

# Camino Balbuena

## List of Publications by Year in descending order

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114  
papers

768  
citations

623574

14  
h-index

752573

20  
g-index

115  
all docs

115  
docs citations

115  
times ranked

190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying codes in line digraphs. Applied Mathematics and Computation, 2020, 383, 125357.	1.4	0
2	Improving bounds on the order of regular graphs of girth 5. Discrete Mathematics, 2019, 342, 2900-2910.	0.4	2
3	Characterizing identifying codes from the spectrum of a graph or digraph. Linear Algebra and Its Applications, 2019, 570, 138-147.	0.4	3
4	The p-restricted edge-connectivity of Kneser graphs. Applied Mathematics and Computation, 2019, 343, 258-267.	1.4	3
5	Sufficient conditions for a digraph to admit a $(1, \ell)$ -identifying code. Discussiones Mathematicae - Graph Theory, 2019, , .	0.2	1
6	Bounds on the k-restricted arc connectivity of some bipartite tournaments. Applied Mathematics and Computation, 2018, 331, 54-60.	1.4	5
7	Vertex disjoint 4-cycles in bipartite tournaments. Discrete Mathematics, 2018, 341, 1103-1108.	0.4	2
8	Elliptic semiplanes and regular graphs with girth 5. Electronic Notes in Discrete Mathematics, 2018, 68, 245-250.	0.4	0
9	Rainbow connectivity of Moore cages of girth 6. Discrete Applied Mathematics, 2018, 250, 104-109.	0.5	1
10	A family of mixed graphs with large order and diameter 2. Discrete Applied Mathematics, 2017, 218, 57-63.	0.5	5
11	New small regular graphs of girth 5. Discrete Mathematics, 2017, 340, 1878-1888.	0.4	7
12	New family of small regular graphs of girth 5. Electronic Notes in Discrete Mathematics, 2016, 54, 139-144.	0.4	0
13	A construction of dense mixed graphs of diameter 2. Electronic Notes in Discrete Mathematics, 2016, 54, 235-240.	0.4	1
14	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
15	On a conjecture on the order of cages with a given girth pair. Discrete Applied Mathematics, 2015, 190-191, 24-33.	0.5	0
16	Total Domination Edge Critical Graphs with Total Domination Number Three and Many Dominating Pairs. Graphs and Combinatorics, 2015, 31, 1163-1176.	0.2	6
17	On the acyclic disconnection and the girth. Discrete Applied Mathematics, 2015, 186, 13-18.	0.5	4
18	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
19	On the order of graphs with a given girth pair. Discrete Mathematics, 2014, 321, 68-75.	0.4	2
20	On the connectivity and restricted edge-connectivity of 3-arc graphs. Discrete Applied Mathematics, 2014, 162, 90-99.	0.5	3
21	On the superrestricted arcconnectivity of $s$ -geodetic digraphs. Networks, 2013, 61, 20-28.	1.6	11
22	Large vertex-transitive graphs of diameter 2 from incidence graphs of biaffine planes. Discrete Mathematics, 2013, 313, 2014-2019.	0.4	3
23	On bi-regular cages of even girth at least 8. Aequationes Mathematicae, 2013, 86, 201-216.	0.4	4
24	On Superconnectivity of $(4, g)$ -Cages. Graphs and Combinatorics, 2013, 29, 105-119.	0.2	0
25	Families of small regular graphs of girth 7. Electronic Notes in Discrete Mathematics, 2013, 40, 341-345.	0.4	0
26	A note on the upper bound and girth pair of $(k;g)$ -cages. Discrete Applied Mathematics, 2013, 161, 853-857.	0.5	3
27	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
28	Constructions of biregular cages of girth five. Electronic Notes in Discrete Mathematics, 2013, 40, 9-14.	0.4	1
29	The $k$ -restricted edge-connectivity of a product of graphs. Discrete Applied Mathematics, 2013, 161, 52-59.	0.5	9
30	Biregular Cages of Girth Five. Electronic Journal of Combinatorics, 2013, 20, .	0.2	3
31	Further Topics in Connectivity. Discrete Mathematics and Its Applications, 2013, , 360-397.	0.1	0
32	A new bound for the connectivity of cages. Applied Mathematics Letters, 2012, 25, 1676-1680.	1.5	6
33	New results on 3-domination critical graphs. Aequationes Mathematicae, 2012, 83, 257-269.	0.4	0
34	Restricted arc connectivity of generalized $p$ -cycles. Discrete Applied Mathematics, 2012, 160, 1325-1332.	0.5	1
35	Families of small regular graphs of girth 5. Discrete Mathematics, 2012, 312, 2832-2842.	0.5	8
36	Families of small regular graphs of girth 5. Discrete Mathematics, 2012, 312, 2832-2842.	0.4	14

