

Muhammad Javaid

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Computing First General Zagreb Index of Operations on Graphs. IEEE Access, 2019, 7, 47494-47502.	4.2	48
2	Computing Correlation among the Graphs under Lexicographic Product via Zagreb Indices. Journal of Chemistry, 2021, 2021, 1-17.	1.9	42
3	Multiplicative Zagreb Indices of Molecular Graphs. Journal of Chemistry, 2019, 2019, 1-19.	1.9	41
4	Degree-Based Topological Invariants of Metal-Organic Networks. IEEE Access, 2020, 8, 68288-68300.	4.2	40
5	Topological indices of rhombus type silicate and oxide networks. Canadian Journal of Chemistry, 2017, 95, 134-143.	1.1	38
6	Computing Zagreb Indices of the Subdivision-Related Generalized Operations of Graphs. IEEE Access, 2019, 7, 105479-105488.	4.2	33
7	Sharp Bounds of Local Fractional Metric Dimensions of Connected Networks. IEEE Access, 2020, 8, 172329-172342.	4.2	30
8	Zagreb Connection Indices of Molecular Graphs Based on Operations. Complexity, 2020, 2020, 1-15.	1.6	29
9	Modified Zagreb connection indices of the T-sum graphs. Main Group Metal Chemistry, 2020, 43, 43-55.	1.6	29
10	Fractional Metric Dimension of Generalized Jahangir Graph. Mathematics, 2019, 7, 100.	2.2	26
11	Zagreb Connection Indices of Subdivision and Semi-Total Point Operations on Graphs. Journal of Chemistry, 2019, 2019, 1-14.	1.9	26
12	Zagreb Connection Numbers for Cellular Neural Networks. Discrete Dynamics in Nature and Society, 2020, 2020, 1-8.	0.9	24
13	On the Topological Properties of the Certain Neural Networks. Journal of Artificial Intelligence and Soft Computing Research, 2018, 8, 257-268.	4.3	22
14	Local Fractional Metric Dimensions of Rotationally Symmetric and Planar Networks. IEEE Access, 2020, 8, 82404-82420.	4.2	22
15	Computing topological indices of probabilistic neural network. Neural Computing and Applications, 2018, 30, 3869-3876.	5.6	18
16	Topological properties of metal-organic frameworks. Main Group Metal Chemistry, 2020, 43, 67-76.	1.6	18
17	On the Certain Topological Indices of Titania Nanotube TiO_2 [m , n]. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 647-654.	1.5	17
18	Exact Formula and Improved Bounds for General Sum-Connectivity Index of Graph-Operations. IEEE Access, 2019, 7, 167290-167299.	4.2	17

#	ARTICLE	IF	CITATIONS
19	Computing Analysis for First Zagreb Connection Index and Coindex of Resultant Graphs. Mathematical Problems in Engineering, 2021, 2021, 1-19.	1.1	16
20	Improved Lower Bound of LFMD with Applications of Prism-Related Networks. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	15
21	Connection-Based Multiplicative Zagreb Indices of Dendrimer Nanostars. Journal of Mathematics, 2021, 2021, 1-14.	1.0	15
22	On bounds for topological descriptors of $\tilde{I}t$ -sum graphs. Journal of Taibah University for Science, 2020, 14, 1288-1301.	2.5	14
23	$\$M\$$ -POLYNOMIALS AND TOPOLOGICAL INDICES OF SILICATE AND OXIDE NETWORKS. International Journal of Pure and Applied Mathematics, 2017, 115, .	0.2	13
24	M-polynomial-based topological indices of metal-organic networks. Main Group Metal Chemistry, 2021, 44, 129-140.	1.6	12
25	First General Zagreb Index of Generalized F-sum Graphs. Discrete Dynamics in Nature and Society, 2020, 2020, 1-16.	0.9	11
26	Topological Properties of Four-Layered Neural Networks. Journal of Artificial Intelligence and Soft Computing Research, 2019, 9, 111-122.	4.3	11
27	On the Studies of Dendrimers via Connection-Based Molecular Descriptors. Mathematical Problems in Engineering, 2022, 2022, 1-13.	1.1	11
28	Computing Connection-Based Topological Indices of Dendrimers. Journal of Chemistry, 2022, 2022, 1-15.	1.9	11
29	Hesitant Fuzzy Graphs and Their Products. Fuzzy Information and Engineering, 2020, 12, 238-252.	1.7	10
30	On super edge-antimagic total labeling of subdivided stars. Discussiones Mathematicae - Graph Theory, 2014, 34, 691.	0.3	9
31	Some Bounds on Bond Incident Degree Indices with Some Parameters. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	9
32	Computing Analysis of Connection-Based Indices and Coindices for Product of Molecular Networks. Symmetry, 2020, 12, 1320.	2.2	8
33	Bounds of Fractional Metric Dimension and Applications with Grid-Related Networks. Mathematics, 2021, 9, 1383.	2.2	8
34	Super (a,d)-edge antimagic total labeling of a subclass of trees. AKCE International Journal of Graphs and Combinatorics, 2017, 14, 158-164.	0.7	7
35	Minimizing graph of the connected graphs whose complements are bicyclic with two cycles. Turkish Journal of Mathematics, 2017, 41, 1433-1445.	0.7	7
36	Computing Analysis of Zagreb Indices for Generalized Sum Graphs under Strong Product. Journal of Chemistry, 2021, 2021, 1-20.	1.9	7

