

Stanislav Jendrol

List of Publications by Year in descending order

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119
papers

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430874

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docs citations

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times ranked

244
citing authors

#	ARTICLE	IF	CITATIONS
1	Graph polynomials and paintability of plane graphs. <i>Discrete Applied Mathematics</i> , 2022, 313, 71-79.	0.9	0
2	Facial Visibility in Edge Colored Plane Graphs. <i>Graphs and Combinatorics</i> , 2022, 38, 1.	0.4	0
3	On the cyclic coloring conjecture. <i>Discrete Mathematics</i> , 2021, 344, 112204.	0.7	0
4	A survey on the cyclic coloring and its relaxations. <i>Discussiones Mathematicae - Graph Theory</i> , 2021, 41, 5.	0.3	1
5	Colorings of plane graphs without long monochromatic facial paths. <i>Discussiones Mathematicae - Graph Theory</i> , 2021, 41, 801.	0.3	0
6	From Colourful to Rainbow Paths in Graphs: Colouring the Vertices. <i>Graphs and Combinatorics</i> , 2021, 37, 1823.	0.4	1
7	Edge-coloring of plane multigraphs with many colors on facial cycles. <i>Discrete Applied Mathematics</i> , 2020, 282, 80-85.	0.9	1
8	On Specific Factors in Graphs. <i>Graphs and Combinatorics</i> , 2020, 36, 1391-1399.	0.4	4
9	On caterpillar factors in graphs. <i>Theoretical Computer Science</i> , 2020, 846, 82-90.	0.9	0
10	Conflict-free vertex-connections of graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2020, 40, 51.	0.3	5
11	Facial Colorings of Plane Graphs. <i>Journal of Interconnection Networks</i> , 2019, 19, 1940003.	1.0	3
12	On rainbow matchings in plane triangulations. <i>Discrete Mathematics</i> , 2019, 342, 111624.	0.7	5
13	Facial packing vertex-coloring of subdivided plane graphs. <i>Discrete Applied Mathematics</i> , 2019, 257, 95-100.	0.9	3
14	Facial rainbow coloring of plane graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2019, 39, 889.	0.3	2
15	Lightweight paths in graphs. <i>Opuscula Mathematica</i> , 2019, 39, 829-837.	0.8	0
16	Facial $[r,s,t]$ -colorings of plane graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2019, 39, 629.	0.3	0
17	Facial incidence colorings of embedded multigraphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2019, 39, 81.	0.3	0
18	Odd connection and odd vertex-connection of graphs. <i>Discrete Mathematics</i> , 2018, 341, 3500-3512.	0.7	3

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19	Graphs with Conflict-Free Connection Number Two. <i>Graphs and Combinatorics</i> , 2018, 34, 1553-1563.	0.4	10
20	Facial Rainbow Edge-Coloring of Plane Graphs. <i>Graphs and Combinatorics</i> , 2018, 34, 669-676.	0.4	1
21	Facial $L(2,1)$ -edge-labelings of trees. <i>Discrete Applied Mathematics</i> , 2018, 247, 357-366.	0.9	1
22	Conflict-free connections of graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2018, 38, 911.	0.3	20
23	Zig-zag facial total-coloring of plane graphs. <i>Opuscula Mathematica</i> , 2018, 38, 819.	0.8	2
24	Facial anagram-free edge-coloring of plane graphs. <i>Discrete Applied Mathematics</i> , 2017, 230, 151-155.	0.9	1
25	Colourings of graphs by labellings. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 60, 25-31.	0.4	0
26	Facially-constrained colorings of plane graphs: A survey. <i>Discrete Mathematics</i> , 2017, 340, 2691-2703.	0.7	20
27	WORM colorings of planar graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2017, 37, 353.	0.3	3
28	On Longest Cycles in Essentially 4-connected Planar Graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2016, 55, 143-146.	0.4	0
29	Facial packing edge-coloring of plane graphs. <i>Discrete Applied Mathematics</i> , 2016, 213, 71-75.	0.9	8
30	Facial list colourings of plane graphs. <i>Discrete Mathematics</i> , 2016, 339, 2826-2831.	0.7	7
31	Facial entire colouring of plane graphs. <i>Discrete Mathematics</i> , 2016, 339, 626-631.	0.7	5
32	Optimal unavoidable sets of types of 3-paths for planar graphs of given girth. <i>Discrete Mathematics</i> , 2016, 339, 780-789.	0.7	6
33	On the Maximum Weight of a Sparse Connected Graph of Given Order and Size. <i>Graphs and Combinatorics</i> , 2016, 32, 997-1012.	0.4	1
34	On the maximum weight of a dense connected graph of given order and size. <i>Discrete Mathematics</i> , 2016, 339, 1978-1984.	0.7	1
35	Maximum edge-colorings of graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2016, 36, 117.	0.3	1
36	3-path in graphs with bounded average degree. <i>Discussiones Mathematicae - Graph Theory</i> , 2016, 36, 339.	0.3	5

