Saeid Alikhani

List of Publications by Year
in descending order

65 papers	298 citations	1040056 9 h-index	996975 15 g-index
66 all docs	66 docs citations	66 times ranked	168 citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of graphs using domination polynomials. European Journal of Combinatorics, 2010, 31, 1714-1724.	0.8	52
2	Dominating Sets and Domination Polynomials of Paths. International Journal of Mathematics and Mathematical Sciences, 2009, 2009, 1-10.	0.7	25
3	Dominatind sets and domination polynomials of certain graphs. II. Opuscula Mathematica, 2010, 30, 37.	0.8	23
4	On the Atom-Bond Connectivity Index of Some Families of Dendrimers. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1802-1805.	0.4	16
5	Study of the effect of mechanical pressure on determination of position and size of tumor in biological phantoms. Applied Optics, 2013, 52, 2739.	1.8	14
6	More on the total dominator chromatic number of a graph. Journal of Information and Optimization Sciences, 2019, 40, 157-169.	0.3	12
7	Chromatic Polynomials of Some Dendrimers. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2314-2316.	0.4	11
8	On the domination polynomials of friendship graphs. Filomat, 2016, 30, 169-178.	0.5	10
9	The Domination Polynomial of a Graph at -1. Graphs and Combinatorics, 2013, 29, 1175-1181.	0.4	9
10	The numerical and experimental study of photon diffusion inside biological tissue using boundary integral method. Optics Communications, 2012, 285, 851-855.	2.1	8
11	On the Structure of Dominating Graphs. Graphs and Combinatorics, 2017, 33, 665-672.	0.4	8
12	Distinguishing number and distinguishing index of certain graphs. Filomat, 2017, 31, 4393-4404.	0.5	8
13	Independence roots and independence fractals of certain graphs. Journal of Applied Mathematics and Computing, 2011, 36, 89-100.	2.5	7
14	Randiç energy of specific graphs. Applied Mathematics and Computation, 2015, 269, 722-730.	2.2	7
15	On the graphs with four distinct domination roots. International Journal of Computer Mathematics, 2011, 88, 2717-2720.	1.8	6
16	A hybrid imaging method based on diffuse optical tomography and optomechanical method to detect a tumor in the biological phantom. Optics Communications, 2015, 342, 12-19.	2.1	6
17	Hosoya polynomial of some cactus chains. Cogent Mathematics, 2017, 4, 1305638.	0.4	6
18	The distinguishing number and distinguishing index of the lexicographic product of two graphs. Discussiones Mathematicae - Graph Theory, 2018, 38, 853.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Computation of Gutman index of some cactus chains. Electronic Journal of Graph Theory and Applications, 2018, 6, 138.	0.2	6
20	Eccentric Connectivity Polynomials of Some Families of Dendrimers. Journal of Computational and Theoretical Nanoscience, 2014, 11, 450-453.	0.4	5
21	Domination polynomial of lexicographic product of specific graphs. Journal of Information and Optimization Sciences, 2018, 39, 1019-1028.	0.3	5
22	The distinguishing number and the distinguishing index of line and graphoidal graph(s). AKCE International Journal of Graphs and Combinatorics, 2020, 17, 1-6.	0.7	5
23	On the spectral determinations of the connected multicone graphs. AKCE International Journal of Graphs and Combinatorics, 2020, 17, 149-158.	0.7	3
24	On the independent domination polynomial of a graph. Discrete Applied Mathematics, 2021, 289, 416-426.	0.9	3
25	The Distinguishing Numbers and the Distinguishing Indexes of Cayley Graphs. Journal of Applied and Industrial Mathematics, 2021, 15, 1-6.	0.4	3
26	Trees with distinguishing index equal distinguishing number plus one. Discussiones Mathematicae - Graph Theory, 2020, 40, 875.	0.3	3
27	Mostar index and edge Mostar index of polymers. Computational and Applied Mathematics, 2021, 40, 1.	2.2	3
28	Chromatic zeros and the golden ratio. Applicable Analysis and Discrete Mathematics, 2009, 3, 120-122.	0.7	2
29	Algebraic Integers as Chromatic and Domination Roots. International Journal of Combinatorics, 2012, 2012, 1-8.	0.2	2
30	On the Domination Polynomial of Some Graph Operations. ISRN Combinatorics, 2013, 2013, 1-3.	0.2	2
31	The Distinguishing Number of Kronecker Product of Two Graphs. Lecture Notes in Computer Science, 2017, , 341-346.	1.3	2
32	Stabilizing the distinguishing number of a graph. Communications in Algebra, 2018, 46, 5460-5468.	0.6	2
33	Distinguishing number and distinguishing index of some operations on graphs. Journal of Information and Optimization Sciences, 2018, 39, 1047-1059.	0.3	2
34	More on the unimodality of domination polynomial of a graph. Discrete Mathematics, Algorithms and Applications, 2022, 14, .	0.6	2
35	Fourth Order and Fourth Sum Connectivity Indices of Polyphenylene Dendrimers. Journal of Applied Sciences, 2012, 12, 2279-2282.	0.3	2
36	Chromatic zeros and generalized Fibonacci numbers. Applicable Analysis and Discrete Mathematics, 2009, 3, 330-335.	0.7	1

