Camino Balbuena

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9187516/publications.pdf

Version: 2024-02-01

114	768	623574	752573
papers	citations	14 h-index	20 g-index

115	115	115	190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sufficient conditions for Î»â€²-optimality in graphs with girthg. Journal of Graph Theory, 2006, 52, 73-86.	0.5	47
2	On the order and size of s-geodetic digraphs with given connectivity. Discrete Mathematics, 1997, 174, 19-27.	0.4	25
3	Extraconnectivity of graphs with large minimum degree and girth. Discrete Mathematics, 1997, 167-168, 85-100.	0.4	24
4	On restricted connectivities of permutation graphs. Networks, 2005, 45, 113-118.	1.6	23
5	On the connectivity and the conditional diameter of graphs and digraphs. Networks, 1996, 28, 97-105.	1.6	21
6	On the restricted connectivity and superconnectivity in graphs with given girth. Discrete Mathematics, 2007, 307, 659-667.	0.4	21
7	Sufficient conditions for -optimality of graphs with small conditional diameter. Information Processing Letters, 2005, 95, 429-434.	0.4	20
8	Incidence Matrices of Projective Planes and of Some Regular Bipartite Graphs of Girth 6 with Few Vertices. SIAM Journal on Discrete Mathematics, 2008, 22, 1351-1363.	0.4	20
9	Constructions of bi-regular cages. Discrete Mathematics, 2009, 309, 1409-1416.	0.4	20
10	<mml:math altimg="si10.gif" 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	0.4	16
11	On the connectivity of cages with girth five, six and eight. Discrete Mathematics, 2007, 307, 1441-1446.	0.4	16
12	Improved lower bound for the vertex connectivity of <mml:math altimg="si2.gif" 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. Discrete Mathematics	0.4	15
13	Finding small regular graphs of girths 6, 8 and 12 as subgraphs of cages. Discrete Mathematics, 2010, 310, 1301-1306.	0.4	15
14	On the 3-restricted edge connectivity of permutation graphs. Discrete Applied Mathematics, 2009, 157, 1586-1591.	0.5	14
15	Families of small regular graphs of girth 5. Discrete Mathematics, 2012, 312, 2832-2842.	0.4	14
16	Distance connectivity in graphs and digraphs. Journal of Graph Theory, 1996, 22, 281-292.	0.5	13
17	Superconnected digraphs and graphs with small conditional diameters. Networks, 2002, 39, 153-160.	1.6	13
18	Edge-superconnectivity of cages. Networks, 2004, 43, 54-59.	1.6	13

#	Article	IF	Citations
19	Reliability of interconnection networks modeled by a product of graphs. Networks, 2006, 48, 114-120.	1.6	13
20	On the edge-connectivity and restricted edge-connectivity of a product of graphs. Discrete Applied Mathematics, 2007, 155, 2444-2455.	0.5	13
21	On the order of <mml:math altimg="si30.gif" 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/xml	0.4	13
22	Diameter-girth sufficient conditions for optimal extraconnectivity in graphs. Discrete Mathematics, 2008, 308, 3526-3536.	0.4	13
23	Extraconnectivity of s-geodetic digraphs and graphs. Discrete Mathematics, 1999, 195, 39-52.	0.4	12
24	Superconnectivity of bipartite digraphs and graphs. Discrete Mathematics, 1999, 197-198, 61-75.	0.4	12
25	Edge fault tolerance analysis of super k-restricted connected networks. Applied Mathematics and Computation, 2010, 216, 506-513.	1.4	12
26	Diameter, short paths and superconnectivity in digraphs. Discrete Mathematics, 2004, 288, 113-123.	0.4	11
27	On the superâ€restricted arcâ€connectivity of s â€geodetic digraphs. Networks, 2013, 61, 20-28.	1.6	11
28	On the connectivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:mi>k</mml:mi><mml:mo>,</mml:mo><mml:mi>g</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 3249-3256.	0.4	10
29	Adjacency matrices of polarity graphs and of other C 4-free graphs of large size. Designs, Codes, and Cryptography, 2010, 55, 221-233.	1.0	10
30	Every cubic cage is quasi 4-connected. Discrete Mathematics, 2003, 266, 311-320.	0.4	9
31	On the degrees of a strongly vertex-magic graph. Discrete Mathematics, 2006, 306, 539-551.	0.4	9
32	All (k;g)-cages are edge-superconnected. Networks, 2006, 47, 102-110.	1.6	9
33	Connectivity of graphs with given girth pair. Discrete Mathematics, 2007, 307, 155-162.	0.4	9
34	The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>k</mml:mi></mml:math>-restricted edge-connectivity of a product of graphs. Discrete Applied Mathematics, 2013, 161, 52-59.	0.5	9
35	Superconnectivity of bipartite digraphs and graphs. Discrete Mathematics, 1999, 197-198, 61-75.	0.4	9
36	Locating-Dominating Sets and Identifying Codes in Graphs of Girth at least 5. Electronic Journal of Combinatorics, 2015, 22, .	0.2	9

