Jia-Bao Liu

List of Publications by Year
in descending order

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	Topological Study of Polycyclic Silicon Carbide Structure. Polycyclic Aromatic Compounds, 2023, 43, 1056-1067.	2.6	2
2	On Topological Properties of Planar Octahedron Networks. Polycyclic Aromatic Compounds, 2023, 43, 755-771.	2.6	4
3	The Edge-Hyper-Wiener Index of Zigzag Single-Walled Nanotubes. Polycyclic Aromatic Compounds, 2023, 43, 1509-1523.	2.6	3
4	Topological Properties of Concealed Non-Kekulean Benzenoid Hydrocarbon. Polycyclic Aromatic Compounds, 2023, 43, 1776-1787.	2.6	9
5	Multiset and Mixed Metric Dimension for Starphene and Zigzag-Edge Coronoid. Polycyclic Aromatic Compounds, 2023, 43, 190-204.	2.6	7
6	On counting polynomials of certain classes of polycyclic aromatic hydrocarbons. Polycyclic Aromatic Compounds, 2023, 43, 4768-4786.	2.6	4
7	Multiplicative Topological Indices of Molecular Structure in Anticancer Drugs. Polycyclic Aromatic Compounds, 2022, 42, 475-488.	2.6	34
8	On the Laplacians and Normalized Laplacians for Graph Transformation with Respect to the Dicyclobutadieno Derivative of [n]Phenylenes. Polycyclic Aromatic Compounds, 2022, 42, 1413-1434.	2.6	15
9	Computing the Laplacian Spectrum of Linear Octagonal-Quadrilateral Networks and Its Applications. Polycyclic Aromatic Compounds, 2022, 42, 659-670.	2.6	24
10	M-Polynomial and Degree-Based Molecular Descriptors of Certain Classes of Benzenoid Systems. Polycyclic Aromatic Compounds, 2022, 42, 3450-3477.	2.6	15
11	Performance evaluation of emergency logistics capability for public health emergencies:perspective of COVID-19. International Journal of Logistics Research and Applications, 2022, 25, 1509-1522.	8.8	18
12	Perfect Italian domination in graphs: Complexity and algorithms. Discrete Applied Mathematics, 2022, 319, 271-295.	0.9	2
13	Valency-Based Molecular Descriptors for Measuring the π-Electronic Energy of Lower Polycyclic Aromatic Hydrocarbons. Polycyclic Aromatic Compounds, 2022, 42, 1113-1129.	2.6	40
14	On Certain Topological Indices of Three-Layered Single-Walled Titania Nanosheets. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 483-495.	1.1	15
15	Bounds on the Partition Dimension of Convex Polytopes. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 547-553.	1.1	24
16	Topological index analysis of a class of networks analogous to alicyclic hydrocarbons and their derivatives. International Journal of Quantum Chemistry, 2022, 122, e26827.	2.0	8
17	Topological Co-indices of Hydroxyethyl Starch Conjugated with Hydroxychloroquine Used for COVID-19 Treatment. Polycyclic Aromatic Compounds, 2022, 42, 7130-7142.	2.6	6
18	The Kirchhoff index and spanning trees of Möbius/cylinder octagonal chain. Discrete Applied Mathematics, 2022, 307, 22-31.	0.9	46

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19	Jensen-Mercer variant of Hermite-Hadamard type inequalities via Atangana-Baleanu fractional operator. AIMS Mathematics, 2022, 7, 2123-2141.	1.6	24
20	Irregularity molecular descriptors of Cerium oxide CeO_2 based on mathematical model and calculation. Arabian Journal of Chemistry, 2022, 15, 103567.	4.9	2
21	On the Laplacians for Strong Product Graphs Based on Polyacene Graphs. Polycyclic Aromatic Compounds, 2022, 42, 7697-7711.	2.6	3
22	Molecular structural characterization of superphenalene and supertriphenylene. International Journal of Quantum Chemistry, 2022, 122, e26818.	2.0	10
23	Experimental Research on Aerated Supercavitation Suppression of Capillary Outlet Throttling Noise. Complexity, 2022, 2022, 1-11.	1.6	0
