Ismael G Yero

List of Publications by Year in descending order

97 papers	1,129 citations	471061 17 h-index	476904 29 g-index
99 all docs	99 docs citations	99 times ranked	317 citing authors

#	Article	IF	Citations
1	A note on the metric and *edge* metric dimensions of 2-connected graphs. Discrete Applied Mathematics, 2022, 319, 454-460.	0.5	2
2	Incidence dimension and 2-packing number in graphs. RAIRO - Operations Research, 2022, 56, 199-211.	1.0	1
3	On vertices contained in all or in no metric basis. Discrete Applied Mathematics, 2022, 319, 407-423.	0.5	1
4	Relating the Outer-Independent Total Roman Domination Number with Some Classical Parameters of Graphs. Mediterranean Journal of Mathematics, 2022, 19, 1.	0.4	0
5	On The (k,t)-Metric Dimension Of Graphs. Computer Journal, 2021, 64, 707-720.	1.5	10
6	Maker–Breaker Resolving Game. Bulletin of the Malaysian Mathematical Sciences Society, 2021, 44, 2081-2099.	0.4	4
7	Total Roman {2}-domination in graphs. Quaestiones Mathematicae, 2021, 44, 411-434.	0.2	9
8	On the total and strong version for Roman dominating functions in graphs. Aequationes Mathematicae, 2021, 95, 215-236.	0.4	1
9	Roman domination in direct product graphs and rooted product graphs. AIMS Mathematics, 2021, 6, 11084-11096.	0.7	3
10	General d-position sets. Ars Mathematica Contemporanea, 2021, 21, #P1.03.	0.3	5
11	On General Position Sets in Cartesian Products. Results in Mathematics, 2021, 76, 1.	0.4	17
12	On three outer-independent domination related parameters in graphs. Discrete Applied Mathematics, 2021, 294, 115-124.	0.5	5
13	Graphs with the edge metric dimension smaller than the metric dimension. Applied Mathematics and Computation, 2021, 401, 126076.	1.4	19
14	Approach to the Formulation of the Variable Change Theorem. Education Sciences, 2021, 11, 357.	1.4	1
15	A Steiner general position problem in graph theory. Computational and Applied Mathematics, 2021, 40, 1.	1.0	4
16	Covering Italian domination in graphs. Discrete Applied Mathematics, 2021, 304, 324-331.	0.5	1
17	On the Packing Partitioning Problem on Directed Graphs. Mathematics, 2021, 9, 3148.	1.1	0
18	Edge Metric Dimension of Some Graph Operations. Bulletin of the Malaysian Mathematical Sciences Society, 2020, 43, 2465-2477.	0.4	41

#	Article	IF	Citations
19	Dominating the Direct Product of Two Graphs through Total Roman Strategies. Mathematics, 2020, 8, 1438.	1.1	6
20	Constructive characterizations concerning weak Roman domination in trees. Discrete Applied Mathematics, 2020, 284, 384-390.	0.5	5
21	Further new results on strong resolving partitions for graphs. Open Mathematics, 2020, 18, 237-248.	0.5	6
22	The Simultaneous Strong Resolving Graph and the Simultaneous Strong Metric Dimension of Graph Families. Mathematics, 2020, 8, 125.	1.1	1
23	Global defensive k-alliances in directed graphs: combinatorial and computational issues. RAIRO - Operations Research, 2020, 54, 1027-1040.	1.0	0
24	Distance-based vertex identification in graphs: The outer multiset dimension. Applied Mathematics and Computation, 2019, 363, 124612.	1.4	5
25	Quasi-total Roman Domination in Graphs. Results in Mathematics, 2019, 74, 1.	0.4	8
26	On the computational complexities of three problems related to a privacy measure for large networks under active attack. Theoretical Computer Science, 2019, 775, 53-67.	0.5	4
27	Packing and domination parameters in digraphs. Discrete Applied Mathematics, 2019, 269, 184-192.	0.5	2
28	Efficient closed domination in digraph products. Journal of Combinatorial Optimization, 2019, 38, 130-149.	0.8	2
29	The general position problem and strong resolving graphs. Open Mathematics, 2019, 17, 1126-1135.	0.5	14
30	Outer-independent total Roman domination in graphs. Discrete Applied Mathematics, 2019, 269, 107-119.	0.5	11
31	On analyzing and evaluating privacy measures for social networks under active attack. Information Sciences, 2019, 473, 87-100.	4.0	12
32	On Computational and Combinatorial Properties of the Total Co-independent Domination Number of Graphs. Computer Journal, 2019, 62, 97-108.	1.5	9
33	The fractional k-metric dimension of graphs. Applicable Analysis and Discrete Mathematics, 2019, 13, 203-223.	0.3	3
34	Error-correcting codes from k-resolving sets. Discussiones Mathematicae - Graph Theory, 2019, 39, 341.	0.2	7
35	Strong resolving graphs: The realization and the characterization problems. Discrete Applied Mathematics, 2018, 236, 270-287.	0.5	11
36	Uniquely identifying the edges of a graph: The edge metric dimension. Discrete Applied Mathematics, 2018, 251, 204-220.	0.5	128