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37	On longest cycles in essentially 4-connected planar graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2016, 36, 565.	0.3	2
38	Rainbow Numbers for Cycles in Plane Triangulations. <i>Journal of Graph Theory</i> , 2015, 78, 248-257.	0.9	26
39	Unique-maximum edge-colouring of plane graphs with respect to faces. <i>Discrete Applied Mathematics</i> , 2015, 185, 239-243.	0.9	10
40	A Survey of Irregularity Strength. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 48, 19-26.	0.4	13
41	Note on 3-paths in plane graphs of girth 4. <i>Discrete Mathematics</i> , 2015, 338, 1643-1648.	0.7	13
42	Facial edge ranking of plane graphs. <i>Discrete Applied Mathematics</i> , 2015, 194, 60-64.	0.9	1
43	Describing short paths in plane graphs of girth at least 5. <i>Discrete Mathematics</i> , 2015, 338, 149-158.	0.7	22
44	Entire Labeling of Plane Graphs. <i>Applied Mathematics and Information Sciences</i> , 2015, 9, 263-267.	0.5	11
45	A note on vertex colorings of plane graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2014, 34, 849.	0.3	2
46	A note on face coloring entire weightings of plane graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2014, 34, 421.	0.3	3
47	Rainbow numbers for matchings in plane triangulations. <i>Discrete Mathematics</i> , 2014, 331, 158-164.	0.7	29
48	Light subgraphs of graphs embedded in the plane – A survey. <i>Discrete Mathematics</i> , 2013, 313, 406-421.	0.7	64
49	On vertices enforcing a Hamiltonian cycle. <i>Discussiones Mathematicae - Graph Theory</i> , 2013, 33, 71.	0.3	7
50	On maximum weight of a bipartite graph of given order and size. <i>Discussiones Mathematicae - Graph Theory</i> , 2013, 33, 147.	0.3	3
51	Nonrepetitive vertex colorings of graphs. <i>Discrete Mathematics</i> , 2012, 312, 374-380.	0.7	20
52	A Dirac theorem for trestles. <i>Discrete Mathematics</i> , 2012, 312, 2000-2004.	0.7	2
53	Facial parity edge colouring of plane pseudographs. <i>Discrete Mathematics</i> , 2012, 312, 2735-2740.	0.7	11
54	Looseness of Plane Graphs. <i>Graphs and Combinatorics</i> , 2011, 27, 73-85.	0.4	2