24	The Laplacian Spectrum, Kirchhoff Index, and the Number of Spanning Trees of the Linear Heptagonal Networks. Complexity, 2022, 2022, 1-10.	1.6	0
25	Some Resolving Parameters in a Class of Cayley Graphs. Journal of Mathematics, 2022, 2022, 1-5.	1.0	0
26	Embedding algorithm of spined cube into grid structure and its wirelength computation. Theoretical Computer Science, 2022, 905, 69-86.	0.9	5
27	Novel Applications of Graph Theory in Chemistry and Drug Designing. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 439-440.	1.1	7
28	Extremal (n,m)-Graphs w.r.t General Multiplicative Zagreb Indices. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 476-482.	1.1	1
29	On the Graphs of Minimum Degree At Least 3 Having Minimum Sum-Connectivity Index. Journal of Mathematics, 2022, 2022, 1-11.	1.0	1
30	The (Multiplicative Degree-) Kirchhoff Index of Graphs Derived from the Cartesian Product of S_n and P_2. Journal of Mathematics, 2022, 2022, 1-9.	1.0	1
31	On Computation of Degree-Based Entropy of Planar Octahedron Networks. Journal of Function Spaces, 2022, 2022, 1-9.	0.9	1
32	An Empirical Study on the Improvement of College Students' Employability Based on University Factors. Frontiers in Psychology, 2022, 13, 793492.	2.1	5
33	How Does Inequality Affect the Residents' Subjective Well-Being: Inequality of Opportunity and Inequality of Effort. Frontiers in Psychology, 2022, 13, 843854.	2.1	20
34	M-Polynomial and Imbalance-Based Irregularity Indices of Smart Polymers SP[n]. Polycyclic Aromatic Compounds, 2022, 42, 7712-7723.	2.6	2
35	Research on Optimization of Intelligent Logistics Agile Distribution Model in Supply Chain Networks. Mathematical Problems in Engineering, 2022, 2022, 1-8.	1.1	1
36	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

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37	Exact Formulae for Degree Distance Indices of Sum Graphs. Journal of Mathematics, 2022, 2022, 1-16.	1.0	2
38	On Topological Properties of Degree-Based Entropy of Hex-Derived Network of Type 3. Journal of Function Spaces, 2022, 2022, 1-7.	0.9	2
39	Prediction Model and Optimization of Coupling Reaction Yield Based on BP Neural Network. Mathematical Problems in Engineering, 2022, 2022, 1-9.	1.1	0
40	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
41	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
42	Computing and analyzing the normalized Laplacian spectrum and spanning tree of the strong prism of the dicyclobutadieno derivative of linear phenylenes. International Journal of Quantum Chemistry, 2022, 122, .	2.0	2
43	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
44	Quantitative structural descriptors of sodalite materials. Journal of Molecular Structure, 2021, 1223, 128766.	3.6	26
45	On the optimal layout of balanced complete multipartite graphs into grids and tree related structures. Discrete Applied Mathematics, 2021, 288, 50-65.	0.9	3
46	Molecular topological characterization of three classes of polycyclic aromatic hydrocarbons. Journal of Molecular Structure, 2021, 1229, 129501.	3.6	26
47	Ordering trees by their <scp>ABC</scp> spectral radii. International Journal of Quantum Chemistry, 2021, 121, e26519.	2.0	4
48	Relativistic structural characterization of molybdenum and tungsten disulfide materials. International Journal of Quantum Chemistry, 2021, 121, e26492.	2.0	4
49	Optimal Wirelength of Balanced Complete Multipartite Graphs onto Cartesian Product of {Path, Cycle} and Trees. Fundamenta Informaticae, 2021, 178, 187-202.	0.4	3
