

# Jia-Bao Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

345 papers	3,546 citations	28 h-index	45 g-index
364 ext. papers	4,384 ext. citations	2 avg, IF	6.53 L-index

#	Paper	IF	Citations
345	Experimental Research on Aerated Supercavitation Suppression of Capillary Outlet Throttling Noise. <i>Complexity</i> , <b>2022</b> , 2022, 1-11	1.6	
344	The Laplacian Spectrum, Kirchhoff Index, and the Number of Spanning Trees of the Linear Heptagonal Networks. <i>Complexity</i> , <b>2022</b> , 2022, 1-10	1.6	
343	Some Resolving Parameters in a Class of Cayley Graphs. <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-5	1.2	
342	Embedding algorithm of spined cube into grid structure and its wirelength computation. <i>Theoretical Computer Science</i> , <b>2022</b> , 905, 69-86	1.1	1
341	Extremal (n,m)-Graphs w.r.t General Multiplicative Zagreb Indices.. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2022</b> , 25, 476-482	1.3	1
340	On the Graphs of Minimum Degree At Least 3 Having Minimum Sum-Connectivity Index. <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-11	1.2	
339	Jensen-Mercer variant of Hermite-Hadamard type inequalities via Atangana-Baleanu fractional operator. <i>AIMS Mathematics</i> , <b>2022</b> , 7, 2123-2141	2.2	5
338	Irregularity molecular descriptors of Cerium oxide CeO <sub>2</sub> based on mathematical model and calculation. <i>Arabian Journal of Chemistry</i> , <b>2022</b> , 15, 103567	5.9	0
337	Molecular structural characterization of superphenalene and supertriphenylene. <i>International Journal of Quantum Chemistry</i> , <b>2022</b> , 122, e26818	2.1	5
336	The Kirchhoff index and spanning trees of MBius/cylinder octagonal chain. <i>Discrete Applied Mathematics</i> , <b>2022</b> , 307, 22-31	1	8
335	The (Multiplicative Degree-) Kirchhoff Index of Graphs Derived from the Cartesian Product of S <sub>n</sub> and . <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-9	1.2	0
334	On Computation of Degree-Based Entropy of Planar Octahedron Networks. <i>Journal of Function Spaces</i> , <b>2022</b> , 2022, 1-9	0.8	
333	An Empirical Study on the Improvement of College Students' Employability Based on University Factors.. <i>Frontiers in Psychology</i> , <b>2022</b> , 13, 793492	3.4	0
332	How Does Inequality Affect the Residents' Subjective Well-Being: Inequality of Opportunity and Inequality of Effort.. <i>Frontiers in Psychology</i> , <b>2022</b> , 13, 843854	3.4	4
331	Research on Optimization of Intelligent Logistics Agile Distribution Model in Supply Chain Networks. <i>Mathematical Problems in Engineering</i> , <b>2022</b> , 2022, 1-8	1.1	
330	Study on the Rural Revitalization and Urban-Rural Integration Efficiency in Anhui Province Based on Game Cross-Efficiency DEA Model.. <i>Computational Intelligence and Neuroscience</i> , <b>2022</b> , 2022, 7373435	3	
329	Exact Formulae for Degree Distance Indices of Sum Graphs. <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-16	1.2	1

328	On Topological Properties of Degree-Based Entropy of Hex-Derived Network of Type 3. <i>Journal of Function Spaces</i> , <b>2022</b> , 2022, 1-7	0.8	1
327	Prediction Model and Optimization of Coupling Reaction Yield Based on BP Neural Network. <i>Mathematical Problems in Engineering</i> , <b>2022</b> , 2022, 1-9	1.1	
326	Abnormal Target Detection Method in Hyperspectral Remote Sensing Image Based on Convolution Neural Network. <i>Computational Intelligence and Neuroscience</i> , <b>2022</b> , 2022, 1-8	3	
325	Research on the Resilience Evaluation and Spatial Correlation of China's Sports Regional Development Under the New Concept.. <i>Frontiers in Psychology</i> , <b>2021</b> , 12, 763501	3.4	
324	On Computation of Edge Degree-Based Banhatti Indices of a Certain Molecular Network. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-7	1.2	0
323	The Evolution Model of Public Risk Perception Based on Pandemic Spreading Theory under Perspective of COVID-19. <i>Complexity</i> , <b>2021</b> , 2021, 1-10	1.6	0
322	Two Classes of Infrasoftware Separation Axioms. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-10	1.2	1
321	Toll-like receptor 4 activates the NLRP3 inflammasome pathway and periodontal inflammaging by inhibiting Bmi-1 expression. <i>International Journal of Molecular Medicine</i> , <b>2021</b> , 47, 137-150	4.4	8
320	The Normalized Laplacians, Degree-Kirchhoff Index, and the Complexity of Möbius Graph of Linear Octagonal-Quadrilateral Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-25	1.2	
319	Some Vertex/Edge-Degree-Based Topological Indices of $r$ -Apex Trees. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-8	1.2	1
318	Sharp Bounds of First Zagreb Coindex for $F$ -Sum Graphs. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-19	1.2	2
317	A Family of Integer-Point Ternary Parametric Subdivision Schemes. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-10	1.2	
316	Simulation and Prediction of Fungal Community Evolution Based on RBF Neural Network. <i>Computational and Mathematical Methods in Medicine</i> , <b>2021</b> , 2021, 7918192	2.8	3
315	Lie Symmetry Analysis for the General Classes of Generalized Modified Kuramoto-Sivashinsky Equation. <i>Journal of Function Spaces</i> , <b>2021</b> , 2021, 1-8	0.8	
314	On the Number of Conjugate Classes of Derangements. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-20	1.2	
313	Partition Dimension of Generalized Petersen Graph. <i>Complexity</i> , <b>2021</b> , 2021, 1-14	1.6	3
312	Characterization of the Congestion Lemma on Layout Computation. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-5	1.2	
311	On Computation Degree-Based Topological Descriptors for Planar Octahedron Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-12	1.2	3

