

Jia-Bao Liu

List of Publications by Year in descending order

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351
papers

5,472
citations

109321

35
h-index

155660

55
g-index

364
all docs

364
docs citations

364
times ranked

2597
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobile Crowd Sensing for Traffic Prediction in Internet of Vehicles. <i>Sensors</i> , 2016, 16, 88.	3.8	200
2	Stability and synchronization of memristor-based fractional-order delayed neural networks. <i>Neural Networks</i> , 2015, 71, 37-44.	5.9	166
3	Zagreb Indices and Multiplicative Zagreb Indices of Eulerian Graphs. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2019, 42, 67-78.	0.9	125
4	Minimizing Kirchhoff index among graphs with a given vertex bipartiteness. <i>Applied Mathematics and Computation</i> , 2016, 291, 84-88.	2.2	108
5	Valency-Based Topological Descriptors and Structural Property of the Generalized Sierpiński Networks. <i>Journal of Statistical Physics</i> , 2019, 177, 1131-1147.	1.2	108
6	Computing Zagreb Indices and Zagreb Polynomials for Symmetrical Nanotubes. <i>Symmetry</i> , 2018, 10, 244.	2.2	106
7	Remaining useful life estimation using an inverse Gaussian degradation model. <i>Neurocomputing</i> , 2016, 185, 64-72.	5.9	103
8	A Review of Artificial Intelligence (AI) in Education from 2010 to 2020. <i>Complexity</i> , 2021, 2021, 1-18.	1.6	102
9	On the Maximum ABC Index of Graphs With Prescribed Size and Without Pendent Vertices. <i>IEEE Access</i> , 2018, 6, 27604-27616.	4.2	101
10	On the maximum ABC index of graphs without pendent vertices. <i>Applied Mathematics and Computation</i> , 2017, 315, 298-312.	2.2	92
11	LncRNA DANCR Promotes Lung Cancer by Sequestering miR-216a. <i>Cancer Control</i> , 2018, 25, 107327481876984.	1.8	92
12	THE HOSOYA INDEX OF GRAPHS FORMED BY A FRACTAL GRAPH. <i>Fractals</i> , 2019, 27, 1950135.	3.7	90
13	On the generalized adjacency, Laplacian and signless Laplacian spectra of the weighted edge corona networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123073.	2.6	88
14	Edge-Version Atom-Bond Connectivity and Geometric Arithmetic Indices of Generalized Bridge Molecular Graphs. <i>Symmetry</i> , 2018, 10, 751.	2.2	77
15	Asymptotic Laplacian-energy-like invariant of lattices. <i>Applied Mathematics and Computation</i> , 2015, 253, 205-214.	2.2	75
16	On the number of spanning trees and normalized Laplacian of linear octagonal quadrilateral networks. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25971.	2.0	73
17	The Cartesian Product and Join Graphs on Edge-Version Atom-Bond Connectivity and Geometric Arithmetic Indices. <i>Molecules</i> , 2018, 23, 1731.	3.8	70
18	Complete characterization of bicyclic graphs with minimal Kirchhoff index. <i>Discrete Applied Mathematics</i> , 2016, 200, 95-107.	0.9	68

#	ARTICLE	IF	CITATIONS
19	Topological Indices and Their Applications to Circumscribed Donut Benzenoid Systems, Kekulenes and Drugs. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 280-303.	2.6	67
20	Mostar indices of carbon nanostructures and circumscribed donut benzenoid systems. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e26043.	2.0	65
21	NETWORK COHERENCE ANALYSIS ON A FAMILY OF NESTED WEIGHTED n-POLYGON NETWORKS. <i>Fractals</i> , 2021, 29, .	3.7	64
22	Distance based and bond additive topological indices of certain repurposed antiviral drug compounds tested for treating COVID-19. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26617.	2.0	50
23	Double Roman domination in trees. <i>Information Processing Letters</i> , 2018, 134, 31-34.	0.6	48
24	Valency-based topological descriptors of chemical networks and their applications. <i>Applied Mathematical Modelling</i> , 2018, 60, 164-178.	4.2	48
25	Computing First General Zagreb Index of Operations on Graphs. <i>IEEE Access</i> , 2019, 7, 47494-47502.	4.2	48
26	The Kirchhoff index and spanning trees of Möbius/cylinder octagonal chain. <i>Discrete Applied Mathematics</i> , 2022, 307, 22-31.	0.9	46
27	Analytical expressions for topological properties of polycyclic benzenoid networks. <i>Journal of Chemometrics</i> , 2016, 30, 682-697.	1.3	45
28	Correlation between the Estrada index and χ^e electronic energies for benzenoid hydrocarbons with applications to boron nanotubes. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e26016.	2.0	45
29	Further results on computation of topological indices of certain networks. <i>IET Control Theory and Applications</i> , 2017, 11, 2065-2071.	2.1	43
30	Quality testing of distance-based molecular descriptors for benzenoid hydrocarbons. <i>Journal of Molecular Structure</i> , 2020, 1222, 128927.	3.6	43
31	Applications of Laplacian spectra for n-prism networks. <i>Neurocomputing</i> , 2016, 198, 69-73.	5.9	42
32	Palladium nanosheet-knotted injectable hydrogels formed via palladium-sulfur bonding for synergistic chemo-photothermal therapy. <i>Nanoscale</i> , 2020, 12, 210-219.	5.6	42
33	The normalized Laplacian, degree-Kirchhoff index and the spanning tree numbers of generalized phenylenes. <i>Discrete Applied Mathematics</i> , 2019, 254, 256-267.	0.9	41
34	Copper Oxide Nanoparticles Induce Enhanced Radiosensitizing Effect via Destructive Autophagy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1569-1579.	5.2	40
35	Valency-Based Molecular Descriptors for Measuring the χ^e -Electronic Energy of Lower Polycyclic Aromatic Hydrocarbons. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1113-1129.	2.6	40
36	Computing Metric Dimension of Certain Families of Toeplitz Graphs. <i>IEEE Access</i> , 2019, 7, 126734-126741.	4.2	39

