Robert Jajcay

List of Publications by Year
in descending order

43 papers	387 citations	1040056 9 h-index	839539 18 g-index
43 all docs	43 docs citations	43 times ranked	70 citing authors

#	Article	IF	Citations
1	Cayley maps. Journal of Combinatorial Theory Series B, 2005, 95, 189-245.	1.0	59
2	Skew-morphisms of regular Cayley maps. Discrete Mathematics, 2002, 244, 167-179.	0.7	54
3	Regular t-balanced Cayley maps. Journal of Combinatorial Theory Series B, 2007, 97, 453-473.	1.0	30
4	Automorphism Groups of Cayley Maps. Journal of Combinatorial Theory Series B, 1993, 59, 297-310.	1.0	27
5	Regular Cayley maps for finite abelian groups. Journal of Algebraic Combinatorics, 2007, 25, 259-283.	0.8	27
6	Constructions of Self-complementary Circulants with No Multiplicative Isomorphisms. European Journal of Combinatorics, 2001, 22, 1093-1100.	0.8	14
7	On a New Product of Groups. European Journal of Combinatorics, 1994, 15, 251-252.	0.8	13
8	Cyclic complements and skew morphisms of groups. Journal of Algebra, 2016, 453, 68-100.	0.7	12
9	On the limitations of the use of solvable groups in Cayley graph cage constructions. European Journal of Combinatorics, 2010, 31, 1819-1828.	0.8	11
10	Bounds for the Energy of Graphs. Mathematics, 2021, 9, 1687.	2.2	11
11	The Structure of Automorphism Groups of Cayley Graphs and Maps. Journal of Algebraic Combinatorics, 2000, 12, 73-84.	0.8	10
12	Characterization and construction of Cayley graphs admitting regular Cayley maps. Discrete Mathematics, 1996, 158, 151-160.	0.7	9
13	Edge-girth-regular graphs. European Journal of Combinatorics, 2018, 72, 70-82.	0.8	9
14	Recursive constructions of small regular graphs of given degree and girth. Discrete Mathematics, 2012, 312, 2612-2619.	0.7	8
15	Symmetry properties of generalized graph truncations. Journal of Combinatorial Theory Series B, 2019, 137, 291-315.	1.0	8
16	On the girth of voltage graph lifts. European Journal of Combinatorics, 2011, 32, 554-562.	0.8	7
17	Half-Regular Cayley Maps. Graphs and Combinatorics, 2015, 31, 1003-1018.	0.4	7
18	Cayley properties of merged Johnson graphs. Journal of Algebraic Combinatorics, 2016, 44, 1047-1067.	0.8	7

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19	mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	0.7	6
20	Generalized Cages. Electronic Journal of Combinatorics, 2015, 22, .	0.4	6
21	Small vertex-transitive graphs of given degree and girth. Ars Mathematica Contemporanea, 2011, 4, 375-384.	0.6	5
22	On a Construction of Infinite Families of Regular Cayley Maps. Combinatorica, 1998, 18, 191-199.	1.2	4
23	On the number of closed walks in vertex-transitive graphs. Discrete Mathematics, 2007, 307, 484-493.	0.7	4
24	Small bi-regular graphs of even girth. Discrete Mathematics, 2016, 339, 658-667.	0.7	4
25	Powers of Skew-Morphisms. Springer Proceedings in Mathematics and Statistics, 2016, , 1-25.	0.2	4
26	Improved Lower Bounds for the Orders of Even Girth Cages. Electronic Journal of Combinatorics, 2016, 23, .	0.4	4
27	Cayley Cages. Journal of Algebraic Combinatorics, 2013, 38, 209-224.	0.8	3
28	Biregular Cages of Odd Girth. Journal of Graph Theory, 2016, 81, 50-56.	0.9	3
29	On the defect of vertex-transitive graphs of given degree and diameter. Journal of Combinatorial Theory Series B, 2019, 134, 322-340.	1.0	3
30	On biregular bipartite graphs of small excess. Discrete Mathematics, 2019, 342, 2066-2076.	0.7	3
31	Properties of Groups for the Cage and Degree/Diameter Problems. Electronic Notes in Discrete Mathematics, 2009, 34, 341-345.	0.4	2
32	On the excess of vertex-transitive graphs of given degree and girth. Discrete Mathematics, 2018, 341, 772-780.	0.7	2
33	Inverse monoids of partial graph automorphisms. Journal of Algebraic Combinatorics, 2021, 53, 829-849.	0.8	2
34	Extremal Edge-Girth-Regular Graphs. Graphs and Combinatorics, 2021, 37, 2139-2154.	0.4	2
35	On the Cayleyness of Praeger-Xu graphs. Journal of Combinatorial Theory Series B, 2022, 152, 55-79.	1.0	2
36	Embedding arbitrary finite simple graphs into small strongly regular graphs. Journal of Graph Theory, 2000, 34, 1-8.	0.9	1

#	Article	IF	Citations
37	Regular and orientably-regular maps with quasiprimitive automorphism groups on vertices. Geometriae Dedicata, 2019, 203, 389-418.	0.3	1
38	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e18" altimg="si18.gif"><mml:mi>r</mml:mi></mml:math>-regular families of graph automorphisms. European Journal of Combinatorics, 2019, 79, 97-110.	0.8	1
39	Half-cyclic, dihedral and half-dihedral codes. Journal of Applied Mathematics and Computing, 2020, 64, 691-708.	2.5	1
40	On a relation between bipartite biregular cages, block designs and generalized polygons. Journal of Combinatorial Designs, 2022, 30, 479-496.	0.6	1
41	On the non-existence of families of (d,k,Î)-digraphs containing only selfrepeat vertices. Linear Algebra and Its Applications, 2019, 563, 302-312.	0.9	0
42	The Impact of Emigration on Slovak Mathematics: The Case of the Bratislava Graph Theory Seminar. Mathematical Intelligencer, 2021, 43, 45-53.	0.2	0
43	A Connection Between a Question of Bermond and BollobÃ¡s and Ramanujan Graphs. Acta Applicandae Mathematicae, 2021, 175, 1.	1.0	0