	0.8	1
44	Correspondence Homomorphisms to Reflexive Graphs. Electronic Notes in Discrete Mathematics, 2017, 62, 9-14.	0.4	1
45	Minimal obstructions to 2-polar cographs. Discrete Applied Mathematics, 2019, 261, 219-228.	0.9	1
46	Semilattice polymorphisms and chordal graphs. European Journal of Combinatorics, 2014, 36, 694-706.	0.8	0
47	Complexity of correspondence H-colourings. Discrete Applied Mathematics, 2020, 281, 235-245.	0.9	0