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37	An Efficient Computational Technique for Degree and Distance Based Topological Descriptors With Applications. IEEE Access, 2019, 7, 32276-32296.	4.2	36
38	On degree resistance distance of cacti. Discrete Applied Mathematics, 2016, 203, 217-225.	0.9	35
39	LncRNA PCAT ¹ promotes tumour growth and chemoresistance of oesophageal cancer to cisplatin. Cell Biochemistry and Function, 2018, 36, 27-33.	2.9	34
40	On graphs with the maximum edge metric dimension. Discrete Applied Mathematics, 2019, 257, 317-324.	0.9	34
41	Multiplicative Topological Indices of Molecular Structure in Anticancer Drugs. Polycyclic Aromatic Compounds, 2022, 42, 475-488.	2.6	34
42	Edge Version of Metric Dimension and Doubly Resolving Sets of the Necklace Graph. Mathematics, 2018, 6, 243.	2.2	33
43	Computing Zagreb Indices of the Subdivision-Related Generalized Operations of Graphs. IEEE Access, 2019, 7, 105479-105488.	4.2	33
44	Resolvability and fault-tolerant resolvability structures of convex polytopes. Theoretical Computer Science, 2019, 796, 114-128.	0.9	33
45	Preventive Effect of Halofuginone on Concanavalin A-Induced Liver Fibrosis. PLoS ONE, 2013, 8, e82232.	2.5	32
46	Relativistic distance-based topological descriptors of Linde type A zeolites and their doped structures with very heavy elements. Molecular Physics, 2021, 119, e1798529.	1.7	31
47	The resistance distances of electrical networks based on Laplacian generalized inverse. Neurocomputing, 2015, 167, 306-313.	5.9	30
48	Sharp Bounds of Local Fractional Metric Dimensions of Connected Networks. IEEE Access, 2020, 8, 172329-172342.	4.2	30
49	On certain distance and degree based topological indices of Zeolite LTA frameworks. Materials Research Express, 2020, 7, 055006.	1.6	30
50	On rainbow domination numbers of graphs. Information Sciences, 2014, 254, 225-234.	6.9	29
51	A Wiener process model with truncated normal distribution for reliability analysis. Applied Mathematical Modelling, 2017, 50, 333-346.	4.2	29
52	Edge Distance-based Topological Indices of Strength-weighted Graphs and their Application to Coronoid Systems, Carbon Nanocones and SiO ₂ Nanostructures. Molecular Informatics, 2019, 38, e1900039.	2.5	29
53	On Mixed Metric Dimension of Rotationally Symmetric Graphs. IEEE Access, 2020, 8, 11560-11569.	4.2	29
54	Asymptotic incidence energy of lattices. Physica A: Statistical Mechanics and Its Applications, 2015, 422, 193-202.	2.6	28

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55	Acupuncture therapy for the treatment of stable angina pectoris: An updated meta-analysis of randomized controlled trials. <i>Complementary Therapies in Clinical Practice</i> , 2019, 34, 247-253.	1.7	28
56	Sharp upper bounds for multiplicative Zagreb indices of bipartite graphs with given diameter. <i>Discrete Applied Mathematics</i> , 2017, 227, 156-165.	0.9	27
57	Distance-based topological indices of nanosheets, nanotubes and nanotori of SiO_2 . <i>Journal of Mathematical Chemistry</i> , 2019, 57, 343-369.	1.5	27
58	On Some New Weighted Inequalities for Differentiable Exponentially Convex and Exponentially Quasi-Convex Functions with Applications. <i>Mathematics</i> , 2019, 7, 727.	2.2	26
59	Fractional Metric Dimension of Generalized Jahangir Graph. <i>Mathematics</i> , 2019, 7, 100.	2.2	26
60	On the Total Double Roman Domination. <i>IEEE Access</i> , 2019, 7, 52035-52041.	4.2	26
61	Quantitative structural descriptors of sodalite materials. <i>Journal of Molecular Structure</i> , 2021, 1223, 128766.	3.6	26
62	Molecular topological characterization of three classes of polycyclic aromatic hydrocarbons. <i>Journal of Molecular Structure</i> , 2021, 1229, 129501.	3.6	26
63	Linear Wirelength of Folded Hypercubes. <i>Mathematics in Computer Science</i> , 2011, 5, 101-111.	0.4	24
64	Zagreb Connection Numbers for Cellular Neural Networks. <i>Discrete Dynamics in Nature and Society</i> , 2020, 2020, 1-8.	0.9	24
65	Computing the Laplacian Spectrum of Linear Octagonal-Quadrilateral Networks and Its Applications. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 659-670.	2.6	24
66	Evaluating Investors' Recognition Abilities for Risk and Profit in Online Loan Markets Using Nonlinear Models and Financial Big Data. <i>Journal of Function Spaces</i> , 2021, 2021, 1-15.	0.9	24
67	Bounds on the Partition Dimension of Convex Polytopes. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, 547-553.	1.1	24
68	Jensen-Mercer variant of Hermite-Hadamard type inequalities via Atangana-Baleanu fractional operator. <i>AIMS Mathematics</i> , 2022, 7, 2123-2141.	1.6	24
69	Vertex cut method for degree and distance-based topological indices and its applications to silicate networks. <i>Journal of Mathematical Chemistry</i> , 2016, 54, 1728-1747.	1.5	23
70	The Metric Dimension of Some Generalized Petersen Graphs. <i>Discrete Dynamics in Nature and Society</i> , 2018, 2018, 1-10.	0.9	23
71	On the Topological Properties of the Certain Neural Networks. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , 2018, 8, 257-268.	4.3	22
72	M-Polynomials and Degree-Based Topological Indices of $\text{VC5C7}[p,q]$ and $\text{HC5C7}[p,q]$ Nanotubes. <i>IEEE Access</i> , 2019, 7, 41125-41132.	4.2	22

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73	Resistance distance-based graph invariants and the number of spanning trees of linear crossed octagonal graphs. <i>Journal of Applied Mathematics and Computing</i> , 2020, 63, 1-27.	2.5	22
74	Local Fractional Metric Dimensions of Rotationally Symmetric and Planar Networks. <i>IEEE Access</i> , 2020, 8, 82404-82420.	4.2	22
75	Toll-like receptor 4 activates the NLRP3 inflammasome pathway and periodontal inflammaging by inhibiting Bmi-1 expression. <i>International Journal of Molecular Medicine</i> , 2020, 47, 137-150.	4.0	22
76	Eradication of Ebola Based on Dynamic Programming. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-9.	1.3	21
77	Global Dynamics of an SIQR Model with Vaccination and Elimination Hybrid Strategies. <i>Mathematics</i> , 2018, 6, 328.	2.2	21
78	Computing Degree Based Topological Properties of Third Type of Hex-Derived Networks. <i>Mathematics</i> , 2019, 7, 368.	2.2	21
79	On Distance-Based Topological Descriptors of Chemical Interconnection Networks. <i>Journal of Mathematics</i> , 2021, 2021, 1-10.	1.0	21
80	Kirchhoff index and degree Kirchhoff index of complete multipartite graphs. <i>Discrete Applied Mathematics</i> , 2017, 232, 41-49.	0.9	20
81	On Metric Dimension in Some Hex Derived Networks. <i>Sensors</i> , 2019, 19, 94.	3.8	20
82	How Does Inequality Affect the Residents' Subjective Well-Being: Inequality of Opportunity and Inequality of Effort. <i>Frontiers in Psychology</i> , 2022, 13, 843854.	2.1	20
83	On extremal multiplicative Zagreb indices of trees with given number of vertices of maximum degree. <i>Discrete Applied Mathematics</i> , 2017, 227, 166-173.	0.9	19
84	Discharging Approach for Double Roman Domination in Graphs. <i>IEEE Access</i> , 2018, 6, 63345-63351.	4.2	19
85	On Gr ^{1/4} ss inequalities within generalized K-fractional integrals. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	19
86	The {1}-inverse of the Laplacian of subdivision-vertex and subdivision-edge coronae with applications. <i>Linear and Multilinear Algebra</i> , 2017, 65, 178-191.	1.0	18
87	Synthesis, photocatalytic, optical, electronic and biological properties of the CoS ₂ @CuS on cellulose nanocomposites as novel nano catalyst by a sonochemical technology. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18531-18539.	2.2	18
88	Resistance distances in corona and neighborhood corona networks based on Laplacian generalized inverse approach. <i>Journal of Algebra and Its Applications</i> , 2019, 18, 1950053.	0.4	18
89	The Bounds of Vertex Padmakar-Ivan Index on k-Trees. <i>Mathematics</i> , 2019, 7, 324.	2.2	18
90	Performance evaluation of emergency logistics capability for public health emergencies;perspective of COVID-19. <i>International Journal of Logistics Research and Applications</i> , 2022, 25, 1509-1522.	8.8	18