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37	Fractional metric dimension of metal-organic frameworks. Main Group Metal Chemistry, 2021, 44, 92-102.	1.6	7
38	Bounds on General Randić Index for F-Sum Graphs. Journal of Mathematics, 2020, 2020, 1-17.	1.0	6
39	Forgotten Index of Generalized Operations on Graphs. Journal of Chemistry, 2021, 2021, 1-14.	1.9	6
40	Characterization of the Minimizing Graph of the Connected Graphs Whose Complements Are Bicyclic. Mathematics, 2017, 5, 18.	2.2	5
41	On (a, d) -EAT labeling of subdivision of $K_1 \times r$. Journal of Information and Optimization Sciences, 2018, 39, 643-650.	0.3	5
42	Computing Edge-Weight Bounds of Antimagic Labeling on a Class of Trees. IEEE Access, 2019, 7, 93375-93386.	4.2	5
43	On cordial related labeling of isomorphic copies of paths and subdivision of star. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 1381-1390.	0.8	5
44	Computing Bounds of Fractional Metric Dimension of Metal Organic Graphs. Journal of Chemistry, 2021, 2021, 1-12.	1.9	5
45	Computing Bounds for Second Zagreb Coindex of Sum Graphs. Mathematical Problems in Engineering, 2021, 2021, 1-19.	1.1	5
46	Computing Antimagic Labeling of Lattically Designed Symmetric Networks. IEEE Access, 2022, 10, 32394-32405.	4.2	5
47	Extremal Values of Variable Sum Exdeg Index for Conjugated Bicyclic Graphs. Journal of Chemistry, 2021, 2021, 1-11.	1.9	5
48	On topological indices of zinc-based metal organic frameworks. Main Group Metal Chemistry, 2022, 45, 74-85.	1.6	5
49	Parikh word representability of bipartite permutation graphs. Discrete Applied Mathematics, 2020, 282, 208-221.	0.9	4
50	Bounds on F-index of tricyclic graphs with fixed pendant vertices. Open Mathematics, 2020, 18, 150-161.	1.0	4
51	Computing FGZ Index of Sum Graphs under Strong Product. Journal of Mathematics, 2021, 2021, 1-16.	1.0	4
52	Computing Exact Values for Gutman Indices of Sum Graphs under Cartesian Product. Mathematical Problems in Engineering, 2021, 2021, 1-20.	1.1	4
53	Characterization of (Molecular) Graphs with Fractional Metric Dimension as Unity. Journal of Chemistry, 2021, 2021, 1-12.	1.9	4
54	Molecular Descriptor Analysis of Certain Isomeric Natural Polymers. Journal of Chemistry, 2021, 2021, 1-26.	1.9	4

