

# Daniel W Cranston

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8900820/publications.pdf>

Version: 2024-02-01

51  
papers

504  
citations

759233

12  
h-index

713466

21  
g-index

51  
all docs

51  
docs citations

51  
times ranked

221  
citing authors

#	ARTICLE	IF	CITATIONS
1	In most 6-regular toroidal graphs all 5-colorings are Kempe equivalent. <i>European Journal of Combinatorics</i> , 2022, 104, 103532.	0.8	1
2	List-recoloring of sparse graphs. <i>European Journal of Combinatorics</i> , 2022, 105, 103562.	0.8	2
3	Coloring $(P_5, \text{gem})$ $\mathcal{P}_{m, \text{ext}}^{\text{gem}}$ -free graphs with $\hat{\nu}^{\sim 1} \Delta - 1$ colors. <i>Journal of Graph Theory</i> , 2022, 101, 633-642.	0.9	5
4	Strong edge-coloring of cubic bipartite graphs: A counterexample. <i>Discrete Applied Mathematics</i> , 2022, 321, 258-260.	0.9	1
5	Vertex Partitions into an Independent Set and a Forest with Each Component Small. <i>SIAM Journal on Discrete Mathematics</i> , 2021, 35, 1769-1791.	0.8	1
6	Sparse Graphs Are Near-Bipartite. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 1725-1768.	0.8	3
7	Degeneracy and Colorings of Squares of Planar Graphs without 4-Cycles. <i>Combinatorica</i> , 2020, 40, 625-653.	1.2	0
8	Circular Flows in Planar Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34, 497-519.	0.8	6
9	The Iterated Local Directed Transitivity Model for Social Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 111-123.	1.3	4
10	The Hilton-Zhao Conjecture is True for Graphs with Maximum Degree 4. <i>SIAM Journal on Discrete Mathematics</i> , 2019, 33, 1228-1241.	0.8	2
11	A characterization of $(4,2)$ -choosable graphs. <i>Journal of Graph Theory</i> , 2019, 92, 460-487.	0.9	0
12	Acyclic Edge-Coloring of Planar Graphs: $\Delta$ Colors Suffice When $\Delta$ is Large. <i>SIAM Journal on Discrete Mathematics</i> , 2019, 33, 614-628.	0.8	3
13	Planar graphs of girth at least five are square $(\hat{\nu}^{\sim} + \hat{\nu}^{\sim 2})$ -choosable. <i>Journal of Combinatorial Theory Series B</i> , 2019, 134, 218-238.	1.0	15
14	Planar graphs are $9/2$ -colorable. <i>Journal of Combinatorial Theory Series B</i> , 2018, 133, 32-45.	1.0	3
15	Edge Lower Bounds for List Critical Graphs, Via Discharging. <i>Combinatorica</i> , 2018, 38, 1045-1065.	1.2	0
16	List-Coloring Claw-Free Graphs with $\Delta - 1$ Colors. <i>SIAM Journal on Discrete Mathematics</i> , 2017, 31, 726-748.	0.8	2
17	An introduction to the discharging method via graph coloring. <i>Discrete Mathematics</i> , 2017, 340, 766-793.	0.7	38
18	List-Coloring the Squares of Planar Graphs without 4-Cycles and 5-Cycles. <i>Journal of Graph Theory</i> , 2017, 85, 721-737.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Short Fans and the $5/6$ Bound for Line Graphs. SIAM Journal on Discrete Mathematics, 2017, 31, 2039-2063.	0.8	0
20	Subcubic Edge-Chromatic Critical Graphs Have Many Edges. Journal of Graph Theory, 2017, 86, 122-136.	0.9	4
21	The fractional chromatic number of the plane. Combinatorica, 2017, 37, 837-861.	1.2	5
22	Modified linear programming and class 0 bounds for graph pebbling. Journal of Combinatorial Optimization, 2017, 34, 114-132.	1.3	6
23	Planar Graphs have Independence Ratio at least $3/13$ . Electronic Journal of Combinatorics, 2016, 23, .	0.4	5
24	Regular Graphs of Odd Degree Are Antimagic. Journal of Graph Theory, 2015, 80, 28-33.	0.9	37
25	Brooks' Theorem and Beyond. Journal of Graph Theory, 2015, 80, 199-225.	0.9	16
26	Graphs with $\chi = \Delta$ Have Big Cliques. SIAM Journal on Discrete Mathematics, 2015, 29, 1792-1814.	0.8	8
27	Coloring a graph with $\hat{\nu} + 1$ colors: Conjectures equivalent to the Borodin-Kostochka conjecture that appear weaker. European Journal of Combinatorics, 2015, 44, 23-42.	0.8	7
28	A Note on Coloring Vertex-Transitive Graphs. Electronic Journal of Combinatorics, 2015, 22, .	0.4	3
29	The 1,2,3-Conjecture and 1,2-Conjecture for sparse graphs. Discussiones Mathematicae - Graph Theory, 2014, 34, 769.	0.3	5
30	Sufficient sparseness conditions for $G$ to be $\nu$ -edge-colorable when $\nu \geq 2$ . Discrete Applied Mathematics, 2014, 162, 167-176.	0.9	6
31	Hamiltonicity in connected regular graphs. Information Processing Letters, 2013, 113, 858-860.	0.6	6
32	On the boundedness of positive solutions of the reciprocal max-type difference equation $x_n = \max\{A, \frac{1}{x_{n-1}}\}$ . Applied Mathematics and Computation, 2013, 221, 144-151.	2.2	10
33	Game matching number of graphs. Discrete Applied Mathematics, 2013, 161, 1828-1836.	0.9	11
34	Coloring Claw-Free Graphs with $\Delta - 1$ Colors. SIAM Journal on Discrete Mathematics, 2013, 27, 534-549.	0.8	12
35	Revolutionaries and spies: Spy-good and spy-bad graphs. Theoretical Computer Science, 2012, 463, 35-53.	0.9	4
36	Overlap number of graphs. Journal of Graph Theory, 2012, 70, 10-28.	0.9	2