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91	On the maximum ABC index of bipartite graphs without pendent vertices. <i>Open Chemistry</i> , 2020, 18, 39-49.	1.9	18
92	A note on some physical and chemical indices of clique-inserted lattices™. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P06006.	2.3	17
93	A unified approach to the asymptotic topological indices of various lattices. <i>Applied Mathematics and Computation</i> , 2015, 270, 62-73.	2.2	17
94	On the Certain Topological Indices of Titania Nanotube TiO_2 [m, n]. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 647-654.	1.5	17
95	Hyper-Wiener and Wiener polarity indices of silicate and oxide frameworks. <i>Journal of Mathematical Chemistry</i> , 2018, 56, 1493-1510.	1.5	17
96	On extremal multiplicative Zagreb indices of trees with given domination number. <i>Applied Mathematics and Computation</i> , 2018, 332, 338-350.	2.2	17
97	Reformulated Zagreb Indices of Some Derived Graphs. <i>Mathematics</i> , 2019, 7, 366.	2.2	17
98	Ultrasound-assisted photodegradation of Alprazolam in aqueous media using a novel high performance nanocomposite hybridization g-C ₃ N ₄ /MWCNT/ZnO. <i>Catalysis Today</i> , 2019, 335, 582-590.	4.4	17
99	On 2-rainbow domination of generalized Petersen graphs. <i>Discrete Applied Mathematics</i> , 2019, 257, 370-384.	0.9	17
100	On Topological Indices of mth Chain Hex-Derived Network of Third Type. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	17
101	An adaptive membrane algorithm for solving combinatorial optimization problems. <i>Acta Mathematica Scientia</i> , 2014, 34, 1377-1394.	1.0	16
102	The Laplacian polynomial and Kirchhoff index of graphs based on R-graphs. <i>Neurocomputing</i> , 2016, 177, 441-446.	5.9	16
103	Sharp Bounds of the Hyper-Zagreb Index on Acyclic, Unicyclic, and Bicyclic Graphs. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-5.	0.9	16
104	Topological Indices of Certain Transformed Chemical Structures. <i>Journal of Chemistry</i> , 2020, 2020, 1-7.	1.9	16
105	Computing Analysis for First Zagreb Connection Index and Coindex of Resultant Graphs. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-19.	1.1	16
106	Research on Evolutionary Mechanism of Agile Supply Chain Network via Complex Network Theory. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-9.	1.1	15
107	Topological Properties of Crystallographic Structure of Molecules. <i>Symmetry</i> , 2018, 10, 265.	2.2	15
108	Ultra-fast charging&discharging planar on-chip micro-supercapacitors based on reduced graphene oxide films by modified liquid&air interface self-assembly. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1213-1220.	2.9	15

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109	Metric Dimension, Minimal Doubly Resolving Sets, and the Strong Metric Dimension for Jellyfish Graph and Cocktail Party Graph. <i>Complexity</i> , 2020, 2020, 1-7.	1.6	15
110	On the Laplacians and Normalized Laplacians for Graph Transformation with Respect to the Dicyclobutadieno Derivative of [n]Phenylenes. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1413-1434.	2.6	15
111	M-Polynomial and Degree-Based Molecular Descriptors of Certain Classes of Benzenoid Systems. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 3450-3477.	2.6	15
112	On Certain Topological Indices of Three-Layered Single-Walled Titania Nanosheets. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, 483-495.	1.1	15
113	Simulation and Prediction of Fungal Community Evolution Based on RBF Neural Network. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-13.	1.3	15
114	Endothelial PAS domain-containing protein 1 confers TKI-resistance by mediating EGFR and MET pathways in non-small cell lung cancer cells. <i>Cancer Biology and Therapy</i> , 2015, 16, 549-557.	3.4	14
115	Semitotal Domination in Claw-Free Cubic Graphs. <i>Graphs and Combinatorics</i> , 2017, 33, 1119-1130.	0.4	14
116	Topological Aspects of Boron Nanotubes. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-11.	1.8	14
117	Degradation Data Analysis Using a Wiener Degradation Model With Three-Source Uncertainties. <i>IEEE Access</i> , 2019, 7, 37896-37907.	4.2	14
118	On Partition Dimension of Some Cycle-Related Graphs. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-8.	1.1	14
119	Topological characterization of hexagonal and rectangular tessellations of kekulenes as traps for toxic heavy metal ions. <i>Theoretical Chemistry Accounts</i> , 2021, 140, 1.	1.4	14
120	Total-Szeged Index of C ₄ -Nanotubes, C ₄ -Nanotori and Dendrimer Nanostars. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 405-411.	0.4	13
121	Number of Spanning Trees in the Sequence of Some Graphs. <i>Complexity</i> , 2019, 2019, 1-22.	1.6	13
122	Topological analysis of ϵ graph of Remdesivir used in the prevention of corona virus. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26778.	2.0	13
123	Linear layout of locally twisted cubes. <i>International Journal of Computer Mathematics</i> , 2017, 94, 56-65.	1.8	12
124	Partition dimension of certain classes of series parallel graphs. <i>Theoretical Computer Science</i> , 2019, 778, 47-60.	0.9	12
125	Topological Characterization of the Full k -Subdivision of a Family of Partial Cubes and Their Applications to I_{\pm} -Types of Novel Graphyne and Graphdiyne Materials. <i>Polycyclic Aromatic Compounds</i> , 2019, , 1-23.	2.6	12
126	Toxicokinetics of Brominated Azo Dyes in the Early Life Stages of Zebrafish (<i>Danio rerio</i>) Is Prone to Aromatic Substituent Changes. <i>Environmental Science & Technology</i> , 2020, 54, 4421-4431.	10.0	12

