Mehdi Alaeiyan

List of Publications by Year
in descending order

43 papers	223 citations	1040056 9 h-index	1125743 13 g-index
43 all docs	43 docs citations	43 times ranked	118 citing authors

#	Article	IF	Citations
1	An exact formulas for the Wiener polarity index of nanostar dendrimers. Journal of Information and Optimization Sciences, 2020, 41, 933-939.	0.3	26
2	On Ve-degree molecular properties of copper oxide. Journal of Information and Optimization Sciences, 2020, 41, 949-957.	0.3	24
3	On some degree based topological indices of *mk*-graph. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 1183-1194.	0.8	18
4	On Sombor indices of line graph of silicate carbide $Si_2C_3\text{-}I[p,q]$. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 301-310.	0.8	18
5	The neighbourhood polynomial of certain networks. Journal of Information and Optimization Sciences, 2020, 41, 941-948.	0.3	17
6	Enumeration of spanning trees in a chain of diphenylene graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 241-251.	0.8	17
7	Studying thermodynamic properties of linear acenes molecules ($C_{4n+2}H_{2n+4}$) using hyper-Zagreb index. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 1261-1268.	0.8	16
8	A study of novel harmonic indices in nanocones $CNC_k[n]$. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 1335-1347.	0.8	12
9	Harmonic indices of polyhex zigzag TUZC6[m;n] nanotube and nanotori. Journal of Information and Optimization Sciences, 2020, 41, 1093-1100.	0.3	11
10	CUBIC EDGE-TRANSITIVE GRAPHS OF ORDER $8p^2$. Bulletin of the Australian Mathematical Society, 2008, 77, 315-323.	0.5	10
11	A note on edge-distance-balanced property of the generalized Petersen graphs $GP(4t, 2)$. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 1315-1322.	0.8	10
12	Perfect 2-colorings of the generalized Petersen graph. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2016, 126, 289-294.	0.1	7
13	Some points regarding the edge-distance-balanced property of the generalized Petersen graphs GP(n,) Tj ETQq1 1 0.784314 rgBT /Ov	0.3	5
14	Topological properties of four types of porphyrin dendrimers. Proyecciones, 2020, 39, 979-993.	0.3	4
15	Computing the Narumi-Katayama indices and its modified version of some nanostar dendrimers. Eurasian Chemical Communications, 2020, 2, 771-775.	0.9	4
16	Permutation groups of minimal movement. Archiv Der Mathematik, 2005, 85, 211-226.	0.5	3
17	Improvement on the bounds of permutation groups with bounded movement. Bulletin of the Australian Mathematical Society, 2003, 67, 249-256.	0.5	2
18	Classifying cubic edge-transitive graphs of order 8p. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2009, 119, 647-653.	0.1	2

#	Article	IF	Citations
19	The Omega Index of Polyomino Chain, Phenylene Graphs and Carbon Nanocones. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 316-321.	2.1	2
20	Quasi-λ-distance-balanced graphs. Discrete Applied Mathematics, 2017, 227, 21-28.	0.9	2
21	Classification of the pentavalent symmetric graphs of order 18p. Indian Journal of Pure and Applied Mathematics, 2019, 50, 485-497.	0.5	2
22	Resistance distance in some classes of rooted product graphs obtained by Laplacian generalized inverse method. Journal of Information and Optimization Sciences, 0, , 1-21.	0.3	2
23	Computing the Narumi–Katayama Index and Modified Narumi–Katayama Index of Some Families of Dendrimers and Tetrathiafulvalene. Journal of Mathematics, 2021, 2021, 1-3.	1.0	2
24	Semisymmetric cubic graphs of order $16p^2$. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2010, 120, 19-26.	0.1	1
25	A classification of cubic symmetric graphs of order $16p^2$. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2011, 121, 249-257.	0.1	1
26	A characterization by the product element orders for some groups. Journal of Information and Optimization Sciences, 2020, 41, 1133-1139.	0.3	1
27	Cyclic codes of length p^n over $(\mathbb{Z}_p)^m$. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 579-588.	0.8	1
28	On some degree-based irregularity indices of certain networks. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 617-628.	0.8	1
29	Perfect 2-colorings of the Johnson graph $J(9,4)$. Mathematical Sciences, 2022, 16, 133-136.	1.7	1
30	On reformulated Narumi-Katayama index. Proyecciones, 2020, 39, 1333-1346.	0.3	1
31	Subsets with Restricted Movement. Southeast Asian Bulletin of Mathematics, 2001, 25, 117-120.	0.1	0
32	Intransitive Permutation Group with Bounded Movement. Southeast Asian Bulletin of Mathematics, 2003, 26, 181-184.	0.1	0
33	Graph Polynomials. ISRN Algebra, 2011, 2011, 1-10.	0.4	0
34	Movement of intransitive permutation groups having maximum degree. Chinese Annals of Mathematics Series B, 2012, 33, 143-148.	0.4	0
35	Perfect 2-coloring of the quartic graphs with order at most 8. Mathematical Sciences, 2019, 13, 249-254.	1.7	0
36	Perfect 2-colorings of the cubic graphs of order less than or equal to 10. AKCE International Journal of Graphs and Combinatorics, 2020, 17, 380-386.	0.7	0

#	Article	IF	Citations
37	Comparison of DNA strands by molecular topological and ALE indices. Journal of Information and Optimization Sciences, 2020, 41, 1077-1091.	0.3	0
38	Perfect 3-Colorings of the Johnson Graph J(6,Â3). Bulletin of the Iranian Mathematical Society, 2020, 46, 1603-1612.	1.0	0
39	Nonnormal Edge-Transitive Cubic Cayley Graphs of Dihedral Groups. ISRN Algebra, 2011, 2011, 1-6.	0.4	0
40	The Zagreb Indices of Composed Graphs. Journal of Computational and Theoretical Nanoscience, 2016, 13, 3493-3496.	0.4	0
41	Pentavalent 1-Transitive Digraphs with Non-Solvable Automorphism Groups. Indian Journal of Pure and Applied Mathematics, 2020, 51, 1919-1930.	0.5	0
42	Construction of Petersen graph via graph product and correlation of topological descriptors of Petersen graph in terms of cyclic graph C_5. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 1525-1534.	0.8	0
43	The study of the b-choromatic number of some classes of fractal graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 1509-1524.	0.8	0