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55	Facial non-repetitive edge-coloring of plane graphs. <i>Journal of Graph Theory</i> , 2011, 66, 38-48.	0.9	15
56	Upper bounds on the sum of powers of the degrees of a simple planar graph. <i>Journal of Graph Theory</i> , 2011, 67, 112-123.	0.9	6
57	Parity vertex colouring of plane graphs. <i>Discrete Mathematics</i> , 2011, 311, 512-520.	0.7	7
58	Facial parity edge colouring. <i>Ars Mathematica Contemporanea</i> , 2011, 4, 255-269.	0.6	7
59	Parity vertex colouring of graphs. <i>Discussiones Mathematicae - Graph Theory</i> , 2011, 31, 183.	0.3	7
60	On the strong parity chromatic number. <i>Discussiones Mathematicae - Graph Theory</i> , 2011, 31, 587.	0.3	1
61	Total edge irregularity strength of complete graphs and complete bipartite graphs. <i>Discrete Mathematics</i> , 2010, 310, 400-407.	0.7	61
62	Matchings and Nonrainbow Colorings. <i>SIAM Journal on Discrete Mathematics</i> , 2009, 23, 344-348.	0.8	3
63	Rainbow faces in edge-colored plane graphs. <i>Journal of Graph Theory</i> , 2009, 62, 84-99.	0.9	9
64	Colouring vertices of plane graphs under restrictions given by faces. <i>Discussiones Mathematicae - Graph Theory</i> , 2009, 29, 521.	0.3	15
65	On rainbowness of semiregular polyhedra. <i>Czechoslovak Mathematical Journal</i> , 2008, 58, 359-380.	0.3	8
66	On irregular total labellings. <i>Discrete Mathematics</i> , 2007, 307, 1378-1388.	0.7	195
67	Independence number and vertex-disjoint cycles. <i>Discrete Mathematics</i> , 2007, 307, 1493-1498.	0.7	6
68	Rainbowness of plane graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2007, 28, 125-129.	0.4	0
69	Total Edge Irregularity Strength of Complete Graphs and Complete Bipartite Graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2007, 28, 281-285.	0.4	37
70	On the Existence of Specific Stars in Planar Graphs. <i>Graphs and Combinatorics</i> , 2007, 23, 529-543.	0.4	15
71	On octahedral fulleroids. <i>Discrete Applied Mathematics</i> , 2007, 155, 2181-2186.	0.9	6
72	Rainbowness of cubic plane graphs. <i>Discrete Mathematics</i> , 2006, 306, 3321-3326.	0.7	10

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73	List coloring of Cartesian products of graphs. <i>Discrete Mathematics</i> , 2006, 306, 1955-1958.	0.7	6
74	Two local and one global properties of 3-connected graphs on compact 2-dimensional manifolds. <i>Journal of Combinatorial Theory Series B</i> , 2005, 93, 1-21.	1.0	2
75	Light subgraphs of order at most 3 in large maps of minimum degree 5 on compact 2-manifolds. <i>European Journal of Combinatorics</i> , 2005, 26, 457-471.	0.8	7
76	Light Paths in Large Polyhedral Maps with Prescribed Minimum Degree. <i>Electronic Notes in Discrete Mathematics</i> , 2002, 11, 386-409.	0.4	1
77	Cyclic Chromatic Number of 3-Connected Plane Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2001, 14, 121-137.	0.8	27
78	On Light Graphs in 3-Connected Plane Graphs Without Triangular or Quadrangular Faces. <i>Graphs and Combinatorics</i> , 2001, 17, 659-680.	0.4	11
79	On a Max-min Problem Concerning Weights of Edges. <i>Combinatorica</i> , 2001, 21, 351-359.	1.2	10
80	On graphs whose line graphs have crossing number one. <i>Journal of Graph Theory</i> , 2001, 37, 181-188.	0.9	5
81	On weights of induced paths and cycles in claw-free and $K_{1,r}$ -free graphs. <i>Journal of Graph Theory</i> , 2001, 36, 131-143.	0.9	2
82	Light subgraphs of multigraphs on compact 2-dimensional manifolds. <i>Discrete Mathematics</i> , 2001, 233, 329-351.	0.7	4
83	Local structures in plane maps and distance colourings. <i>Discrete Mathematics</i> , 2001, 236, 167-177.	0.7	12
84	More Icosahedral Fulleroids. <i>Journal of Mathematical Chemistry</i> , 2001, 29, 235-243.	1.5	6
85	On vertex types and cyclic colourings of 3-connected plane graphs. <i>Discrete Mathematics</i> , 2000, 212, 101-109.	0.7	12
86	Light subgraphs of multigraphs embedded in compact 2-manifolds. <i>Electronic Notes in Discrete Mathematics</i> , 2000, 5, 189-192.	0.4	1
87	On vertex-degree restricted paths in polyhedral graphs. <i>Discrete Mathematics</i> , 2000, 212, 61-73.	0.7	23
88	A local property of polyhedral maps on compact two-dimensional manifolds. <i>Discrete Mathematics</i> , 2000, 212, 111-120.	0.7	10
89	Light paths with an odd number of vertices in polyhedral maps. <i>Czechoslovak Mathematical Journal</i> , 2000, 50, 555-564.	0.3	4
90	Triangles with restricted degrees of their boundary vertices in plane triangulations. <i>Discrete Mathematics</i> , 1999, 196, 177-196.	0.7	24