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127	Connectivity and Wiener Index of Fuzzy Incidence Graphs. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-7.	1.1	12
128	On Computation of Entropy of Hex-Derived Network. <i>Complexity</i> , 2021, 2021, 1-18.	1.6	12
129	Weak {2}-domination number of Cartesian products of cycles. <i>Journal of Combinatorial Optimization</i> , 2018, 35, 75-85.	1.3	11
130	Computational Complexity of Outer-Independent Total and Total Roman Domination Numbers in Trees. <i>IEEE Access</i> , 2018, 6, 35544-35550.	4.2	11
131	The Double Roman Domination Numbers of Generalized Petersen Graphs $P(n, 2)$. <i>Mathematics</i> , 2018, 6, 206.	2.2	11
132	Distance Degree Index of Some Derived Graphs. <i>Mathematics</i> , 2019, 7, 283.	2.2	11
133	The Vertex-Edge Resolvability of Some Wheel-Related Graphs. <i>Journal of Mathematics</i> , 2021, 2021, 1-16.	1.0	11
134	Topological Properties of Four-Layered Neural Networks. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , 2019, 9, 111-122.	4.3	11
135	Embedding hypercubes and folded hypercubes onto Cartesian product of certain trees. <i>Discrete Optimization</i> , 2015, 17, 1-13.	0.9	10
136	On secure domination in trees. <i>Quaestiones Mathematicae</i> , 2017, 40, 1-12.	0.6	10
137	On certain topological indices of octahedral and icosahedral networks. <i>IET Control Theory and Applications</i> , 2018, 12, 215-220.	2.1	10
138	A linear time algorithm for embedding locally twisted cube into grid network to optimize the layout. <i>Discrete Applied Mathematics</i> , 2020, 286, 10-18.	0.9	10
139	Wirelength of embedding complete multipartite graphs into certain graphs. <i>Discrete Applied Mathematics</i> , 2020, 280, 221-236.	0.9	10
140	Fault-Tolerant Metric Dimension of Generalized Wheels and Convex Polytopes. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-8.	1.1	10
141	Statistics and Calculation of Entropy of Dominating David Derived Networks. <i>Complexity</i> , 2021, 2021, 1-15.	1.6	10
142	Foreign Direct Investment, Regional Innovation, and Green Economic Efficiency: An Empirical Test Based on the Investigation of Intermediary Effect and Threshold Effect. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-14.	1.7	10
143	M-polynomials and topological indices of linear chains of benzene, naphthalene and anthracene. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 2384-2398.	1.9	10
144	Molecular structural characterization of superphenalene and supertriphenylene. <i>International Journal of Quantum Chemistry</i> , 2022, 122, e26818.	2.0	10

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145	A new result on lifetime estimation based on skew-Wiener degradation model. <i>Statistics and Probability Letters</i> , 2018, 138, 157-164.	0.7	9
146	Topological Indices of mth Chain Silicate Graphs. <i>Mathematics</i> , 2019, 7, 42.	2.2	9
147	Outer-Independent Italian Domination in Graphs. <i>IEEE Access</i> , 2019, 7, 22756-22762.	4.2	9
148	Mesoscopic approach for simulating nanofluid flow and heat transfer in a finned multi-pipe heat exchanger. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 2822-2839.	2.8	9
149	Distance Measures for Multiple-Attributes Decision-Making Based on Connection Numbers of Set Pair Analysis With Dual Hesitant Fuzzy Sets. <i>IEEE Access</i> , 2020, 8, 9172-9184.	4.2	9
150	Topological Properties of Concealed Non-Kekulean Benzenoid Hydrocarbon. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1776-1787.	2.6	9
151	Integer linear programming model and satisfiability test reduction for distance constrained labellings of graphs: the case of L (3,2,1)labelling for products of paths and cycles. <i>IET Communications</i> , 2013, 7, 715-720.	2.2	8
152	Computing three topological indices for Titania nanotubes. <i>AKCE International Journal of Graphs and Combinatorics</i> , 2016, 13, 255-260.	0.7	8
153	On the signed Roman domination: Complexity and thin torus graphs. <i>Discrete Applied Mathematics</i> , 2017, 233, 175-186.	0.9	8
154	The Complexity of Some Classes of Pyramid Graphs Created from a Gear Graph. <i>Symmetry</i> , 2018, 10, 689.	2.2	8
155	Maximizing and Minimizing Multiplicative Zagreb Indices of Graphs Subject to Given Number of Cut Edges. <i>Mathematics</i> , 2018, 6, 227.	2.2	8
156	On the Normalized Laplacian and the Number of Spanning Trees of Linear Heptagonal Networks. <i>Mathematics</i> , 2019, 7, 314.	2.2	8
157	Robust H ∞ Control For Uncertain Singular Neutral Time-Delay Systems. <i>Mathematics</i> , 2019, 7, 217.	2.2	8
158	Structures of power digraphs over the congruence equation $x^p \equiv y; (\text{ext}\{\text{mod}\}; m)$ and enumerations. <i>AIMS Mathematics</i> , 2021, 6, 4581-4596.	1.6	8
159	Connective Eccentric Index of NANm Nanotube. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 1832-1836.	0.4	8
160	General fifth M-Zagreb indices and fifth M-Zagreb polynomials of carbon graphite. <i>Eurasian Chemical Communications</i> , 2020, 2, 634-640.	0.9	8
161	Computation of bond incident degree (BID) indices of complex structures in drugs. <i>Eurasian Chemical Communications</i> , 2020, 2, 672-679.	0.9	8
162	Topological index analysis of a class of networks analogous to alicyclic hydrocarbons and their derivatives. <i>International Journal of Quantum Chemistry</i> , 2022, 122, e26827.	2.0	8

#	ARTICLE	IF	CITATIONS
163	Laplacian and signless laplacian spectra and energies of multi-step wheels. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 3649-3659.	1.9	8
164	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn mathvariant="normal"} \rangle 2, 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle T_j \text{ ETQq0 0 0 rgBT /Overlogk 10 Tf 50 702 Td (}$ Scientific World Journal, The, 2014, 2014, 1-12.	2.1	10
165	Some Properties on Estrada Index of Folded Hypercubes Networks. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-6.	0.7	7
166	Variants of the Szeged index in certain chemical nanosheets. <i>Canadian Journal of Chemistry</i> , 2016, 94, 608-619.	1.1	7
167	Sharp Bounds for the General Sum-Connectivity Indices of Transformation Graphs. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-7.	0.9	7
168	Techno-economic evaluation of biomass-to-synthesis gas (BtS) based on gasification. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2018, 13, 83-90.	3.4	7
169	Topological indices of the subdivision of a family of partial cubes and computation of $\text{\$hbox \{SiO\}_2}$ related structures. <i>Journal of Mathematical Chemistry</i> , 2019, 57, 1868-1883.	1.5	7
170	Distance and Adjacency Energies of Multi-Level Wheel Networks. <i>Mathematics</i> , 2019, 7, 43.	2.2	7
171	Vertex decomposition method for wirelength problem and its applications to enhanced hypercube networks. <i>IET Computers and Digital Techniques</i> , 2019, 13, 87-92.	1.2	7
172	A Comparative Study of Natural Convection Flow of Fractional Maxwell Fluid with Uniform Heat Flux and Radiation. <i>Complexity</i> , 2021, 2021, 1-16.	1.6	7
173	Some topological properties of uniform subdivision of Sierpiński graphs. <i>Main Group Metal Chemistry</i> , 2021, 44, 218-227.	1.6	7
174	Novel Applications of Graph Theory in Chemistry and Drug Designing. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, 439-440.	1.1	7
175	Multiset and Mixed Metric Dimension for Starphene and Zigzag-Edge Coronoid. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 190-204.	2.6	7
176	$L(3,2,1)$ -labeling of triangular and toroidal grids. <i>Central European Journal of Operations Research</i> , 2015, 23, 659-673.	1.8	6
177	General Randić, Sum-Connectivity, Hyper-Zagreb and Harmonic Indices, and Harmonic Polynomial of Molecular Graphs. <i>Advances in Physical Chemistry</i> , 2016, 2016, 1-6.	2.0	6
178	Fast Approach for Analysis Windows Computation of Multiwindow Discrete Gabor Transform. <i>IEEE Access</i> , 2018, 6, 45681-45689.	4.2	6
179	Bounds on General Randić Index for F-Sum Graphs. <i>Journal of Mathematics</i> , 2020, 2020, 1-17.	1.0	6
180	Degree-Based Indices of Some Complex Networks. <i>Journal of Mathematics</i> , 2021, 2021, 1-16.	1.0	6