#	Article	IF	Citations
37	Dominating sets of centipedes. Journal of Discrete Mathematical Sciences and Cryptography, 2009, 12, 411-428.	0.8	1
38	Chromatic Polynomials of Certain Polyphenylene Dendrimers. Journal of Computational and Theoretical Nanoscience, 2012, 9, 560-563.	0.4	1
39	On the k-edge magic graphs. Electronic Notes in Discrete Mathematics, 2014, 45, 35-41.	0.4	1
40	Symmetry breaking in planar and maximal outerplanar graphs. Discrete Mathematics, Algorithms and Applications, 2019, 11, 1950008.	0.6	1
41	The chromatic distinguishing index of certain graphs. AKCE International Journal of Graphs and Combinatorics, 2020, 17, 131-138.	0.7	1
42	THE k-INDEPENDENT GRAPH OF A GRAPH. Advances and Applications in Discrete Mathematics, 2017, 18, 45-56.	0.1	1
43	Some families of graphs with no nonzero real domination roots. Electronic Journal of Graph Theory and Applications, 2018, 6, 17.	0.2	1
44	Construction of High Girth and Two Column Weight LDPC Code Based on Graph. Journal of Applied Sciences, 2012, 12, 798-801.	0.3	1
45	Signed Domination Number of Some Graphs. Iranian Journal of Science and Technology, Transaction A: Science, 2022, 46, 291.	1.5	1
46	Exploring Water Governing System Fit Through a Statistical Mechanics Approach. Water Research, 2022, 215, 118272.	11.3	1
47	Bounds for Energy of Certain Polyphenylene Dendrimers. Journal of Computational and Theoretical Nanoscience, 2012, 9, 1055-1058.	0.4	0
48	Some new results on domination roots of a graph. Electronic Notes in Discrete Mathematics, 2013, 43, 425-430.	0.4	0
49	An admissible estimator for the rth power of a bounded scale parameter in a subclass of the exponential family under entropy loss function. Ukrainian Mathematical Journal, 2013, 64, 1297-1307.	0.5	0
50	Graphs Whose Certain Polynomials Have Few Distinct Roots. , 2013, 2013, 1-8.		0
51	Construction of Dominating Sets of Certain Graphs. Journal of Discrete Mathematics, 2013, 2013, 1-7.	0.4	0
52	On the Barycentric Labeling of Certain Graphs. Journal of Discrete Mathematics, 2014, 2014, 1-4.	0.4	0
53	Domination Polynomials of k-Tree Related Graphs. International Journal of Combinatorics, 2014, 2014, 1-5.	0.2	0
54	On k-edge-magic labelings of maximal outerplanar graphs. AKCE International Journal of Graphs and Combinatorics, 2015, 12, 40-46.	0.7	0

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55	Trees with distinguishing number two. AKCE International Journal of Graphs and Combinatorics, 2019, 16, 280-283.	0.7	0
56	On the k-neighborhood coloring of the corona and join products of graphs. Journal of Information and Optimization Sciences, 2019, 40, 805-811.	0.3	0
57	On the roots of total domination polynomial of graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 795-807.	0.8	0
58	On some parameters related to matching of graph powers. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 543-557.	0.8	0
59	On the signed domination number of some Cayley graphs. Communications in Algebra, 2020, 48, 2825-2832.	0.6	0
60	Distinguishing critical graphs. Journal of Information and Optimization Sciences, 2021, 42, 655-668.	0.3	0
61	Introduction to dominated edge chromatic number of a graph. Opuscula Mathematica, 2021, 41, 245-257.	0.8	0
62	The Number of 2-dominating Sets, and 2-domination Polynomial of a Graph. Lobachevskii Journal of Mathematics, 2021, 42, 751-759.	0.9	0
63	DISTINGUISHING NUMBER AND DISTINGUISHING INDEX OF JOIN OF TWO SPECIFIC GRAPHS. Advances and Applications in Discrete Mathematics, 2016, 17, 467-485.	0.1	0
64	ON THE ROOTS OF TOTAL DOMINATION POLYNOMIAL OF GRAPHS, II. Facta Universitatis Series Mathematics and Informatics, 0, , 659.	0.1	0
65	The distinguishing number of groups based on the distinguishing number of subgroups. Journal of Information and Optimization Sciences, 2022, 43, 311-321.	0.3	0