#	Article	IF	Citations
37	The fractional strong metric dimension in three graph products. Discrete Applied Mathematics, 2018, 251, 190-203.	0.5	3
38	Bounding the open k-monopoly number of strong product graphs. Discussiones Mathematicae - Graph Theory, 2018, 38, 287.	0.2	0
39	On some resolving partitions for the lexicographic product of two graphs. International Journal of Computer Mathematics, 2017, 94, 1363-1374.	1.0	4
40	On the strong Roman domination number of graphs. Discrete Applied Mathematics, 2017, 231, 44-59.	0.5	8
41	Computing the k -metric dimension of graphs. Applied Mathematics and Computation, 2017, 300, 60-69.	1.4	23
42	On the independence transversal total domination number of graphs. Discrete Applied Mathematics, 2017, 219, 65-73.	0.5	2
43	The forcing total restrained geodetic number and the total restrained geodetic number of a graph: Realizability and complexity. AKCE International Journal of Graphs and Combinatorics, 2017, 14, 242-250.	0.4	0
44	Mixed metric dimension of graphs. Applied Mathematics and Computation, 2017, 314, 429-438.	1.4	57
45	Graphs that are simultaneously efficient open domination and efficient closed domination graphs. Discrete Applied Mathematics, 2017, 217, 613-621.	0.5	7
46	Resolvability and Strong Resolvability in the Direct Product of Graphs. Results in Mathematics, 2017, 71, 509-526.	0.4	5
47	Computing the metric dimension of a graph from primary subgraphs. Discussiones Mathematicae - Graph Theory, 2017, 37, 273.	0.2	7
48	The k-metric dimension of the lexicographic product of graphs. Discrete Mathematics, 2016, 339, 1924-1934.	0.4	19
49	The security number of strong grid-like graphs. Theoretical Computer Science, 2016, 653, 1-14.	0.5	3
50	Vertices, edges, distances and metric dimension in graphs. Electronic Notes in Discrete Mathematics, 2016, 55, 191-194.	0.4	21
51	Characterizing 1-Metric Antidimensional Trees and Unicyclic Graphs. Computer Journal, 2016, 59, 1264-1273.	1.5	4
52	Relationships Between the 2-Metric Dimension and the 2-Adjacency Dimension in the Lexicographic Product of Graphs. Graphs and Combinatorics, 2016, 32, 2367-2392.	0.2	4
53	The k-Metric Dimension of Corona Product Graphs. Bulletin of the Malaysian Mathematical Sciences Society, 2016, 39, 135-156.	0.4	18
54	Domination-Related Parameters in Rooted Product Graphs. Bulletin of the Malaysian Mathematical Sciences Society, 2016, 39, 199-217.	0.4	12

#	Article	IF	Citations
55	k -Metric antidimension: A privacy measure for social graphs. Information Sciences, 2016, 328, 403-417.	4.0	35
56	Strong resolving partitions for strong product graphs and Cartesian product graphs. Discrete Applied Mathematics, 2016, 202, 70-78.	0.5	3
57	Strong metric dimension of rooted product graphs. International Journal of Computer Mathematics, 2016, 93, 1265-1280.	1.0	13
58	Total Roman domination in graphs. Applicable Analysis and Discrete Mathematics, 2016, 10, 501-517.	0.3	51
59	Independent transversal dominating sets in graphs: Complexity and structural properties. Filomat, 2016, 30, 293-303.	0.2	9
60	Closed formulae for the strong metric dimension of lexicographic product graphs. Discussiones Mathematicae - Graph Theory, 2016, 36, 1051.	0.2	8
61	Edge subdivision and edge multisubdivision versus some domination related parameters in generalized corona graphs. Opuscula Mathematica, 2016, 36, 575.	0.3	1
62	Convex dominating-geodetic partitions in graphs. Filomat, 2016, 30, 3075-3082.	0.2	0
63	On the strong metric dimension of the strong products of graphs. Open Mathematics, 2015, 13, .	0.5	8
64	On the Strong Metric Dimension of Cartesian Sum Graphs. Fundamenta Informaticae, 2015, 141, 57-69.	0.3	5
65	Erratum to â€œOn the strong metric dimension of the strong products of graphsâ€• Open Mathematics, 2015, 13, .	0.5	3
66	Analogies between the geodetic number and the Steiner number of some classes of graphs. Filomat, 2015, 29, 1781-1788.	0.2	3
67	Partial product of graphs and Vizing's conjecture. Ars Mathematica Contemporanea, 2015, 9, 19-25.	0.3	2
68	The metric dimension of strong product graphs. Carpathian Journal of Mathematics, 2015, 31, 261-268.	0.4	11
69	Computing the (k-)monopoly number of direct product of graphs. Filomat, 2015, 29, 1163-1171.	0.2	2
70	On the partition dimension of trees. Discrete Applied Mathematics, 2014, 166, 204-209.	0.5	35
71	k-metric resolvability in graphs. Electronic Notes in Discrete Mathematics, 2014, 46, 121-128.	0.4	11
72	On the strong metric dimension of Cartesian and direct products of graphs. Discrete Mathematics, 2014, 335, 8-19.	0.4	27