#	ARTICLE	IF	CITATIONS
181	Investigation of General Power Sum-Connectivity Index for Some Classes of Extremal Graphs. Complexity, 2021, 2021, 1-8.	1.6	6
182	Topological Co-indices of Hydroxyethyl Starch Conjugated with Hydroxychloroquine Used for COVID-19 Treatment. Polycyclic Aromatic Compounds, 2022, 42, 7130-7142.	2.6	6
183	On m-polar Diophantine fuzzy N-soft set with applications. Combinatorial Chemistry and High Throughput Screening, 2020, 23, .	1.1	6
184	Research on Energy Efficiency Management of Forklift Based on Improved YOLOv5 Algorithm. Journal of Mathematics, 2021, 2021, 1-9.	1.0	6
185	On the Sum of Degree-Based Topological Indices of Rhombus-Type Silicate and Oxide Structures. Journal of Mathematics, 2021, 2021, 1-16.	1.0	6
186	On the Domination Number of Cartesian Product of Two Directed Cycles. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	5
187	Research on Evaluation on Agility of Agile Supply Chain Network Based on Complex Network Theory. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	5
188	Acyclic 3-coloring of generalized Petersen graphs. Journal of Combinatorial Optimization, 2016, 31, 902-911.	1.3	5
189	Structure Properties of Koch Networks Based on Networks Dynamical Systems. Complexity, 2017, 2017, 1-7.	1.6	5
190	A novel approach to speed up ant colony algorithm via applying vertex coloring. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 608-617.	1.0	5
191	On Degree-Based Topological Indices of Symmetric Chemical Structures. Symmetry, 2018, 10, 619.	2.2	5
192	Maximum Resistance-Harary index of cacti. Discrete Applied Mathematics, 2018, 251, 160-170.	0.9	5
193	Outer-independent k-rainbow domination. Journal of Taibah University for Science, 2019, 13, 883-891.	2.5	5
194	Node set optimization problem for complete Josephus cubes. Journal of Combinatorial Optimization, 2019, 38, 1180-1195.	1.3	5
195	Computing Edge-Weight Bounds of Antimagic Labeling on a Class of Trees. IEEE Access, 2019, 7, 93375-93386.	4.2	5
196	Resistance Distance and Kirchhoff Index of Q_n -Double Join Graphs. IEEE Access, 2019, 7, 102313-102320.	4.2	5
197	Molecular Properties of Symmetrical Networks Using Topological Polynomials. Open Chemistry, 2019, 17, 849-864.	1.9	5
198	Fuel gas production from asphaltene and recycled polyethylene. Petroleum Science and Technology, 2020, 38, 428-431.	1.5	5

#	ARTICLE	IF	CITATIONS
199	On Generalized Topological Indices of Silicon-Carbon. <i>Journal of Mathematics</i> , 2020, 2020, 1-21.	1.0	5
200	Graph Indices for Cartesian Product of F-sum of Connected Graphs. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2021, 24, .	1.1	5
201	Double Roman Graphs in $P(3k, k)$. <i>Mathematics</i> , 2021, 9, 336.	2.2	5
202	Eccentric topological properties of a graph associated to a finite dimensional vector space. <i>Main Group Metal Chemistry</i> , 2020, 43, 164-176.	1.6	5
203	Trees with equal total domination and 2-rainbow domination numbers. <i>Filomat</i> , 2018, 32, 599-607.	0.5	5
204	Embedding algorithm of spined cube into grid structure and its wirelength computation. <i>Theoretical Computer Science</i> , 2022, 905, 69-86.	0.9	5
205	An Empirical Study on the Improvement of College Students's™ Employability Based on University Factors. <i>Frontiers in Psychology</i> , 2022, 13, 793492.	2.1	5
206	Set-coloring of Edges and Multigraph Ramsey Numbers. <i>Graphs and Combinatorics</i> , 2009, 25, 863-870.	0.4	4
207	Embedding of hypercubes into sibling trees. <i>Discrete Applied Mathematics</i> , 2014, 169, 9-14.	0.9	4
208	Frequency assignment problem in networks with limited spectrum. <i>Central European Journal of Operations Research</i> , 2017, 25, 699-723.	1.8	4
209	Resistance Distance in H-Join of Graphs G_1, G_2, \dots, G_k . <i>Mathematics</i> , 2018, 6, 283.	2.2	4
210	The Domination Complexity and Related Extremal Values of Large 3D Torus. <i>Complexity</i> , 2018, 2018, 1-8.	1.6	4
211	Analysis of SC5C7 _{p,q} and NPHX _{p,q} Nanotubes via Topological Indices. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-10.	2.7	4
212	Wirelength of Enhanced Hypercube into Windmill and Necklace Graphs. <i>Mathematics</i> , 2019, 7, 383.	2.2	4
213	k -Rainbow Domination Number of $P_{3k} - P_n$. <i>Mathematics</i> , 2019, 7, 203.	2.2	4
214	More Results on the Domination Number of Cartesian Product of Two Directed Cycles. <i>Mathematics</i> , 2019, 7, 210.	2.2	4
215	Some New Inequalities Involving \hat{I}^α -Fractional Integral for Certain Classes of Functions and Their Applications. <i>Journal of Function Spaces</i> , 2020, 2020, 1-14.	0.9	4
216	Inequalities Involving Conformable Approach for Exponentially Convex Functions and Their Applications. <i>Journal of Function Spaces</i> , 2020, 2020, 1-17.	0.9	4