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37	On second order degree of graphs. Acta Mathematica Sinica, English Series, 2012, 28, 171-182.	0.2	1
38	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
39	Constructions of small regular bipartite graphs of girth 6. Networks, 2011, 57, n/a-n/a.	1.6	7
40	New results on connectivity of cages. Electronic Notes in Discrete Mathematics, 2011, 38, 93-99.	0.4	0
41	Topological minors in bipartite graphs. Acta Mathematica Sinica, English Series, 2011, 27, 2085-2100.	0.2	0
42	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
43	Superconnectivity of graphs with odd girth. $\langle \text{mml:math altimg="si11.gif" display="inline"} \rangle$ $\langle \text{mml:math altimg="si2.gif" display="inline"} \rangle$ Monotonicity of the order of $\langle \text{mml:math altimg="si2.gif" display="inline"} \rangle$ $\langle \text{mml:math altimg="si3.gif" display="inline"} \rangle$	0.5	3
44	Edge $\epsilon$ -superconnectivity of semiregular cages with odd girth. Networks, 2011, 58, 201-206.	1.5	2
45	On the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline"} \rangle$ $\langle \text{mml:math altimg="si3.gif" display="inline"} \rangle$ in graphs with odd girth $\langle \text{mml:math altimg="si3.gif" display="inline"} \rangle$ and even girth $\langle \text{mml:math altimg="si4.gif" display="inline"} \rangle$ over.	1.6	0
46	Partial linear spaces and identifying codes. European Journal of Combinatorics, 2011, 32, 344-351.	1.5	1
47	Diameter and connectivity of (D; g)-cages. International Journal of Computer Mathematics, 2011, 88, 1387-1397.	0.5	2
48	On the connectivity of semiregular cages. Networks, 2010, 56, 81-88.	1.0	2
49	On the connectivity and superconnected graphs with small diameter. Discrete Applied Mathematics, 2010, 158, 397-403.	1.6	1
50	On the restricted arc-connectivity of s-geodetic digraphs. Acta Mathematica Sinica, English Series, 2010, 26, 1865-1876.	0.5	7
51	Adjacency matrices of polarity graphs and of other C <sub>4</sub> -free graphs of large size. Designs, Codes, and Cryptography, 2010, 55, 221-233.	0.2	8
52	Edge fault tolerance analysis of super k-restricted connected networks. Applied Mathematics and Computation, 2010, 216, 506-513.	1.0	10
53	Kernels and partial line digraphs. Applied Mathematics Letters, 2010, 23, 1218-1220.	1.4	12
54		1.5	3

#	ARTICLE	IF	CITATIONS
55	New families of graphs without short cycles and large size. Discrete Applied Mathematics, 2010, 158, 1127-1135.	0.5	6
56	Finding small regular graphs of girths 6, 8 and 12 as subgraphs of cages. Discrete Mathematics, 2010, 310, 1301-1306.	0.4	15
57	Calculating the extremal number $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si232.gif" display="inline" overflow="scroll"} \rangle$		

#	ARTICLE	IF	CITATIONS
73	A lower bound on the order of regular graphs with given girth pair. Journal of Graph Theory, 2007, 55, 153-163.	0.5	5
74	Edge-connectivity and edge-superconnectivity in sequence graphs. Discrete Applied Mathematics, 2007, 155, 2053-2060.	0.5	0
75	Lower connectivities of regular graphs with small diameter. Discrete Mathematics, 2007, 307, 1255-1265.	0.4	4
76	On the restricted connectivity and superconnectivity in graphs with given girth. Discrete Mathematics, 2007, 307, 659-667.	0.4	21
77	New results on the Zarankiewicz problem. Discrete Mathematics, 2007, 307, 2322-2327.	0.4	6
78	Trees having an even or quasi even degree sequence are graceful. Applied Mathematics Letters, 2007, 20, 370-375.	1.5	8
79	A sufficient condition for $\langle n, k, g \rangle$ to be a graceful graph. Discrete Applied Mathematics, 2007, 155, 2444-2455.	0.5	3
80	On the edge-connectivity and restricted edge-connectivity of a product of graphs. Discrete Applied Mathematics, 2007, 155, 2444-2455.	0.5	13
81	On the connectivity of cages with girth five, six and eight. Discrete Mathematics, 2007, 307, 1441-1446.	0.4	16
82	Connectivity of graphs with given girth pair. Discrete Mathematics, 2007, 307, 155-162.	0.4	9
83	Counterexample to a conjecture of GyÁri on $\langle n, k, g \rangle$ to be a graceful graph. Discrete Applied Mathematics, 2007, 155, 2444-2455.	0.4	5
84	New exact values of the maximum size of graphs free of topological complete subgraphs. Discrete Mathematics, 2007, 307, 1038-1046.	0.4	1
85	On the degrees of a strongly vertex-magic graph. Discrete Mathematics, 2006, 306, 539-551.	0.4	9
86	Consecutive magic graphs. Discrete Mathematics, 2006, 306, 1817-1829.	0.4	2
87	On extremal bipartite graphs with high girth. Electronic Notes in Discrete Mathematics, 2006, 26, 67-73.	0.4	2
88	Highly connected star product graphs. Electronic Notes in Discrete Mathematics, 2006, 26, 91-96.	0.4	0
89	All $(k;g)$ -cages are edge-superconnected. Networks, 2006, 47, 102-110.	1.6	9
90	Reliability of interconnection networks modeled by a product of graphs. Networks, 2006, 48, 114-120.	1.6	13