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55	Graphs with two main and two plain eigenvalues. <i>Applicable Analysis and Discrete Mathematics</i> , 2017, 11, 244-257.	0.7	4
56	Computing LF-Metric Dimension of Generalized Gear Networks. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-8.	1.1	4
57	Fractional Metric Dimension of Generalized Sunlet Networks. <i>Journal of Mathematics</i> , 2021, 2021, 1-7.	1.0	4
58	Studies of Connected Networks via Fractional Metric Dimension. <i>Journal of Mathematics</i> , 2022, 2022, 1-7.	1.0	4
59	On the second minimum algebraic connectivity of the graphs whose complements are trees. <i>AKCE International Journal of Graphs and Combinatorics</i> , 2017, 14, 233-241.	0.7	3
60	Valency-based molecular descriptors of Bakelite network $BN_{mn}B_{ext} N_{\{m\}^{\{n\}}}$. <i>Open Chemistry</i> , 2019, 17, 663-670.	1.9	3
61	Bounds of Degree-Based Molecular Descriptors for Generalized F-sum Graphs. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-17.	0.9	3
62	On the Fractional Metric Dimension of Convex Polytopes. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	1.1	3
63	Forgotten Coindex for the Derived Sum Graphs under Cartesian Product. <i>Journal of Chemistry</i> , 2021, 2021, 1-13.	1.9	3
64	Sharp Bounds of First Zagreb Coindex for $\langle \text{math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> \langle \text{mi>F</mi> </math>-Sum Graphs. Journal of Mathematics, 2021, 2021, 1-19.$	1.0	3
65	Comparing Zinc Oxide- and Zinc Silicate-Related Metal-Organic Networks via Connection-Based Zagreb Indices. <i>Journal of Chemistry</i> , 2021, 2021, 1-16.	1.9	3
66	On Super Edge-Antimagic Total Labeling of Generalized Extended W-Trees. <i>International Journal of Mathematics and Soft Computing</i> , 2014, 4, 17.	0.1	3
67	Computing Gutman Connection Index of Thorn Graphs. <i>Journal of Mathematics</i> , 2021, 2021, 1-13.	1.0	3
68	Boundedness of Convex Polytopes Networks via Local Fractional Metric Dimension. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	1.1	3
69	Computing Connection-Based Topological Indices of Sudoku Graphs. <i>Journal of Mathematics</i> , 2022, 2022, 1-19.	1.0	3
70	Super (a,d)-EAT labeling of subdivided stars. <i>AKCE International Journal of Graphs and Combinatorics</i> , 2015, 12, 14-18.	0.7	2
71	M-polynomial based topological properties of Sudoku graphs. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2021, 24, 155-168.	0.8	2
72	Extremal unicyclic graphs with respect to the Sanskruti index. <i>Asian-European Journal of Mathematics</i> , 2021, 14, 2050147.	0.5	2