50	A special class of triple starlike trees characterized by Laplacian spectrum. AIMS Mathematics, 2021, 6, 4394-4403.	1.6	1
51	Hamilton Connectivity of Convex Polytopes with Applications to Their Detour Index. Complexity, 2021, 2021, 1-23.	1.6	3
52	On investigations of graphs preserving the Wiener index upon vertex removal. AIMS Mathematics, 2021, 6, 12976-12985.	1.6	1
53	The Calculations of Topological Indices on Certain Networks. Journal of Mathematics, 2021, 2021, 1-12.	1.0	2
54	Structures of power digraphs over the congruence equation $ x^p \equiv y; (ext{mod}; m) $ and enumerations. AIMS Mathematics, 2021, 6, 4581-4596.	1.6	8

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55	Some Algebraic Properties of a Class of Integral Graphs Determined by Their Spectrum. Journal of Mathematics, 2021, 2021, 1-5.	1.0	0
56	Polynomials and General Degree-Based Topological Indices of Generalized Sierpinski Networks. Complexity, 2021, 2021, 1-10.	1.6	2
57	Wiener Polarity Index Calculation of Square-Free Graphs and Its Implementation to Certain Complex Materials. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	1
58	Graph Indices for Cartesian Product of F-sum of Connected Graphs. Combinatorial Chemistry and High Throughput Screening, 2021, 24, .	1.1	5
59	Distance based and bond additive topological indices of certain repurposed antiviral drug compounds tested for treating <scp>COVID</scp>â€19. International Journal of Quantum Chemistry, 2021, 121, e26617.	2.0	50
60	Double Roman Graphs in P(3k, k). Mathematics, 2021, 9, 336.	2.2	5
61	Connectivity and Wiener Index of Fuzzy Incidence Graphs. Mathematical Problems in Engineering, 2021, 2021, 1-7.	1.1	12
62	Degree-Based Indices of Some Complex Networks. Journal of Mathematics, 2021, 2021, 1-16.	1.0	6
63	On Partition Dimension of Some Cycle-Related Graphs. Mathematical Problems in Engineering, 2021, 2021, 1-8.	1.1	14
64	On Distance-Based Topological Descriptors of Chemical Interconnection Networks. Journal of Mathematics, 2021, 2021, 1-10.	1.0	21
65	Computing FGZ Index of Sum Graphs under Strong Product. Journal of Mathematics, 2021, 2021, 1-16.	1.0	4
66	Computing Analysis for First Zagreb Connection Index and Coindex of Resultant Graphs. Mathematical Problems in Engineering, 2021, 2021, 1-19.	1.1	16
67	Bounds of Degree-Based Molecular Descriptors for Generalized F -sum Graphs. Discrete Dynamics in Nature and Society, 2021, 2021, 1-17.	0.9	3
68	Wiener and Hyper-Wiener Indices of Polygonal Cylinder and Torus. Complexity, 2021, 2021, 1-15.	1.6	1
69	On Computation of Entropy of Hex-Derived Network. Complexity, 2021, 2021, 1-18.	1.6	12
70	A Review of Artificial Intelligence (AI) in Education from 2010 to 2020. Complexity, 2021, 2021, 1-18.	1.6	102
71	Topological characterization of hexagonal and rectangular tessellations of kekulenes as traps for toxic heavy metal ions. Theoretical Chemistry Accounts, 2021, 140, 1.	1.4	14
72	An Implementation of Lipschitz Simple Functions in Computer Algebra System Singular. Complexity, 2021, 2021, 1-5.	1.6	0

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73	Some Chemistry Indices of Clique-Inserted Graph of a Strongly Regular Graph. Complexity, 2021, 2021, 1-6.	1.6	0
74	On 2-metric resolvability in rotationally-symmetric graphs. Journal of Intelligent and Fuzzy Systems, 2021, 40, 11887-11895.	1.4	2
75	Statistics and Calculation of Entropy of Dominating David Derived Networks. Complexity, 2021, 2021, 1-15.	1.6	10