#	Article	IF	Citations
37	On the Minimum Order of Extremal Graphs to have a Prescribed Girth. SIAM Journal on Discrete Mathematics, 2007, 21, 251-257.	0.4	8
38	Trees having an even or quasi even degree sequence are graceful. Applied Mathematics Letters, 2007, 20, 370-375.	1.5	8
39	On the girth of extremal graphs without shortest cycles. Discrete Mathematics, 2008, 308, 5682-5690.	0.4	8
40	On the restricted arc-connectivity of s-geodetic digraphs. Acta Mathematica Sinica, English Series, 2010, 26, 1865-1876.	0.2	8
41	Restricted arc-connectivity of generalized <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.gif" display="inline" overflow="scroll"><mml:mi>p</mml:mi></mml:math>-cycles. Discrete Applied Mathematics, 2012, 160, 1325-1332.	0.5	8
42	Edge-connectivity and super edge-connectivity of P2-path graphs. Discrete Mathematics, 2003, 269, 13-20.	0.4	7
43	Calculating the extremal number <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si232.gif" display="inline" overflow="scroll"><mml:mstyle		

#	Article	IF	Citations
55	A lower bound on the order of regular graphs with given girth pair. Journal of Graph Theory, 2007, 55, 153-163.	0.5	5
56	Counterexample to a conjecture of GyÃ¶ri on <mml:math altimg="si3.gif" 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.el. Discrete Ma	0.4	5
57	Superconnectivity of regular graphs with small diameter. Discrete Applied Mathematics, 2009, 157, 1349-1353.	0.5	5
58	A family of mixed graphs with large order and diameter 2. Discrete Applied Mathematics, 2017, 218, 57-63.	0.5	5
59	Bounds on the k-restricted arc connectivity of some bipartite tournaments. Applied Mathematics and Computation, 2018, 331, 54-60.	1.4	5
60	Diameter vulnerability of iterated line digraphs in terms of the girth. Networks, 2005, 45, 49-54.	1.6	4
61	Lower connectivities of regular graphs with small diameter. Discrete Mathematics, 2007, 307, 1255-1265.	0.4	4
62	On bi-regular cages of even girth at least 8. Aequationes Mathematicae, 2013, 86, 201-216.	0.4	4
63	On the acyclic disconnection and the girth. Discrete Applied Mathematics, 2015, 186, 13-18.	0.5	4
64	Connectedness of digraphs and graphs under constraints on the conditional diameter. Networks, 2005, 45, 80-87.	1.6	3
65	A sufficient condition for <mml:math altimg="si8.gif" 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	0.5	3
66	Kernels and partial line digraphs. Applied Mathematics Letters, 2010, 23, 1218-1220.	1.5	3
67	Superconnectivity of graphs with odd girth <mml:math altimg="si11.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/co	0.5	3
68	Large vertex-transitive graphs of diameter 2 from incidence graphs of biaffine planes. Discrete Mathematics, 2013, 313, 2014-2019.	0.4	3
69	A note on the upper bound and girth pair of(k;g)-cages. Discrete Applied Mathematics, 2013, 161, 853-857.	0.5	3
70	On the connectivity and restricted edge-connectivity of 3-arc graphs. Discrete Applied Mathematics, 2014, 162, 90-99.	0.5	3
71	Characterizing identifying codes from the spectrum of a graph or digraph. Linear Algebra and Its Applications, 2019, 570, 138-147.	0.4	3
72	The p-restricted edge-connectivity of Kneser graphs. Applied Mathematics and Computation, 2019, 343, 258-267.	1.4	3