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91	Sufficient conditions for $\hat{\lambda}$ - $\epsilon^2$ -optimality in graphs with girth $g$ . Journal of Graph Theory, 2006, 52, 73-86. Improved lower bound for the vertex connectivity of $\langle \text{mml:math altimg="si2.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" http://www.elsevier.com/xml/xocs/dtd" xmlns:sb="http://www.w3.org/2001/XMLSchema/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:si="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	0.5	47
92	Edge-connectivity in $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" http://www.elsevier.com/xml/xocs/dtd" xmlns:sb="http://www.w3.org/2001/XMLSchema/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	0.4	15
93	Discrete Mathematics, 2004, 43, 54-59.	0.4	16
94	Diameter vulnerability of iterated line digraphs in terms of the girth. Networks, 2005, 45, 49-54.	1.6	4
95	Connectedness of digraphs and graphs under constraints on the conditional diameter. Networks, 2005, 45, 80-87.	1.6	3
96	On restricted connectivities of permutation graphs. Networks, 2005, 45, 113-118.	1.6	23
97	Sufficient conditions for $\lambda$ -optimality of graphs with small conditional diameter. Information Processing Letters, 2005, 95, 429-434.	0.4	20
98	Edge-connectivity in $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" http://www.elsevier.com/xml/xocs/dtd" xmlns:sb="http://www.w3.org/2001/XMLSchema/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	0.4	6
99	Edge-superconnectivity of cages. Networks, 2004, 43, 54-59.	1.6	13
100	Diameter, short paths and superconnectivity in digraphs. Discrete Mathematics, 2004, 288, 113-123.	0.4	11
101	Using a progressive withdrawal procedure to study superconnectivity in digraphs. Discrete Mathematics, 2003, 267, 229-246.	0.4	1
102	Edge-connectivity and super edge-connectivity of $P_2$ -path graphs. Discrete Mathematics, 2003, 269, 13-20.	0.4	7
103	Diameter vulnerability of GC graphs. Discrete Applied Mathematics, 2003, 130, 395-416.	0.5	1
104	Every cubic cage is quasi 4-connected. Discrete Mathematics, 2003, 266, 311-320.	0.4	9
105	Superconnected digraphs and graphs with small conditional diameters. Networks, 2002, 39, 153-160.	1.6	13
106	On the superconnectivity of generalized $p$ -cycles. Discrete Mathematics, 2002, 255, 13-23.	0.4	6
107	Extraconnectivity of $s$ -geodetic digraphs and graphs. Discrete Mathematics, 1999, 195, 39-52.	0.4	12
108	Superconnectivity of bipartite digraphs and graphs. Discrete Mathematics, 1999, 197-198, 61-75.	0.4	12

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109	Superconnectivity of bipartite digraphs and graphs. Discrete Mathematics, 1999, 197-198, 61-75.	0.4	9
110	On the order and size of s-geodetic digraphs with given connectivity. Discrete Mathematics, 1997, 174, 19-27.	0.4	25
111	Extraconnectivity of graphs with large minimum degree and girth. Discrete Mathematics, 1997, 167-168, 85-100.	0.4	24
112	Connectivity of large bipartite digraphs and graphs. Discrete Mathematics, 1997, 174, 3-17.	0.4	5
113	On the connectivity and the conditional diameter of graphs and digraphs. Networks, 1996, 28, 97-105.	1.6	21
114	Distance connectivity in graphs and digraphs. Journal of Graph Theory, 1996, 22, 281-292.	0.5	13