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91	On light cycles in plane triangulations. <i>Discrete Mathematics</i> , 1999, 197-198, 453-467.	0.7	18
92	Paths with restricted degrees of their vertices in planar graphs. <i>Czechoslovak Mathematical Journal</i> , 1999, 49, 481-490.	0.3	23
93	A Local Property of Large Polyhedral Maps on Compact 2-Dimensional Manifolds. <i>Graphs and Combinatorics</i> , 1999, 15, 303-313.	0.4	9
94	On 3-Connected Plane Graphs without Triangular Faces. <i>Journal of Combinatorial Theory Series B</i> , 1999, 77, 150-161.	1.0	14
95	Subgraphs with Restricted Degrees of their Vertices in Large Polyhedral Maps on Compact Two-manifolds. <i>European Journal of Combinatorics</i> , 1999, 20, 821-832.	0.8	4
96	On a conjecture by Plummer and Toft. <i>Journal of Graph Theory</i> , 1999, 30, 177-189.	0.9	2
97	Subgraphs with restricted degrees of their vertices in planar graphs. <i>Discrete Mathematics</i> , 1998, 191, 83-90.	0.7	18
98	Subgraphs with Restricted Degrees of Their Vertices in Planar 3-Connected Graphs. <i>Graphs and Combinatorics</i> , 1997, 13, 245-250.	0.4	41
99	A Structural Property of Convex 3-Polytopes. <i>Geometriae Dedicata</i> , 1997, 68, 91-99.	0.3	25
100	Exact Numbers of Longest Cycles with Empty Intersection. <i>European Journal of Combinatorics</i> , 1997, 18, 575-578.	0.8	6
101	On the d-distance face chromatic number of plane graphs. <i>Discrete Mathematics</i> , 1997, 164, 171-174.	0.7	6
102	The irregularity strength and cost of the union of cliques. <i>Discrete Mathematics</i> , 1996, 150, 179-186.	0.7	16
103	On some properties of 4-regular plane graphs. <i>Journal of Graph Theory</i> , 1995, 20, 163-175.	0.9	8
104	Pentagonal 3-polytopal graphs with edges of only two types and shortness parameters. <i>Discrete Mathematics</i> , 1995, 137, 251-263.	0.7	3
105	The irregularity strength of tK_p . <i>Discrete Mathematics</i> , 1995, 145, 301-305.	0.7	8
106	W v cycles in plane graphs. <i>Geometriae Dedicata</i> , 1995, 55, 293-303.	0.3	1
107	Longest cycles in generalized Buckminsterfullerene graphs. <i>Journal of Mathematical Chemistry</i> , 1995, 18, 83-90.	1.5	9
108	On face-vectors of 5-valent convex 3-polytopes. <i>Journal of Geometry</i> , 1994, 50, 100-110.	0.4	0

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109	On face vectors and vertex vectors of convex polyhedra. <i>Discrete Mathematics</i> , 1993, 118, 119-144.	0.7	7
110	Convex 3-polytopes with exactly two types of edges. <i>Discrete Mathematics</i> , 1990, 84, 143-160.	0.7	8
111	A non-involutory selfduality. <i>Discrete Mathematics</i> , 1989, 74, 325-326.	0.7	12
112	On quadrangular convex 3-polytopes with at most two types of edges. <i>Discrete Mathematics</i> , 1989, 78, 297-305.	0.7	3
113	On graphs with given neighbourhoods. <i>ĀĀasopis Pro PĀstovĀnĀ-Matematiky</i> , 1989, 114, 146-154.	0.1	3
114	On a class of Hamiltonian polytopes. <i>Discrete Mathematics</i> , 1988, 71, 233-241.	0.7	7
115	On a problem of J. Zaks concerning 5-valent 3-connected planar graphs. <i>Discrete Mathematics</i> , 1984, 50, 231-237.	0.7	2
116	On the simplicial 3-polytopes with only two types of edges. <i>Discrete Mathematics</i> , 1984, 48, 229-241.	0.7	13
117	On the crossing numbers of $S_m \times P_n$ and $S_m \times C_n$. <i>ĀĀasopis Pro PĀstovĀnĀ-Matematiky</i> , 1982, 107, 225-230.	0.1	9
118	On the Toroidal Analogue of Eberhard's Theorem. <i>Proceedings of the London Mathematical Society</i> , 1972, s3-25, 385-398.	1.3	7
119	On a conjecture by B. Grünbaum. <i>Discrete Mathematics</i> , 1972, 2, 35-49.	0.7	10