#	ARTICLE	IF	CITATIONS
217	Ordering trees by their ABC spectral radii. International Journal of Quantum Chemistry, 2021, 121, e26519.	2.0	4
218	Relativistic structural characterization of molybdenum and tungsten disulfide materials. International Journal of Quantum Chemistry, 2021, 121, e26492.	2.0	4
219	Computing FGZ Index of Sum Graphs under Strong Product. Journal of Mathematics, 2021, 2021, 1-16.	1.0	4
220	M-polynomial and topological indices of some transformed networks. AIMS Mathematics, 2021, 6, 13887-13906.	1.6	4
221	On Certain Topological Indices of the Line Graph of CNC_k [n] Nanocones. Journal of Computational and Theoretical Nanoscience, 2016, 13, 4318-4322.	0.4	4
222	Zagreb Indices and Zagreb Polynomials of an Infinite Class of Dendrimer Nanostars. Journal of Computational and Theoretical Nanoscience, 2016, 13, 9136-9139.	0.4	4
223	Partition Dimension of Generalized Petersen Graph. Complexity, 2021, 2021, 1-14.	1.6	4
224	Two Classes of Infrasoftware Separation Axioms. Journal of Mathematics, 2021, 2021, 1-10.	1.0	4
225	On Topological Properties of Planar Octahedron Networks. Polycyclic Aromatic Compounds, 2023, 43, 755-771.	2.6	4
226	On counting polynomials of certain classes of polycyclic aromatic hydrocarbons. Polycyclic Aromatic Compounds, 2023, 43, 4768-4786.	2.6	4
227	On the Incidence Energy of Some Toroidal Lattices. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.7	3
228	Conjectures on wirelength of hypercube into cylinder and torus. Theoretical Computer Science, 2015, 595, 168-171.	0.9	3
229	Wirelength of Enhanced Hypercubes into r -Rooted Complete Binary Trees. Electronic Notes in Discrete Mathematics, 2016, 53, 373-382.	0.4	3
230	Stability results for the linear degenerate fractional differential system. Advances in Difference Equations, 2016, 2016, .	3.5	3
231	A note on uniquely 3-colourable planar graphs. International Journal of Computer Mathematics, 2017, 94, 1028-1035.	1.8	3
232	Set-Valued Haezendonck-Govaerts Risk Measure and Its Properties. Discrete Dynamics in Nature and Society, 2017, 2017, 1-7.	0.9	3
233	The delta-shock wave for the two variables of a class of Temple system. Advances in Difference Equations, 2018, 2018, .	3.5	3
234	Resistance Distance and Kirchhoff Index of the Corona-Vertex and the Corona-Edge of Subdivision Graph. IEEE Access, 2018, 6, 55673-55679.	4.2	3

#	ARTICLE	IF	CITATIONS
235	Tight Bounds on 1-Harmonious Coloring of Certain Graphs. <i>Symmetry</i> , 2019, 11, 917.	2.2	3
236	Theoretical and Computational Methods to Resistance Distances in Novel Graphs Operations. <i>IEEE Access</i> , 2019, 7, 107908-107916.	4.2	3
237	Resistance Distance in the Double Corona Based on R-Graph. <i>Mathematics</i> , 2019, 7, 92.	2.2	3
238	Eccentric Connectivity Index of t-Polyacenic Nanotubes. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-9.	1.8	3
239	Stanley Depth of Edge Ideals of Some Wheel-Related Graphs. <i>Mathematics</i> , 2019, 7, 202.	2.2	3
240	Energy and economic aspects of synthesis gas production from oil sludge and plastic waste. <i>Petroleum Science and Technology</i> , 2019, 37, 430-435.	1.5	3
241	Computing Minimal Doubly Resolving Sets and the Strong Metric Dimension of the Layer Sun Graph and the Line Graph of the Layer Sun Graph. <i>Complexity</i> , 2020, 2020, 1-8.	1.6	3
242	On the optimal layout of balanced complete multipartite graphs into grids and tree related structures. <i>Discrete Applied Mathematics</i> , 2021, 288, 50-65.	0.9	3
243	Optimal Wirelength of Balanced Complete Multipartite Graphs onto Cartesian Product of {Path, Cycle} and Trees. <i>Fundamenta Informaticae</i> , 2021, 178, 187-202.	0.4	3
244	Hamilton Connectivity of Convex Polytopes with Applications to Their Detour Index. <i>Complexity</i> , 2021, 2021, 1-23.	1.6	3
245	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
246	Face index of nanotubes and regular hexagonal lattices. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26761.	2.0	3
247	A Novel and Efficient Method for Computing the Resistance Distance. <i>IEEE Access</i> , 2021, 9, 107104-107110.	4.2	3
248	Four New/Old Vertex-Degree-Based Topological Indices of HAC_{5C_7} [p, q] and $HAC_{5C_6C_7}$ [p, q] Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 796-799.	0.4	3
249	Mixed domination and 2-independence in trees. <i>AIMS Mathematics</i> , 2020, 5, 5564-5570.	1.6	3
250	Sharp Bounds of First Zagreb Coindex for F -Sum Graphs. <i>Journal of Mathematics</i> , 2021, 2021, 1-19.	1.0	3
251	On Computation Degree-Based Topological Descriptors for Planar Octahedron Networks. <i>Journal of Mathematics</i> , 2021, 2021, 1-12.	1.0	3
252	The Evolution Model of Public Risk Perception Based on Pandemic Spreading Theory under Perspective of COVID-19. <i>Complexity</i> , 2021, 2021, 1-10.	1.6	3

#	ARTICLE	IF	CITATIONS
253	On the Laplacians for Strong Product Graphs Based on Polyacene Graphs. Polycyclic Aromatic Compounds, 2022, 42, 7697-7711.	2.6	3
254	The Edge-Hyper-Wiener Index of Zigzag Single-Walled Nanotubes. Polycyclic Aromatic Compounds, 2023, 43, 1509-1523.	2.6	3
255	The Kirchhoff Index of Toroidal Meshes and Variant Networks. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	2
256	Local colourings of Cartesian product graphs. International Journal of Computer Mathematics, 2015, 92, 694-699.	1.8	2
257	Synchronization analysis of coupled calcium oscillators based on two regular coupling schemes. Neurocomputing, 2015, 165, 126-132.	5.9	2
258	$L(2,1)$ -labeling for brick product graphs. Journal of Combinatorial Optimization, 2016, 31, 447-462.	1.3	2
259	Further Results on Resistance Distance and Kirchhoff Index in Electric Networks. Discrete Dynamics in Nature and Society, 2016, 2016, 1-9.	0.9	2
260	Techno-economic analysis of biomass-to-biomethanol (BtS) via low-temperature steam gasification. Energy Sources, Part B: Economics, Planning and Policy, 2018, 13, 91-95.	3.4	2
261	Vertex Labeling and Routing for Farey-Type Symmetrically-Structured Graphs. Symmetry, 2018, 10, 407.	2.2	2
262	An Efficient Method of Generating Deterministic Small-World and Scale-Free Graphs for Simulating Real-World Networks. IEEE Access, 2018, 6, 59833-59842.	4.2	2
263	Effective Approach to Calculate Analysis Window in Infinite Discrete Gabor Transform. Complexity, 2018, 2018, 1-10.	1.6	2
264	On Extended Adjacency Index with respect to Acyclic, Unicyclic and Bicyclic Graphs. Mathematics, 2019, 7, 652.	2.2	2
265	Computational Analysis of Imbalance-Based Irregularity Indices of Boron Nanotubes. Processes, 2019, 7, 678.	2.8	2
266	The Sanskruti index of trees and unicyclic graphs. Open Chemistry, 2019, 17, 448-455.	1.9	2
267	On the Metric Dimension of Generalized Tensor Product of Interval with Paths and Cycles. Journal of Mathematics, 2020, 2020, 1-6.	1.0	2
268	On the A_{\pm} -Spectral Radii of Cactus Graphs. Mathematics, 2020, 8, 869.	2.2	2
269	The Calculations of Topological Indices on Certain Networks. Journal of Mathematics, 2021, 2021, 1-12.	1.0	2
270	Polynomials and General Degree-Based Topological Indices of Generalized Sierpinski Networks. Complexity, 2021, 2021, 1-10.	1.6	2

