

Radoslav Fulek

List of Publications by Year in descending order

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52
papers

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citations

1307594

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12
g-index

54
all docs

54
docs citations

54
times ranked

141
citing authors

#	ARTICLE	IF	CITATIONS
1	Crossing Numbers and Combinatorial Characterization of Monotone Drawings of K_n . Discrete and Computational Geometry, 2015, 53, 107-143.	0.6	24
2	Graphs that admit right angle crossing drawings. Computational Geometry: Theory and Applications, 2012, 45, 169-177.	0.5	23
3	A computational approach to Conway's thrackle conjecture. Computational Geometry: Theory and Applications, 2011, 44, 345-355.	0.5	19
4	Hanani-Tutte, Monotone Drawings, and Level-Planarity. , 2013, , 263-287.		16
5	Linear bound on extremal functions of some forbidden patterns in $0\text{-}1$ matrices. Discrete Mathematics, 2009, 309, 1736-1739.	0.7	12
6	Graphs That Admit Polyline Drawings with Few Crossing Angles. SIAM Journal on Discrete Mathematics, 2012, 26, 305-320.	0.8	12
7	Recognizing Weak Embeddings of Graphs. , 2018, , 274-292.		10
8	On the Page Number of Upward Planar Directed Acyclic Graphs. Journal of Graph Algorithms and Applications, 2013, 17, 221-244.	0.4	10
9	Atomic Embeddability, Clustered Planarity, and Thickenability. , 2020, , 2876-2895.		9
10	Clustered Planarity Testing Revisited. Electronic Journal of Combinatorics, 2015, 22, .	0.4	9
11	Universal point sets for planar three-trees. Journal of Discrete Algorithms, 2015, 30, 101-112.	0.7	8
12	Convex Obstacle Numbers of Outerplanar Graphs and Bipartite Permutation Graphs. , 2013, , 249-261.		8
13	Orthogeodesic point-set embedding of trees. Computational Geometry: Theory and Applications, 2013, 46, 929-944.	0.5	7
14	Extending partial representations of circle graphs. Journal of Graph Theory, 2019, 91, 365-394.	0.9	7
15	Graphs that Admit Right Angle Crossing Drawings. Lecture Notes in Computer Science, 2010, , 135-146.	1.3	7
16	Atomic Embeddability, Clustered Planarity, and Thickenability. Journal of the ACM, 2022, 69, 1-34.	2.2	7
17	Intersecting Convex Sets by Rays. Discrete and Computational Geometry, 2009, 42, 343-358.	0.6	6
18	Intersecting convex sets by rays. , 2008, , .		5

#	ARTICLE	IF	CITATIONS
19	Estimating the Number of Disjoint Edges in Simple Topological Graphs via Cylindrical Drawings. SIAM Journal on Discrete Mathematics, 2014, 28, 116-121.	0.8	5
20	Homometric sets in trees. European Journal of Combinatorics, 2014, 35, 256-263.	0.8	5
21	C-planarity of embedded cyclic c-graphs. Computational Geometry: Theory and Applications, 2017, 66, 1-13.	0.5	5
22	Universal Point Sets for Planar Three-Trees. Lecture Notes in Computer Science, 2013, , 341-352.	1.3	5
23	Recognizing Weak Embeddings of Graphs. ACM Transactions on Algorithms, 2019, 15, 1-27.	1.0	4
24	Towards the Hanani-Tutte Theorem for Clustered Graphs. Lecture Notes in Computer Science, 2014, , 176-188.	1.3	4
25	Hanani-Tutte and Monotone Drawings. Lecture Notes in Computer Science, 2011, , 283-294.	1.3	4
26	Adjacent Crossings Do Matter. Journal of Graph Algorithms and Applications, 2012, 16, 759-782.	0.4	4
27	Diameter bounds for planar graphs. Discrete Mathematics, 2011, 311, 327-335.	0.7	3
28	On Polygons Excluding Point Sets. Graphs and Combinatorics, 2013, 29, 1741-1753.	0.4	3
29	Counterexample to an Extension of the Hanani-Tutte Theorem on the Surface of Genus 4. Combinatorica, 2019, 39, 1267-1279.	1.2	3
30	Thrackles: An improved upper bound. Discrete Applied Mathematics, 2019, 259, 226-231.	0.9	3
31	Embedding Graphs into Embedded Graphs. Algorithmica, 2020, 82, 3282-3305.	1.3	3
32	Orthogeodesic Point-Set Embedding of Trees. Lecture Notes in Computer Science, 2012, , 52-63.	1.3	3
33	Bounded Embeddings of Graphs in the Plane. Lecture Notes in Computer Science, 2016, , 31-42.	1.3	3
34	Hanani-Tutte for Radial Planarity II. Lecture Notes in Computer Science, 2016, , 468-481.	1.3	3
35	On disjoint crossing families in geometric graphs. Electronic Notes in Discrete Mathematics, 2011, 38, 367-375.	0.4	2
36	Crossing Minimization in Perturbed Drawings. Lecture Notes in Computer Science, 2018, , 229-241.	1.3	2

#	ARTICLE	IF	CITATIONS
37	A Computational Approach to Conway's Thrackle Conjecture. Lecture Notes in Computer Science, 2011, , 226-237.	1.3	2
38	On the Page Number of Upward Planar Directed Acyclic Graphs. Lecture Notes in Computer Science, 2012, , 391-402.	1.3	2
39	On Disjoint Crossing Families in Geometric Graphs. , 2013, , 289-302.		2
40	Hanani-Tutte for Radial Planarity. Lecture Notes in Computer Science, 2015, , 99-110.	1.3	2
41	C-Planarity of Embedded Cyclic c -Graphs. Lecture Notes in Computer Science, 2016, , 94-106.	1.3	2
42	Crossing minimization in perturbed drawings. Journal of Combinatorial Optimization, 2020, 40, 279-302.	1.3	1
43	Saturation Problems about Forbidden 0-1 Submatrices. SIAM Journal on Discrete Mathematics, 2021, 35, 1964-1977.	0.8	1
44	Adjacent Crossings Do Matter. Lecture Notes in Computer Science, 2012, , 343-354.	1.3	1
45	Clustered Planarity Testing Revisited. Lecture Notes in Computer Science, 2014, , 428-439.	1.3	1
46	Hanani-Tutte for Radial Planarity. Journal of Graph Algorithms and Applications, 2017, 21, 135-154.	0.4	1
47	Free Edge Lengths in Plane Graphs. , 2014, , .		0
48	Free Edge Lengths in Plane Graphs. Discrete and Computational Geometry, 2015, 54, 259-289.	0.6	0
49	On the existence of ordinary triangles. Computational Geometry: Theory and Applications, 2017, 66, 28-31.	0.5	0
50	Vertical Visibility Among Parallel Polygons in Three Dimensions. Lecture Notes in Computer Science, 2015, , 373-379.	1.3	0
51	Thrackles: An Improved Upper Bound. Lecture Notes in Computer Science, 2018, , 160-166.	1.3	0
52	The \mathbb{Z}_2 -Genus of Kuratowski Minors. Discrete and Computational Geometry, 0, , .	0.6	0