#	Article	IF	Citations
73	Biregular Cages of Girth Five. Electronic Journal of Combinatorics, 2013, 20, .	0.2	3
74	Consecutive magic graphs. Discrete Mathematics, 2006, 306, 1817-1829.	0.4	2
75	On extremal bipartite graphs with high girth. Electronic Notes in Discrete Mathematics, 2006, 26, 67-73.	0.4	2
76	Monotonicity of the order of <mml:math altimg="si2.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. Applied Mathe	1.5	2
77	Partial linear spaces and identifying codes. European Journal of Combinatorics, 2011, 32, 344-351.	0.5	2
78	Diameter and connectivity of (D; g)-cages. International Journal of Computer Mathematics, 2011, 88, 1387-1397.	1.0	2
79	A sufficient condition for kernel perfectness of a digraph in terms of semikernels modulo F. Acta Mathematica Sinica, English Series, 2012, 28, 349-356.	0.2	2
80	On the order of graphs with a given girth pair. Discrete Mathematics, 2014, 321, 68-75.	0.4	2
81	Vertex disjoint 4-cycles in bipartite tournaments. Discrete Mathematics, 2018, 341, 1103-1108.	0.4	2
82	Improving bounds on the order of regular graphs of girth 5. Discrete Mathematics, 2019, 342, 2900-2910.	0.4	2
83	Using a progressive withdrawal procedure to study superconnectivity in digraphs. Discrete Mathematics, 2003, 267, 229-246.	0.4	1
84	Diameter vulnerability of GC graphs. Discrete Applied Mathematics, 2003, 130, 395-416.	0.5	1
85	New exact values of the maximum size of graphs free of topological complete subgraphs. Discrete Mathematics, 2007, 307, 1038-1046.	0.4	1
86	Connectivity measures in matched sum graphs. Discrete Mathematics, 2008, 308, 1985-1993.	0.4	1
87	On the connectivity of semiregular cages. Networks, 2010, 56, 81-88.	1.6	1
88	On the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mi>Î»</mml:mi></mml:mrow><mml:mrow><mml:mo>â€²</mml:mo></mml:mrow><mml:in graphs with odd girth <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" display="inline" overflow="scroll"><mml:mi>g</mml:mi></mml:math> and even girth <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" display="inline" over. Applied Mathematics Letters, 2011, 24, 1041-1045.	1.5	1
89	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	0.5	1
90	On second order degree of graphs. Acta Mathematica Sinica, English Series, 2012, 28, 171-182.	0.2	1

#	Article	IF	Citations
91	Constructions of biregular cages of girth five. Electronic Notes in Discrete Mathematics, 2013, 40, 9-14.	0.4	1
92	A construction of dense mixed graphs of diameter 2. Electronic Notes in Discrete Mathematics, 2016, 54, 235-240.	0.4	1
93	Relation between number of kernels (and generalizations) of a digraph and its partial line digraphs. Electronic Notes in Discrete Mathematics, 2016, 54, 265-269.	0.4	1
94	Rainbow connectivity of Moore cages of girth 6. Discrete Applied Mathematics, 2018, 250, 104-109.	0.5	1
95	Sufficient conditions for a digraph to admit a (1,â‰ l)-identifying code. Discussiones Mathematicae - Graph Theory, 2019, , .	0.2	1
96	Highly connected star product graphs. Electronic Notes in Discrete Mathematics, 2006, 26, 91-96.	0.4	0
97	Edge-connectivity and edge-superconnectivity in sequence graphs. Discrete Applied Mathematics, 2007, 155, 2053-2060.	0.5	0
98	Conditional diameter saturated graphs. Networks, 2008, 52, 196-201.	1.6	0
99	On the number of components of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mi>k</mml:mi><mml:mo>,</mml:mo><mml:mi>g</mml:mi><mml:mo>)</mml:mo></ after vertex deletion. Discrete Applied Mathematics, 2009, 157, 1760-1765.	0.5	0
100	On the Superconnectivity in graphs with odd girth g and even girth h. Electronic Notes in Discrete Mathematics, 2009, 34, 537-541.	0.4	0
101	The distribution of extremes in the degree sequence: A Gumbel distribution approach. Applied Mathematics Letters, 2009, 22, 553-556.	1.5	0
102	New results on connectivity of cages. Electronic Notes in Discrete Mathematics, 2011, 38, 93-99.	0.4	0
103	Topological minors in bipartite graphs. Acta Mathematica Sinica, English Series, 2011, 27, 2085-2100.	0.2	0
104	A sufficient degree condition for a graph to contain all trees of size k. Acta Mathematica Sinica, English Series, 2011, 27, 135-140.	0.2	0
105	Edgeâ€superconnectivity of semiregular cages with odd girth. Networks, 2011, 58, 201-206.	1.6	0
106	New results on 3-domination critical graphs. Aequationes Mathematicae, 2012, 83, 257-269.	0.4	0
107	On Superconnectivity of (4, g)-Cages. Graphs and Combinatorics, 2013, 29, 105-119.	0.2	0
108	Families of small regular graphs of girth 7. Electronic Notes in Discrete Mathematics, 2013, 40, 341-345.	0.4	0

#	Article	IF	Citations
109	Bounds on the order of biregular graphs with even girth at least 8. Electronic Notes in Discrete Mathematics, 2013, 40, 59-63.	0.4	0
110	On a conjecture on the order of cages with a given girth pair. Discrete Applied Mathematics, 2015, 190-191, 24-33.	0.5	0
111	New family of small regular graphs of girth 5. Electronic Notes in Discrete Mathematics, 2016, 54, 139-144.	0.4	0
112	Elliptic semiplanes and regular graphs with girth 5. Electronic Notes in Discrete Mathematics, 2018, 68, 245-250.	0.4	0
113	Identifying codes in line digraphs. Applied Mathematics and Computation, 2020, 383, 125357.	1.4	0
114	Further Topics in Connectivity. Discrete Mathematics and Its Applications, 2013, , 360-397.	0.1	0