#	ARTICLE	IF	CITATIONS
271	On 2-metric resolvability in \hat{A} rotationally-symmetric graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 11887-11895.	1.4	2
272	On the Upper Bounds of Fractional Metric Dimension of Symmetric Networks. <i>Journal of Mathematics</i> , 2021, 2021, 1-20.	1.0	2
273	Perfect Italian domination in graphs: Complexity and algorithms. <i>Discrete Applied Mathematics</i> , 2022, 319, 271-295.	0.9	2
274	Second Zagreb and Sigma Indices of Semi and Total Transformations of Graphs. <i>Complexity</i> , 2021, 2021, 1-15.	1.6	2
275	On Certain Topological Indices of TUC_{5C_8} Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 9158-9161.	0.4	2
276	Zagreb Indices of Semi-Total(Total) Block Graphs of Bridge and Chain Graphs. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 2777-2780.	0.4	2
277	Theoretical Study of Ability of Boron Nitride Nanocone to Oxidation of Sulfur Monoxide. <i>Acta Chimica Slovenica</i> , 2018, 65, 296-302.	0.6	2
278	On Computation of Edge Degree-Based Banhatti Indices of a Certain Molecular Network. <i>Journal of Mathematics</i> , 2021, 2021, 1-7.	1.0	2
279	Irregularity molecular descriptors of Cerium oxide CeO ₂ based on mathematical model and calculation. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103567.	4.9	2
280	Topological Study of Polycyclic Silicon Carbide Structure. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1056-1067.	2.6	2
281	M-Polynomial and Imbalance-Based Irregularity Indices of Smart Polymers SP[n]. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 7712-7723.	2.6	2
282	An Empirical Analysis of Oil and Stock Markets' Volatility Based on the DGC-MSV-t Model. <i>Journal of Mathematics</i> , 2021, 2021, 1-7.	1.0	2
283	Exact Formulae for Degree Distance Indices of Sum Graphs. <i>Journal of Mathematics</i> , 2022, 2022, 1-16.	1.0	2
284	On Topological Properties of Degree-Based Entropy of Hex-Derived Network of Type 3. <i>Journal of Function Spaces</i> , 2022, 2022, 1-7.	0.9	2
285	Computing and analyzing the normalized Laplacian spectrum and spanning tree of the strong prism of the dicyclobutadieno derivative of linear phenylenes. <i>International Journal of Quantum Chemistry</i> , 2022, 122, .	2.0	2
286	The Kirchhoff Index of Some Combinatorial Networks. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-6.	0.9	1
287	The Laplacian-Energy-Like Invariants of Three Types of Lattices. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-8.	1.6	1
288	Asymptotic behavior of Laplacian-energy-like invariant of the 3.6.24 lattice with various boundary conditions. <i>SpringerPlus</i> , 2016, 5, 1415.	1.2	1

#	ARTICLE	IF	CITATIONS
289	Economic feasibility study of hydrogen production from biomass gasification for PEM fuel cell applications. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017, 12, 659-664.	3.4	1
290	Techno-economic study of coal pyrolysis for production of chemicals using a high-pressure fluidized bed. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017, 12, 654-658.	3.4	1
291	The Riemann problem for a one-dimensional nonlinear wave system with different gamma laws. <i>Boundary Value Problems</i> , 2017, 2017, .	0.7	1
292	Graphs having extremal monotonic topological indices with bounded vertex k-partiteness. <i>Journal of Applied Mathematics and Computing</i> , 2018, 58, 413-432.	2.5	1
293	The total bondage numbers and efficient total dominations of vertex-transitive graphs. <i>Applied Mathematics and Computation</i> , 2018, 332, 35-41.	2.2	1
294	A Theoretical Examination of the Antioxidant Activity of NH ₂ , OMe, and tert-Butyl Sesamol Derivatives and Their Drug Delivery with C ₆₀ Nanocage. <i>Russian Journal of Physical Chemistry A</i> , 2018, 92, 2757-2760.	0.6	1
295	Maximum Detour-Harary Index for Some Graph Classes. <i>Symmetry</i> , 2018, 10, 608.	2.2	1
296	The Extremal Graphs of Some Topological Indices with Given Vertex k-Partiteness. <i>Mathematics</i> , 2018, 6, 271.	2.2	1
297	Some Metrical Properties of Lattice Graphs of Finite Groups. <i>Mathematics</i> , 2019, 7, 398.	2.2	1
298	Further Results on the Resistance-Harary Index of Unicyclic Graphs. <i>Mathematics</i> , 2019, 7, 201.	2.2	1
299	Global Asymptotical Stability Analysis for Fractional Neural Networks with Time-Varying Delays. <i>Mathematics</i> , 2019, 7, 138.	2.2	1
300	Computing Edge Weights of Magic Labeling on Rooted Products of Graphs. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-16.	1.1	1
301	Higher Order of Convergence with Multivalued Contraction Mappings. <i>Journal of Mathematics</i> , 2020, 2020, 1-8.	1.0	1
302	Icosahedral Group and Classification of PSL(2, Z)-Orbits of Real Quadratic Fields. <i>Journal of Mathematics</i> , 2020, 2020, 1-10.	1.0	1
303	A special class of triple starlike trees characterized by Laplacian spectrum. <i>AIMS Mathematics</i> , 2021, 6, 4394-4403.	1.6	1
304	On investigations of graphs preserving the Wiener index upon vertex removal. <i>AIMS Mathematics</i> , 2021, 6, 12976-12985.	1.6	1
305	Wiener Polarity Index Calculation of Square-Free Graphs and Its Implementation to Certain Complex Materials. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	1.1	1
306	Wiener and Hyper-Wiener Indices of Polygonal Cylinder and Torus. <i>Complexity</i> , 2021, 2021, 1-15.	1.6	1