310	Degree-Based Indices of Some Complex Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-16	1.2	2
309	On Partition Dimension of Some Cycle-Related Graphs. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-8	1.1	10
308	On Distance-Based Topological Descriptors of Chemical Interconnection Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-10	1.2	12
307	Computing FGZ Index of Sum Graphs under Strong Product. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-16	1.2	3
306	Computing Analysis for First Zagreb Connection Index and Coindex of Resultant Graphs. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-19	1.1	13
305	Bounds of Degree-Based Molecular Descriptors for Generalized F -sum Graphs. <i>Discrete Dynamics in Nature and Society</i> , <b>2021</b> , 2021, 1-17	1.1	3
304	Wiener and Hyper-Wiener Indices of Polygonal Cylinder and Torus. <i>Complexity</i> , <b>2021</b> , 2021, 1-15	1.6	1
303	On Computation of Entropy of Hex-Derived Network. <i>Complexity</i> , <b>2021</b> , 2021, 1-18	1.6	11
302	A Review of Artificial Intelligence (AI) in Education from 2010 to 2020. <i>Complexity</i> , <b>2021</b> , 2021, 1-18	1.6	13
301	Topological characterization of hexagonal and rectangular tessellations of kekulenes as traps for toxic heavy metal ions. <i>Theoretical Chemistry Accounts</i> , <b>2021</b> , 140, 1	1.9	6
300	An Implementation of Lipschitz Simple Functions in Computer Algebra System Singular. <i>Complexity</i> , <b>2021</b> , 2021, 1-5	1.6	
299	Some Chemistry Indices of Clique-Inserted Graph of a Strongly Regular Graph. <i>Complexity</i> , <b>2021</b> , 2021, 1-6	1.6	
298	On 2-metric resolvability in rotationally-symmetric graphs. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2021</b> , 40, 11887-11895	1.6	1
297	Statistics and Calculation of Entropy of Dominating David Derived Networks. <i>Complexity</i> , <b>2021</b> , 2021, 1-15	1.6	9
296	On the Upper Bounds of Fractional Metric Dimension of Symmetric Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-20	1.2	2
295	Face index of nanotubes and regular hexagonal lattices. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26761	2.1	2
294	The Vertex-Edge Resolvability of Some Wheel-Related Graphs. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-16	1.2	6
293	Relativistic distance-based topological descriptors of Linde type A zeolites and their doped structures with very heavy elements. <i>Molecular Physics</i> , <b>2021</b> , 119, e1798529	1.7	13

