Eric Sopena

List of Publications by Year
in descending order

66 papers	**1,007** citations	516561 **16** h-index	454834 **30** g-index
67 all docs	**67** docs citations	**67** times ranked	**220** citing authors

#	Article	IF	Citations
1	On the broadcast independence number of locally uniform 2-lobsters. Discussiones Mathematicae - Graph Theory, 2024, 44, 199.	0.2	1
2	Further evidence towards the multiplicative 1-2-3 Conjecture. Discrete Applied Mathematics, 2022, 307, 135-144.	0.5	3
3	On the signed chromatic number of some classes of graphs. Discrete Mathematics, 2022, 345, 112664.	0.4	3
4	Homomorphisms of signed graphs: An update. European Journal of Combinatorics, 2021, 91, 103222.	0.5	19
5	Pushable chromatic number of graphs with degree constraints. Discrete Mathematics, 2021, 344, 112151.	0.4	3
6	Exact square coloring of subcubic planar graphs. Discrete Applied Mathematics, 2021, 293, 74-89.	0.5	6
7	Proper connection and proper-walk connection of digraphs. Applied Mathematics and Computation, 2021, 410, 126253.	1.4	1
8	Distinguishing numbers and distinguishing indices of oriented graphs. Discrete Applied Mathematics, 2020, 285, 330-342.	0.5	2
9	Broadcasts on paths and cycles. Discrete Applied Mathematics, 2020, 283, 375-395.	0.5	2
10	A connected version of the graph coloring game. Discrete Applied Mathematics, 2020, 283, 744-750.	0.5	6
11	On the distinguishing number of cyclic tournaments: Towards the Albertson–Collins Conjecture. Discrete Applied Mathematics, 2019, 266, 219-236.	0.5	2
12	Oriented colourings of graphs with maximum degree three and four. Discrete Mathematics, 2019, 342, 959-974.	0.4	6
13	Incidence choosability of graphs. Discrete Applied Mathematics, 2019, 265, 40-55.	0.5	2
14	Edge weights and vertex colours: Minimizing sum count. Discrete Applied Mathematics, 2019, 270, 13-24.	0.5	7
15	2-distance colorings of integer distance graphs. Discussiones Mathematicae - Graph Theory, 2019, 39, 589.	0.2	3
16	Rainbow connections in digraphs. Discrete Applied Mathematics, 2018, 243, 248-261.	0.5	3
17	On the broadcast independence number of caterpillars. Discrete Applied Mathematics, 2018, 244, 20-35.	0.5	6
18	Strong rainbow connection in digraphs. Discrete Applied Mathematics, 2018, 238, 133-143.	0.5	4

#	Article	IF	Citations
19	Ice sliding games. International Journal of Game Theory, 2018, 47, 487-508.	0.5	0
20	Neighbour-sum-2-distinguishing edge-weightings: Doubling the 1–2–3 Conjecture. Discrete Applied Mathematics, 2018, 251, 83-92.	0.5	1
21	Octal games on graphs: The game 0.33 on subdivided stars and bistars. Theoretical Computer Science, 2018, 746, 19-35.	0.5	2
22	On locally irregular decompositions of subcubic graphs. Opuscula Mathematica, 2018, 38, 795.	0.3	1
23	Equitable neighbour-sum-distinguishing edge and total colourings. Discrete Applied Mathematics, 2017, 222, 40-53.	0.5	5
24	The neighbour-sum-distinguishing edge-colouring game. Discrete Mathematics, 2017, 340, 1564-1572.	0.4	1
25	Outerplanar and Planar Oriented Cliques. Journal of Graph Theory, 2016, 82, 165-193.	0.5	13
26	i-Mark: A new subtraction division game. Theoretical Computer Science, 2016, 627, 90-101.	0.5	1
27	Homomorphisms and colourings of oriented graphs: An updated survey. Discrete Mathematics, 2016, 339, 1993-2005.	0.4	35
28	Homomorphisms of Signed Graphs. Journal of Graph Theory, 2015, 79, 178-212.	0.5	49
29	The incidence game chromatic number of (a,d)-decomposable graphs. Journal of Discrete Algorithms, 2015, 31, 14-25.	0.7	3
30	On the complexity of determining the irregular chromatic index of a graph. Journal of Discrete Algorithms, 2015, 30, 113-127.	0.7	15
31	An oriented version of the 1-2-3 Conjecture. Discussiones Mathematicae - Graph Theory, 2015, 35, 141.	0.2	8
32	A note on the cubical dimension of new classes of binary trees. Czechoslovak Mathematical Journal, 2015, 65, 151-160.	0.3	2
33	Dicots, and a taxonomic ranking for misère games. Journal of Combinatorial Theory - Series A, 2015, 130, 42-63.	0.5	2
34	Rainbow connection in oriented graphs. Discrete Applied Mathematics, 2014, 179, 69-78.	0.5	18
35	Complete oriented colourings and the oriented achromatic number. Discrete Applied Mathematics, 2014, 173, 102-112.	0.5	5
36	The incidence chromatic number of toroidal grids. Discussiones Mathematicae - Graph Theory, 2013, 33, 315.	0.2	7