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73	Comparative Study of Certain Synthetic Polymers via Bond-Additive Invariants. IEEE Access, 2021, 9, 15388-15403.	4.2	2
74	On the Upper Bounds of Fractional Metric Dimension of Symmetric Networks. Journal of Mathematics, 2021, 2021, 1-20.	1.0	2
75	On super edge-antimagicness of subdivided stars. Discussiones Mathematicae - Graph Theory, 2015, 35, 663.	0.3	2
76	Editorial: Topological investigations of chemical networks. Main Group Metal Chemistry, 2021, 44, 267-269.	1.6	2
77	Comparative Analysis of Subdivided Hex-Derived Networks Using Structural Descriptors. Journal of Chemistry, 2022, 2022, 1-18.	1.9	2
78	On the Extremal Trees for Some Bond Incident Degree Indices with a Fixed Number of Segments. Journal of Chemistry, 2022, 2022, 1-29.	1.9	2
79	Exact Formulae for Degree Distance Indices of Sum Graphs. Journal of Mathematics, 2022, 2022, 1-16.	1.0	2
80	On the second minimizing graph in the set of complements of trees. AKCE International Journal of Graphs and Combinatorics, 2019, 16, 258-264.	0.7	1
81	Computing Edge Weights of Magic Labeling on Rooted Products of Graphs. Mathematical Problems in Engineering, 2020, 2020, 1-16.	1.1	1
82	Local Fractional Metric Dimensions of Generalized Petersen Networks. IEEE Access, 2021, 9, 74110-74126.	4.2	1
83	Exact Values of Zagreb Indices for Generalized T-Sum Networks with Lexicographic Product. Journal of Mathematics, 2021, 2021, 1-17.	1.0	1
84	On minimum algebraic connectivity of graphs whose complements are bicyclic. Open Mathematics, 2019, 17, 1490-1502.	1.0	1
85	On Leap Gourava Indices of Some Wheel Related Graphs. Scientific Inquiry and Review, 2018, 02, 14-24.	0.2	1
86	Least eigenvalue of the connected graphs whose complements are cacti. Open Mathematics, 2019, 17, 1319-1331.	1.0	1
87	On the Exact Values of HZ-Index for the Graphs under Operations. Journal of Mathematics, 2021, 2021, 1-17.	1.0	1
88	Topological Indices of Pent-Heptagonal Nanosheets via M-Polynomials. Journal of Mathematics, 2021, 2021, 1-13.	1.0	1
89	On Vertex Degree-Based Topological Indices for Fixed Branching Vertices of Trees. Journal of Chemistry, 2022, 2022, 1-8.	1.9	1
90	Sum-Connectivity Coindex of Graphs under Operations. Journal of Chemistry, 2022, 2022, 1-14.	1.9	1

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91	Studies of Metal Organic Networks via M-Polynomial-Based Topological Indices. Journal of Mathematics, 2022, 2022, 1-16.	1.0	1
92	Computing Connection Distance Index of Derived Graphs. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	1
93	M-polynomial method for topological indices of 2D-lattice of three-layered single-walled titania nanotubes. Journal of Information and Optimization Sciences, 2020, 41, 743-753.	0.3	0
94	RSEMT labeling of union of paths and subdivided star. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 1363-1375.	0.8	0
95	Minimum algebraic connectivity of graphs whose complements are bicyclic with two cycles. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 879-898.	0.8	0
96	Further results regarding super edge-magic graphs and solution to an open problem. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 1335-1348.	0.8	0
97	On $(\langle i \rangle a \langle i \rangle, \langle i \rangle d \langle i \rangle)$ -SEAT labeling of forests of subdivided stars. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 71-80.	0.8	0
98	Computing Edge Weights of Symmetric Classes of Networks. Mathematical Problems in Engineering, 2021, 2021, 1-22.	1.1	0
99	Computing Analysis of Degree and Connection Based Irregular Indices of Polycyclic Aromatic Hydrocarbons. Current Organic Synthesis, 2021, 18, 742-749.	1.3	0
100	Complexity of Some Generalized Operations on Networks. Complexity, 2021, 2021, 1-29.	1.6	0
101	Sum divisor cordial labeling of disjoint union of paths and subdivided star. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 2467-2478.	0.8	0
102	Enumeration of the Edge Weights of Symmetrically Designed Graphs. Journal of Mathematics, 2021, 2021, 1-15.	1.0	0
103	Super magic deficiency of graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 1729-1743.	0.8	0
104	On Leap Reduced Reciprocal Randic and Leap Reduced Second Zagreb Indices of Some Graphs. Scientific Inquiry and Review, 2019, 3, 27-35.	0.2	0
105	Comparative Study of Generalized Sum Graphs via Degree-Based Topological Indices. Journal of Mathematics, 2022, 2022, 1-15.	1.0	0
106	Lower and Upper Bounds of Fractional Metric Dimension of Connected Networks. Fractal and Fractional, 2021, 5, 276.	3.3	0
107	Computing Bounds for General Randic Coindex of Sum Graphs. Journal of Mathematics, 2021, 2021, 1-17.	1.0	0
108	First General Zagreb Co-Index of Graphs under Operations. Journal of Mathematics, 2022, 2022, 1-11.	1.0	0

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109	Computing Fault-Tolerant Metric Dimension of Connected Graphs. Journal of Mathematics, 2022, 2022, 1-6.	1.0	0