#	ARTICLE	IF	CITATIONS
307	Exact Values of Zagreb Indices for Generalized T-Sum Networks with Lexicographic Product. Journal of Mathematics, 2021, 2021, 1-17.	1.0	1
308	k, l -Anonymity in Wheel-Related Social Graphs Measured on the Base of k -Metric Antidimension. Journal of Mathematics, 2021, 2021, 1-13.	1.0	1
309	Several Topological Indices of Two Kinds of Tetrahedral Networks. Journal of Mathematics, 2021, 2021, 1-10.	1.0	1
310	An Improved K-OPT Local Search Algorithm for the Vertex Separator Problem. Journal of Computational and Theoretical Nanoscience, 2015, 12, 4942-4958.	0.4	1
311	On minimum algebraic connectivity of graphs whose complements are bicyclic. Open Mathematics, 2019, 17, 1490-1502.	1.0	1
312	Some Vertex/Edge-Degree-Based Topological Indices of r -Apex Trees. Journal of Mathematics, 2021, 2021, 1-8.	1.0	1
313	Some topological indices of dendrimers determined by their Banhatti polynomials. Heterocyclic Communications, 2020, 26, 99-111.	1.2	1
314	Extremal (n, m) -Graphs w.r.t General Multiplicative Zagreb Indices. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 476-482.	1.1	1
315	On the Graphs of Minimum Degree At Least 3 Having Minimum Sum-Connectivity Index. Journal of Mathematics, 2022, 2022, 1-11.	1.0	1
316	The (Multiplicative Degree-) Kirchhoff Index of Graphs Derived from the Cartesian Product of $\langle \mathit{M1} \rangle$ and $\langle \mathit{M2} \rangle$. Journal of Mathematics, 2022, 2022, 1-9.	1.0	1
317	On Computation of Degree-Based Entropy of Planar Octahedron Networks. Journal of Function Spaces, 2022, 2022, 1-9.	0.9	1
318	Research on Optimization of Intelligent Logistics Agile Distribution Model in Supply Chain Networks. Mathematical Problems in Engineering, 2022, 2022, 1-8.	1.1	1
319	On the circular $L(2, 1)$ -labelling for strong products of paths and cycles. IET Communications, 2014, 8, 774-779.	2.2	0
320	On the $L(2, \hat{A}1)$ -labeling conjecture for brick product graphs. Journal of Combinatorial Optimization, 2017, 34, 706-724.	1.3	0
321	Further results on monotonic graph invariants and bipartiteness number. Quaestiones Mathematicae, 2019, 42, 533-549.	0.6	0
322	Some New Applications of Weakly H-Embedded Subgroups of Finite Groups. Mathematics, 2019, 7, 158.	2.2	0
323	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
324	Complete Characterization of Resistance Distance for Linear Octagonal Networks. Complexity, 2020, 2020, 1-13.	1.6	0

#	ARTICLE	IF	CITATIONS
325	Recurrence Relations and Hilbert Series of the Monoid Associated with Star Topology. Journal of Mathematics, 2020, 2020, 1-6.	1.0	0
326	Upper and Lower Bounds for the Kirchhoff Index of the n -Dimensional Hypercube Network. Complexity, 2020, 2020, 1-4.	1.6	0
327	Some Algebraic Properties of a Class of Integral Graphs Determined by Their Spectrum. Journal of Mathematics, 2021, 2021, 1-5.	1.0	0
328	An Implementation of Lipschitz Simple Functions in Computer Algebra System Singular. Complexity, 2021, 2021, 1-5.	1.6	0
329	Some Chemistry Indices of Clique-Inserted Graph of a Strongly Regular Graph. Complexity, 2021, 2021, 1-6.	1.6	0
330	Estimates for the Norm of Generalized Maximal Operator on Strong Product of Graphs. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	0
331	Optimal Intersection Curves for Surfaces. Journal of Mathematics, 2021, 2021, 1-9.	1.0	0
332	The Normalized Laplacians, Degree-Kirchhoff Index, and the Complexity of MÄrbius Graph of Linear Octagonal-Quadrilateral Networks. Journal of Mathematics, 2021, 2021, 1-25.	1.0	0
333	A Family of Integer-Point Ternary Parametric Subdivision Schemes. Journal of Mathematics, 2021, 2021, 1-10.	1.0	0
334	Lie Symmetry Analysis for the General Classes of Generalized Modified Kuramoto-Sivashinsky Equation. Journal of Function Spaces, 2021, 2021, 1-8.	0.9	0
335	Heuristic Algorithms for Finding Minimum Dominating Set in Graphs. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6028-6038.	0.4	0
336	On Double Domination Numbers of Generalized Petersen Graphs. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6514-6518.	0.4	0
337	On Some Degree-Based Topological Indices of Line Graphs of TiO_2 [m, n] Nanotubes. Journal of Computational and Theoretical Nanoscience, 2016, 13, 9131-9135.	0.4	0
338	Computing a Closed Formula of the Wiener Index of the Polycyclic Aromatic Hydrocarbons PAH_k by Using the Cut Method. Journal of Computational and Theoretical Nanoscience, 2017, 14, 3636-3640.	0.4	0
339	Generators of Maximal Subgroups of Harada-Norton and some Linear Groups. Open Chemistry, 2019, 17, 1509-1518.	1.9	0
340	On the Number of Conjugate Classes of Derangements. Journal of Mathematics, 2021, 2021, 1-20.	1.0	0
341	Characterization of the Congestion Lemma on Layout Computation. Journal of Mathematics, 2021, 2021, 1-5.	1.0	0
342	Sharp upper bounds of A_α -spectral radius of cacti with given pendant vertices. , 0, , 1-8.	1.0	0

#	ARTICLE	IF	CITATIONS
343	Experimental Research on Aerated Supercavitation Suppression of Capillary Outlet Throttling Noise. Complexity, 2022, 2022, 1-11.	1.6	0
344	The Laplacian Spectrum, Kirchhoff Index, and the Number of Spanning Trees of the Linear Heptagonal Networks. Complexity, 2022, 2022, 1-10.	1.6	0
345	Some Resolving Parameters in a Class of Cayley Graphs. Journal of Mathematics, 2022, 2022, 1-5.	1.0	0
346	Research on the Resilience Evaluation and Spatial Correlation of China's Sports Regional Development Under the New Concept. Frontiers in Psychology, 2021, 12, 763501.	2.1	0
347	The Family of Multiparameter Quaternary Subdivision Schemes. Journal of Mathematics, 2021, 2021, 1-12.	1.0	0
348	Study on the Rural Revitalization and Urban-Rural Integration Efficiency in Anhui Province Based on Game Cross-Efficiency DEA Model. Computational Intelligence and Neuroscience, 2022, 2022, 1-7.	1.7	0
349	Prediction Model and Optimization of Coupling Reaction Yield Based on BP Neural Network. Mathematical Problems in Engineering, 2022, 2022, 1-9.	1.1	0
350	Abnormal Target Detection Method in Hyperspectral Remote Sensing Image Based on Convolution Neural Network. Computational Intelligence and Neuroscience, 2022, 2022, 1-8.	1.7	0
351	Stanley Depth of the Edge Ideal of Extended Gear Networks and Application in Circuit Analysis. Journal of Mathematics, 2022, 2022, 1-8.	1.0	0