76	On the Upper Bounds of Fractional Metric Dimension of Symmetric Networks. Journal of Mathematics, 2021, 2021, 1-20.	1.0	2
77	Face index of nanotubes and regular hexagonal lattices. International Journal of Quantum Chemistry, 2021, 121, e26761.	2.0	3
78	The Vertex-Edge Resolvability of Some Wheel-Related Graphs. Journal of Mathematics, 2021, 2021, 1-16.	1.0	11
79	Estimates for the Norm of Generalized Maximal Operator on Strong Product of Graphs. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	0
80	Investigation of General Power Sum-Connectivity Index for Some Classes of Extremal Graphs. Complexity, 2021, 2021, 1-8.	1.6	6
81	Exact Values of Zagreb Indices for Generalized T-Sum Networks with Lexicographic Product. Journal of Mathematics, 2021, 2021, 1-17.	1.0	1
82	A Comparative Study of Natural Convection Flow of Fractional Maxwell Fluid with Uniform Heat Flux and Radiation. Complexity, 2021, 2021, 1-16.	1.6	7
83	Topological analysis of para€line graph of Remdesivir used in the prevention of corona virus. International Journal of Quantum Chemistry, 2021, 121, e26778.	2.0	13
84	Optimal Intersection Curves for Surfaces. Journal of Mathematics, 2021, 2021, 1-9.	1.0	0
85	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
86	Foreign Direct Investment, Regional Innovation, and Green Economic Efficiency: An Empirical Test Based on the Investigation of Intermediary Effect and Threshold Effect. Computational Intelligence and Neuroscience, 2021, 2021, 1-14.	1.7	10
87	NETWORK COHERENCE ANALYSIS ON A FAMILY OF NESTED WEIGHTED n-POLYGON NETWORKS. Fractals, 2021, 29, .	3.7	64
88	Second Zagreb and Sigma Indices of Semi and Total Transformations of Graphs. Complexity, 2021, 2021, 1-15.	1.6	2
89	Evaluating Investors' Recognition Abilities for Risk and Profit in Online Loan Markets Using Nonlinear Models and Financial Big Data. Journal of Function Spaces, 2021, 2021, 1-15.	0.9	24
90	Several Topological Indices of Two Kinds of Tetrahedral Networks. Journal of Mathematics, 2021, 2021, 1-10.	1.0	1

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92	A Novel and Efficient Method for Computing the Resistance Distance. IEEE Access, 2021, 9, 107104-107110.	4.2	3
93	Some topological properties of uniform subdivision of SierpiÅ„ski graphs. Main Group Metal Chemistry, 2021, 44, 218-227.	1.6	7
94	The Normalized Laplacians, Degree-Kirchhoff Index, and the Complexity of MÃ¶bius Graph of Linear Octagonal-Quadrilateral Networks. Journal of Mathematics, 2021, 2021, 1-25.	1.0	0
95	Some Vertex/Edge-Degree-Based Topological Indices of r -Apex Trees. Journal of Mathematics, 2021, 2021, 1-8.	1.0	1
96	Sharp Bounds of First Zagreb Coindex for F-Sum Graphs. Journal of Mathematics, 2021, 2021, 1-19.	1.0	3
97	A Family of Integer-Point Ternary Parametric Subdivision Schemes. Journal of Mathematics, 2021, 2021, 1-10.	1.0	0
98	Simulation and Prediction of Fungal Community Evolution Based on RBF Neural Network. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-13.	1.3	15
99	Lie Symmetry Analysis for the General Classes of Generalized Modified Kuramoto-Sivashinsky Equation. Journal of Function Spaces, 2021, 2021, 1-8.	0.9	0
100	On the Number of Conjugate Classes of Derangements. Journal of Mathematics, 2021, 2021, 1-20.	1.0	0
101	Partition Dimension of Generalized Petersen Graph. Complexity, 2021, 2021, 1-14.	1.6	4
102	Characterization of the Congestion Lemma on Layout Computation. Journal of Mathematics, 2021, 2021, 1-5.	1.0	0
103	On Computation Degree-Based Topological Descriptors for Planar Octahedron Networks. Journal of Mathematics, 2021, 2021, 1-12.	1.0	3