292	Quantitative structural descriptors of sodalite materials. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1223, 1283-1286	14
291	On the optimal layout of balanced complete multipartite graphs into grids and tree related structures. <i>Discrete Applied Mathematics</i> , <b>2021</b> , 288, 50-65	1 1
290	Molecular topological characterization of three classes of polycyclic aromatic hydrocarbons. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1229, 129501	3-4 15
289	Ordering trees by their ABC spectral radii. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26519-1	2
288	Relativistic structural characterization of molybdenum and tungsten disulfide materials. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26492	2-1 3
287	Optimal Wirelength of Balanced Complete Multipartite Graphs onto Cartesian Product of {Path, Cycle} and Trees. <i>Fundamenta Informaticae</i> , <b>2021</b> , 178, 187-202	1 1
286	A special class of triple starlike trees characterized by Laplacian spectrum. <i>AIMS Mathematics</i> , <b>2021</b> , 6, 4394-4403	2-2
285	On the Sanskruti Index of Certain Silicate and Its Derived Structures. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 991-1006	0-2
284	Hamilton Connectivity of Convex Polytopes with Applications to Their Detour Index. <i>Complexity</i> , <b>2021</b> , 2021, 1-23	1-6 3
283	On investigations of graphs preserving the Wiener index upon vertex removal. <i>AIMS Mathematics</i> , <b>2021</b> , 6, 12976-12985	2-2
282	The Calculations of Topological Indices on Certain Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-12	1-2 0
281	Structures of power digraphs over the congruence equation $x^a \equiv y \pmod{m}$ and enumerations. <i>AIMS Mathematics</i> , <b>2021</b> , 6, 4581-4596	2-2 6
280	Some Algebraic Properties of a Class of Integral Graphs Determined by Their Spectrum. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-5	1-2
279	Polynomials and General Degree-Based Topological Indices of Generalized Sierpinski Networks. <i>Complexity</i> , <b>2021</b> , 2021, 1-10	1-6 2
278	Wiener Polarity Index Calculation of Square-Free Graphs and Its Implementation to Certain Complex Materials. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-13	1-1
277	Graph Indices for Cartesian Product of F-sum of Connected Graphs. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2021</b> ,	1-3 2
276	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> , <b>2021</b> , 121, e26617-1	23
275	Double Roman Graphs in $P(3k, k)$ . <i>Mathematics</i> , <b>2021</b> , 9, 336	2-3 4

274	Connectivity and Wiener Index of Fuzzy Incidence Graphs. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-7	1.1	8
273	Estimates for the Norm of Generalized Maximal Operator on Strong Product of Graphs. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-9	1.1	
272	Investigation of General Power Sum-Connectivity Index for Some Classes of Extremal Graphs. <i>Complexity</i> , <b>2021</b> , 2021, 1-8	1.6	6
271	Exact Values of Zagreb Indices for Generalized T-Sum Networks with Lexicographic Product. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-17	1.2	1
270	A Comparative Study of Natural Convection Flow of Fractional Maxwell Fluid with Uniform Heat Flux and Radiation. <i>Complexity</i> , <b>2021</b> , 2021, 1-16	1.6	2
269	Topological analysis of para-line graph of Remdesivir used in the prevention of corona virus. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26778	2.1	5
268	Optimal Intersection Curves for Surfaces. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-9	1.2	
267	k, l-Anonymity in Wheel-Related Social Graphs Measured on the Base of k-Metric Antidimension. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-13	1.2	
266	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> , <b>2021</b> , 2021, 7348599	3	2
265	Second Zagreb and Sigma Indices of Semi and Total Transformations of Graphs. <i>Complexity</i> , <b>2021</b> , 2021, 1-15	1.6	
264	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> , <b>2021</b> , 2021, 1-15	0.8	7
263	Several Topological Indices of Two Kinds of Tetrahedral Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-10	1.2	
262	M-polynomial and topological indices of some transformed networks. <i>AIMS Mathematics</i> , <b>2021</b> , 6, 13887-13902	2.1	2
261	A Novel and Efficient Method for Computing the Resistance Distance. <i>IEEE Access</i> , <b>2021</b> , 9, 107104-107113	1.9	2
260	Some topological properties of uniform subdivision of Sierpiński graphs. <i>Main Group Metal Chemistry</i> , <b>2021</b> , 44, 218-227	1.6	4
259	Research on Energy Efficiency Management of Forklift Based on Improved YOLOv5 Algorithm. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-9	1.2	1
258	An Empirical Analysis of Oil and Stock Markets Volatility Based on the DGC-MSV-t Model. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-7	1.2	1
257	On the Sum of Degree-Based Topological Indices of Rhombus-Type Silicate and Oxide Structures. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-16	1.2	3