#	Article	IF	Citations
73	On the strong metric dimension of product graphs. Electronic Notes in Discrete Mathematics, 2014, 46, 169-176.	0.4	3
74	Bondage number of grid graphs. Discrete Applied Mathematics, 2014, 167, 94-99.	0.5	8
75	The partition dimension of strong product graphs and Cartesian product graphs. Discrete Mathematics, 2014, 331, 43-52.	0.4	21
76	On the Strong Partition Dimension of Graphs. Electronic Journal of Combinatorics, 2014, 21, .	0.2	4
77	Alliance free sets in Cartesian product graphs. Discrete Applied Mathematics, 2013, 161, 1618-1625.	0.5	0
78	On the strong metric dimension of corona product graphs and join graphs. Discrete Applied Mathematics, 2013, 161, 1022-1027.	0.5	56
79	Computing global offensive alliances in Cartesian product graphs. Discrete Applied Mathematics, 2013, 161, 284-293.	0.5	6
80	Coloring, location and domination of corona graphs. Aequationes Mathematicae, 2013, 86, 1-21.	0.4	14
81	On Clark and Suen bound-type results for *k*-domination and Roman domination of Cartesian product graphs. International Journal of Computer Mathematics, 2013, 90, 522-526.	1.0	4
82	Roman domination in Cartesian product graphs and strong product graphs. Applicable Analysis and Discrete Mathematics, 2013, 7, 262-274.	0.3	22
83	Nordhaus-Gaddum results for the convex domination number of a graph. Periodica Mathematica Hungarica, 2012, 65, 125-134.	0.5	4
84	Partitioning a Graph into Global Powerful *k*-Alliances. Graphs and Combinatorics, 2012, 28, 575-583.	0.2	4
85	The limit case of a domination property. Acta Mathematica Sinica, English Series, 2012, 28, 463-468.	0.2	0
86	Alliance free and alliance cover sets. Acta Mathematica Sinica, English Series, 2011, 27, 497-504.	0.2	1
87	Partitioning a graph into defensive *k*-alliances. Acta Mathematica Sinica, English Series, 2011, 27, 73-82.	0.2	10
88	On the metric dimension of corona product graphs. Computers and Mathematics With Applications, 2011, 61, 2793-2798.	1.4	83
89	Partitioning a graph into offensive k-alliances. Discrete Applied Mathematics, 2011, 159, 224-231.	0.5	11
90	On the RandiÄ‡ Index of Corona Product Graphs. , 2011, 2011, 1-7.		0

#	Article	IF	Citations
91	Boundary defensive <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si8.gif" display="inline" overflow="scroll"><mml:mi>k</mml:mi></mml:math>-alliances in graphs. Discrete Applied Mathematics, 2010, 158, 1205-1211.	0.5	8
92	A note on the partition dimension of Cartesian product graphs. Applied Mathematics and Computation, 2010, 217, 3571-3574.	1.4	44
93	On global offensive <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. Applie	1.5	11
94	Estimating the higher-order RandiÄ‡ index. Chemical Physics Letters, 2010, 489, 118-120.	1.2	7
95	Defensive <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>-alliances in graphs. Applied Mathematics Letters, 2009, 22, 96-100.	1.5	18
96	On the Outer Independent Double Roman Domination Number. Bulletin of the Iranian Mathematical Society, 0, , 1.	0.4	5
97	The total co-independent domination number of some graph operations. Revista De La Union Matematica Argentina, 0, , 153-168.	0.0	3