104	On Computation of Edge Degree-Based Banhatti Indices of a Certain Molecular Network. Journal of Mathematics, 2021, 2021, 1-7.	1.0	2
105	The Evolution Model of Public Risk Perception Based on Pandemic Spreading Theory under Perspective of COVID-19. Complexity, 2021, 2021, 1-10.	1.6	3
106	Two Classes of Infrasoft Separation Axioms. Journal of Mathematics, 2021, 2021, 1-10.	1.0	4
107	Research on the Resilience Evaluation and Spatial Correlation of Chinaâ€™s Sports Regional Development Under the New Concept. Frontiers in Psychology, 2021, 12, 763501.	2.1	0
108	Research on Energy Efficiency Management of Forklift Based on Improved YOLOv5 Algorithm. Journal of Mathematics, 2021, 2021, 1-9.	1.0	6

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109	An Empirical Analysis of Oil and Stock Markets' Volatility Based on the DGC-MSV-t Model. Journal of Mathematics, 2021, 2021, 1-7.	1.0	2
110	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
111	The Family of Multiparameter Quaternary Subdivision Schemes. Journal of Mathematics, 2021, 2021, 1-12.	1.0	0
112	Topological Indices and Their Applications to Circumcised Donut Benzenoid Systems, Kekulenes and Drugs. Polycyclic Aromatic Compounds, 2020, 40, 280-303.	2.6	67
113	A linear time algorithm for embedding locally twisted cube into grid network to optimize the layout. Discrete Applied Mathematics, 2020, 286, 10-18.	0.9	10
114	Wirelength of embedding complete multipartite graphs into certain graphs. Discrete Applied Mathematics, 2020, 280, 221-236.	0.9	10
115	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
116	On the generalized adjacency, Laplacian and signless Laplacian spectra of the weighted edge corona networks. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 123073.	2.6	88
117	On Mixed Metric Dimension of Rotationally Symmetric Graphs. IEEE Access, 2020, 8, 11560-11569.	4.2	29
118	Palladium nanosheet-knotted injectable hydrogels formed *via* palladium–sulfur bonding for synergistic chemo-photothermal therapy. Nanoscale, 2020, 12, 210-219.	5.6	42
119	Resistance distance-based graph invariants and the number of spanning trees of linear crossed octagonal graphs. Journal of Applied Mathematics and Computing, 2020, 63, 1-27.	2.5	22
120	Sharp Bounds of Local Fractional Metric Dimensions of Connected Networks. IEEE Access, 2020, 8, 172329-172342.	4.2	30
121	Complete Characterization of Resistance Distance for Linear Octagonal Networks. Complexity, 2020, 2020, 1-13.	1.6	0
122	Bounds on General Randić Index for F-Sum Graphs. Journal of Mathematics, 2020, 2020, 1-17.	1.0	6
123	Local Fractional Metric Dimensions of Rotationally Symmetric and Planar Networks. IEEE Access, 2020, 8, 82404-82420.	4.2	22
124	Fault-Tolerant Metric Dimension of Generalized Wheels and Convex Polytopes. Mathematical Problems in Engineering, 2020, 2020, 1-8.	1.1	10
125	Computing Edge Weights of Magic Labeling on Rooted Products of Graphs. Mathematical Problems in Engineering, 2020, 2020, 1-16.	1.1	1
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128	Zagreb Connection Numbers for Cellular Neural Networks. Discrete Dynamics in Nature and Society, 2020, 2020, 1-8.	0.9	24
129	Quality testing of distance-based molecular descriptors for benzenoid hydrocarbons. Journal of Molecular Structure, 2020, 1222, 128927.	3.6	43
130	Some New Inequalities Involving I^o-Fractional Integral for Certain Classes of Functions and Their Applications. Journal of Function Spaces, 2020, 2020, 1-14.	0.9	4