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37	Upper oriented chromatic number of undirected graphs and oriented colorings of product graphs. Discussiones Mathematicae - Graph Theory, 2012, 32, 517.	0.2	6
38	Homomorphisms of 2-edge-colored graphs. Discrete Applied Mathematics, 2010, 158, 1365-1379.	0.5	16
39	Coloring the square of the Cartesian product of two cycles. Discrete Mathematics, 2010, 310, 2327-2333.	0.4	12
40	Chromatic number of sparse colored mixed planar graphs. Electronic Notes in Discrete Mathematics, 2009, 34, 363-367.	0.4	3
41	On the oriented chromatic index of oriented graphs. Journal of Graph Theory, 2008, 57, 313-332.	0.5	6
42	Homomorphisms of 2-edge-colored graphs. Electronic Notes in Discrete Mathematics, 2008, 30, 33-38.	0.4	1
43	On the oriented chromatic number of Halin graphs. Information Processing Letters, 2006, 98, 247-252.	0.4	8
44	Oriented vertex and arc colorings of outerplanar graphs. Information Processing Letters, 2006, 100, 97-104.	0.4	18
45	On the oriented chromatic number of graphs with given excess. Discrete Mathematics, 2006, 306, 1342-1350.	0.4	3
46	The acircuitic directed star arboricity of subcubic graphs is at most four. Discrete Mathematics, 2006, 306, 3281-3289.	0.4	1
47	Incidence coloring of k-degenerated graphs. Discrete Mathematics, 2004, 283, 121-128.	0.4	31
48	Acyclic list 7-coloring of planar graphs. Journal of Graph Theory, 2002, 40, 83-90.	0.5	58
49	Nilpotent Families of Endomorphisms of $(P(V)+,\hat{a}^{\hat{a}})$. Journal of Combinatorial Theory Series B, 2002, 86, 100-108.	0.6	0
50	There exist oriented planar graphs with oriented chromatic number at least sixteen. Information Processing Letters, 2002, 81, 309-312.	0.4	20
51	Acyclic colouring of 1-planar graphs. Discrete Applied Mathematics, 2001, 114, 29-41.	0.5	53
52	On Deeply Critical Oriented Graphs. Journal of Combinatorial Theory Series B, 2001, 81, 150-155.	0.6	11
53	On nice graphs. Discrete Mathematics, 2001, 234, 39-51.	0.4	10
54	Oriented graph coloring. Discrete Mathematics, 2001, 229, 359-369.	0.4	53

#	Article	IF	Citations
55	On the Oriented Game Chromatic Number. Electronic Journal of Combinatorics, 2001, 8, .	0.2	29
56	On the maximum average degree and the oriented chromatic number of a graph. Discrete Mathematics, 1999, 206, 77-89.	0.4	68
57	Acrylic improper colorings of graphs. Journal of Graph Theory, 1999, 32, 97-107.	0.5	16
58	On the minimum number of edges giving maximum oriented chromatic number. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 1999, , 179-182.	0.0	4
59	On universal graphs for planar oriented graphs of a given girth. Discrete Mathematics, 1998, 188, 73-85.	0.4	17
60	Acyclic and oriented chromatic numbers of graphs. Journal of Graph Theory, 1997, 24, 331-340.	0.5	66
61	The chromatic number of oriented graphs. Journal of Graph Theory, 1997, 25, 191-205.	0.5	73
62	Colorings and girth of oriented planar graphs. Discrete Mathematics, 1997, 165-166, 519-530.	0.4	52
63	EXPANDING GRAPH RELABELING SYSTEMS HAVE THE POWER OF RECURSIVE ENUMERABILITY. Fundamenta Informaticae, 1996, 27, 1-25.	0.3	1
64	Checking Global Graph Properties by Means of Local Computations: the Majority Problem. Electronic Notes in Theoretical Computer Science, 1995, 2, 199-206.	0.9	2
65	Good and semi-strong colorings of oriented planar graphs. Information Processing Letters, 1994, 51, 171-174.	0.4	109
66	Some Combinatorial Aspects of Time-stamp Systems. European Journal of Combinatorics, 1993, 14, 95-102.	0.5	11