#	ARTICLE	IF	CITATIONS
37	List Colorings of $K_5$ -Minor-Free Graphs With Special List Assignments. <i>Journal of Graph Theory</i> , 2012, 71, 18-30.	0.9	1
38	Injective Colorings of Graphs with Low Average Degree. <i>Algorithmica</i> , 2011, 60, 553-568.	1.3	27
39	Linear choosability of sparse graphs. <i>Discrete Mathematics</i> , 2011, 311, 1910-1917.	0.7	9
40	Injective colorings of sparse graphs. <i>Discrete Mathematics</i> , 2010, 310, 2965-2973.	0.7	28
41	Classes of 3-Regular Graphs That Are $(7, 2)$ -Edge-Choosable. <i>SIAM Journal on Discrete Mathematics</i> , 2009, 23, 872-881.	0.8	1
42	Regular bipartite graphs are antimagic. <i>Journal of Graph Theory</i> , 2009, 60, 173-182.	0.9	53
43	Star coloring of sparse graphs. <i>Journal of Graph Theory</i> , 2009, 62, 201-219.	0.9	20
44	Multigraphs with $\hat{\Delta} \geq 3$ are Totally- $(2\hat{\Delta}-1)$ -Choosable. <i>Graphs and Combinatorics</i> , 2009, 25, 35-40.	0.4	0
45	Edge-choosability and total-choosability of planar graphs with no adjacent 3-cycles. <i>Discussiones Mathematicae - Graph Theory</i> , 2009, 29, 163.	0.3	5
46	List-coloring the square of a subcubic graph. <i>Journal of Graph Theory</i> , 2008, 57, 65-87.	0.9	32
47	Pebbling and optimal pebbling in graphs. <i>Journal of Graph Theory</i> , 2008, 57, 215-238.	0.9	27
48	Nomadic decompositions of bidirected complete graphs. <i>Discrete Mathematics</i> , 2008, 308, 3982-3985.	0.7	0
49	Choice number of complete multipartite graphs $\langle \mathbb{N}^k \rangle_{\hat{\Delta}}$ . <i>Discrete Mathematics</i> , 2008, 308, 5871-5877.	0.7	6
50	Short proofs for cut-and-paste sorting of permutations. <i>Discrete Mathematics</i> , 2007, 307, 2866-2870.	0.7	10
51	Strong edge-coloring of graphs with maximum degree 4 using 22 colors. <i>Discrete Mathematics</i> , 2006, 306, 2772-2778.	0.7	48