131	Recurrence Relations and Hilbert Series of the Monoid Associated with Star Topology. Journal of Mathematics, 2020, 2020, 1-6.	1.0	0
132	On the Metric Dimension of Generalized Tensor Product of Interval with Paths and Cycles. Journal of Mathematics, 2020, 2020, 1-6.	1.0	2
133	Icosahedral Group and Classification of PSL(2, Z)-Orbits of Real Quadratic Fields. Journal of Mathematics, 2020, 2020, 1-10.	1.0	1
134	On Topological Indices of mth Chain Hex-Derived Network of Third Type. Frontiers in Physics, 2020, 8, .	2.1	17
135	Toxicokinetics of Brominated Azo Dyes in the Early Life Stages of Zebrafish (*Danio rerio*) Is Prone to Aromatic Substituent Changes. Environmental Science & Technology, 2020, 54, 4421-4431.	10.0	12
136	Metric Dimension, Minimal Doubly Resolving Sets, and the Strong Metric Dimension for Jellyfish Graph and Cocktail Party Graph. Complexity, 2020, 2020, 1-7.	1.6	15
137	On the $A\alpha$-Spectral Radii of Cactus Graphs. Mathematics, 2020, 8, 869.	2.2	2
138	Upper and Lower Bounds for the Kirchhoff Index of the *n*-Dimensional Hypercube Network. Complexity, 2020, 2020, 1-4.	1.6	0
139	Distance Measures for Multiple-Attributes Decision-Making Based on Connection Numbers of Set Pair Analysis With Dual Hesitant Fuzzy Sets. IEEE Access, 2020, 8, 9172-9184.	4.2	9
140	Fuel gas production from asphaltene and recycled polyethylene. Petroleum Science and Technology, 2020, 38, 428-431.	1.5	5
141	On Generalized Topological Indices of Silicon-Carbon. Journal of Mathematics, 2020, 2020, 1-21.	1.0	5
142	Inequalities Involving Conformable Approach for Exponentially Convex Functions and Their Applications. Journal of Function Spaces, 2020, 2020, 1-17.	0.9	4
143	Topological Indices of Certain Transformed Chemical Structures. Journal of Chemistry, 2020, 2020, 1-7.	1.9	16
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146	On the maximum ABC index of bipartite graphs without pendent vertices. Open Chemistry, 2020, 18, 39-49.	1.9	18
147	Eccentric topological properties of a graph associated to a finite dimensional vector space. Main Group Metal Chemistry, 2020, 43, 164-176.	1.6	5
148	General fifth M-Zagreb indices and fifth M-Zagreb polynomials of carbon graphite. Eurasian Chemical Communications, 2020, 2, 634-640.	0.9	8
149	Computation of bond incident degree (BID) indices of complex structures in drugs. Eurasian Chemical Communications, 2020, 2, 672-679.	0.9	8
150	Tollâ€like receptor 4 activates the NLRP3 inflammasome pathway and periodontal inflammaging by inhibiting Bmiâ€1 expression. International Journal of Molecular Medicine, 2020, 47, 137-150.	4.0	22
151	Mixed domination and 2-independence in trees. AIMS Mathematics, 2020, 5, 5564-5570.	1.6	3
152	M-polynomials and topological indices of linear chains of benzene, napthalene and anthracene. Mathematical Biosciences and Engineering, 2020, 17, 2384-2398.	1.9	10
153	On m-polar Diophantine fuzzy N-soft set with applications. Combinatorial Chemistry and High Throughput Screening, 2020, 23, .	1.1	6
154	Laplacian and signless laplacian spectra and energies of multi-step wheels. Mathematical Biosciences and Engineering, 2020, 17, 3649-3659.	1.9	8
155	Some topological indices of dendrimers determined by their Banhatti polynomials. Heterocyclic Communications, 2020, 26, 99-111.	1.2	1
156	The normalized Laplacian, degree-Kirchhoff index and the spanning tree numbers of generalized phenylenes. Discrete Applied Mathematics, 2019, 254, 256-267.	0.9	41
157	Further results on monotonic graph invariants and bipartiteness number. Quaestiones Mathematicae, 2019, 42, 533-549.	0.6	0
158	Outer-independent ƙ-rainbow domination. Journal of Taibah University for Science, 2019, 13, 883-891.	2.5	5
159	Node set optimization problem for complete Josephus cubes. Journal of Combinatorial Optimization, 2019, 38, 1180-1195.	1.3	5
160	Computing Edge-Weight Bounds of Antimagic Labeling on a Class of Trees. IEEE Access, 2019, 7, 93375-93386.	4.2	5
161	Computing Zagreb Indices of the Subdivision-Related Generalized Operations of Graphs. IEEE Access, 2019, 7, 105479-105488.	4.2	33
162	Correlation between the Estrada index and <i>Ï€</i>â€electronic energies for benzenoid hydrocarbons with applications to boron nanotubes. International Journal of Quantum Chemistry, 2019, 119, e26016.	2.0	45

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163	Number of Spanning Trees in the Sequence of Some Graphs. Complexity, 2019, 2019, 1-22.	1.6	13
164	On Extended Adjacency Index with respect to Acyclic, Unicyclic and Bicyclic Graphs. Mathematics, 2019, 7, 652.	2.2	2
165	Tight Bounds on 1-Harmonious Coloring of Certain Graphs. Symmetry, 2019, 11, 917.	2.2	3
166	Resolvability and fault-tolerant resolvability structures of convex polytopes. Theoretical Computer Science, 2019, 796, 114-128.	0.9	33
167	Mostar indices of carbon nanostructures and circumscribed donut benzenoid systems. International Journal of Quantum Chemistry, 2019, 119, e26043.	2.0	65
168	Resistance Distance and Kirchhoff Index of Q -Double Join Graphs. IEEE Access, 2019, 7, 102313-102320.	4.2	5
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170	THE HOSOYA INDEX OF GRAPHS FORMED BY A FRACTAL GRAPH. Fractals, 2019, 27, 1950135.	3.7	90
171	Molecular Properties of Symmetrical Networks Using Topological Polynomials. Open Chemistry, 2019, 17, 849-864.	1.9	5
172	Valency-Based Topological Descriptors and Structural Property of the Generalized SierpiÅ„ski Networks. Journal of Statistical Physics, 2019, 177, 1131-1147.	1.2	108
173	On Some New Weighted Inequalities for Differentiable Exponentially Convex and Exponentially Quasi-Convex Functions with Applications. Mathematics, 2019, 7, 727.	2.2	26
174	Edge Distanceâ€based Topological Indices of Strengthâ€weighted Graphs and their Application to Coronoid Systems, Carbon Nanocones and SiO₂ Nanostructures. Molecular Informatics, 2019, 38, e1900039.	2.5	29
175	Computing Metric Dimension of Certain Families of Toeplitz Graphs. IEEE Access, 2019, 7, 126734-126741.	4.2	39
176	Partition dimension of certain classes of series parallel graphs. Theoretical Computer Science, 2019, 778, 47-60.	0.9	12
177	Fractional Metric Dimension of Generalized Jahangir Graph. Mathematics, 2019, 7, 100.	2.2	26
178	Resistance distances in corona and neighborhood corona networks based on Laplacian generalized inverse approach. Journal of Algebra and Its Applications, 2019, 18, 1950053.	0.4	18
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180	Topological indices of the subdivision of a family of partial cubes and computation of $$\hbox {SiO}_2$$ related structures. Journal of Mathematical Chemistry, 2019, 57, 1868-1883.	1.5	7

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182	On the Normalized Laplacian and the Number of Spanning Trees of Linear Heptagonal Networks. Mathematics, 2019, 7, 314.	2.2	8
183	The Bounds of Vertex Padmakarâ€"Ivan Index on k-Trees. Mathematics, 2019, 7, 324.	2.2	18
184	Robust Hˆž Control For Uncertain Singular Neutral Time-Delay Systems. Mathematics, 2019, 7, 217.	2.2	8
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