256	The Family of Multiparameter Quaternary Subdivision Schemes. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-12	1.2	
255	On Topological Indices of mth Chain Hex-Derived Network of Third Type. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	11
254	Toxicokinetics of Brominated Azo Dyes in the Early Life Stages of Zebrafish () Is Prone to Aromatic Substituent Changes. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 4421-4431	10.3	6
253	Multiplicative Topological Indices of Molecular Structure in Anticancer Drugs. <i>Polycyclic Aromatic Compounds</i> , <b>2020</b> , 1-14	1.3	18
252	Metric Dimension, Minimal Doubly Resolving Sets, and the Strong Metric Dimension for Jellyfish Graph and Cocktail Party Graph. <i>Complexity</i> , <b>2020</b> , 2020, 1-7	1.6	8
251	On the A Spectral Radii of Cactus Graphs. <i>Mathematics</i> , <b>2020</b> , 8, 869	2.3	2
250	Upper and Lower Bounds for the Kirchhoff Index of the n-Dimensional Hypercube Network. <i>Complexity</i> , <b>2020</b> , 2020, 1-4	1.6	
249	On the Laplacians and Normalized Laplacians for Graph Transformation with Respect to the Dicyclobutadieno Derivative of [n]Phenylenes. <i>Polycyclic Aromatic Compounds</i> , <b>2020</b> , 1-22	1.3	7
248	Distance Measures for Multiple-Attributes Decision-Making Based on Connection Numbers of Set Pair Analysis With Dual Hesitant Fuzzy Sets. <i>IEEE Access</i> , <b>2020</b> , 8, 9172-9184	3.5	2
247	Fuel gas production from asphaltene and recycled polyethylene. <i>Petroleum Science and Technology</i> , <b>2020</b> , 38, 428-431	1.4	4
246	On Generalized Topological Indices of Silicon-Carbon. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-21	1.2	3
245	Inequalities Involving Conformable Approach for Exponentially Convex Functions and Their Applications. <i>Journal of Function Spaces</i> , <b>2020</b> , 2020, 1-17	0.8	4
244	Topological Indices of Certain Transformed Chemical Structures. <i>Journal of Chemistry</i> , <b>2020</b> , 2020, 1-7	2.3	8
243	On GrBs inequalities within generalized K-fractional integrals. <i>Advances in Difference Equations</i> , <b>2020</b> , 2020,	3.6	12
242	On the maximum ABC index of bipartite graphs without pendent vertices. <i>Open Chemistry</i> , <b>2020</b> , 18, 39-49	1.6	11
241	Eccentric topological properties of a graph associated to a finite dimensional vector space. <i>Main Group Metal Chemistry</i> , <b>2020</b> , 43, 164-176	1.6	3
240	Laplacian and signless laplacian spectra and energies of multi-step wheels. <i>Mathematical Biosciences and Engineering</i> , <b>2020</b> , 17, 3649-3659	2.1	1
239	Some topological indices of dendrimers determined by their Banhatti polynomials. <i>Heterocyclic Communications</i> , <b>2020</b> , 26, 99-111	1.7	

238	On Certain Topological Indices of Three-Layered Single-Walled Titania Nanosheets. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2020</b> ,	1.3	6
237	Bounds on the partition dimension of convex polytopes. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2020</b> ,	1.3	13
236	General fifth M-Zagreb indices and fifth M-Zagreb polynomials of carbon graphite. <i>Eurasian Chemical Communications</i> , <b>2020</b> , 2, 634-640	1.8	5
235	Computation of bond incident degree (BID) indices of complex structures in drugs. <i>Eurasian Chemical Communications</i> , <b>2020</b> , 2, 672-679	1.8	7
234	Mixed domination and 2-independence in trees. <i>AIMS Mathematics</i> , <b>2020</b> , 5, 5564-5570	2.2	3
233	M-polynomials and topological indices of linear chains of benzene, naphthalene and anthracene. <i>Mathematical Biosciences and Engineering</i> , <b>2020</b> , 17, 2384-2398	2.1	3
232	On m-polar Diophantine Fuzzy N-soft set with Applications. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2020</b> ,	1.3	5
231	M-polynomial method for topological indices of 2D-lattice of three-layered single-walled titania nanotubes. <i>Journal of Information and Optimization Sciences</i> , <b>2020</b> , 41, 743-753	1.1	
230	On the generalized adjacency, Laplacian and signless Laplacian spectra of the weighted edge corona networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 540, 123073	3.3	63
229	On Mixed Metric Dimension of Rotationally Symmetric Graphs. <i>IEEE Access</i> , <b>2020</b> , 8, 11560-11569	3.5	16
228	Palladium nanosheet-knotted injectable hydrogels formed via palladium-sulfur bonding for synergistic chemo-photothermal therapy. <i>Nanoscale</i> , <b>2020</b> , 12, 210-219	7.7	31
227	Resistance distance-based graph invariants and the number of spanning trees of linear crossed octagonal graphs. <i>Journal of Applied Mathematics and Computing</i> , <b>2020</b> , 63, 1-27	1.8	12
226	. <i>IEEE Access</i> , <b>2020</b> , 8, 172329-172342	3.5	22
225	Complete Characterization of Resistance Distance for Linear Octagonal Networks. <i>Complexity</i> , <b>2020</b> , 2020, 1-13	1.6	
224	Bounds on General Randić Index for F-Sum Graphs. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-17	1.2	3
223	Local Fractional Metric Dimensions of Rotationally Symmetric and Planar Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 82404-82420	3.5	17
222	Fault-Tolerant Metric Dimension of Generalized Wheels and Convex Polytopes. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-8	1.1	7
221	Computing Edge Weights of Magic Labeling on Rooted Products of Graphs. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-16	1.1	1

220	Higher Order of Convergence with Multivalued Contraction Mappings. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-8	1.2	
219	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> , <b>2020</b> , 2020, 1-8	1.6	3
218	Zagreb Connection Numbers for Cellular Neural Networks. <i>Discrete Dynamics in Nature and Society</i> , <b>2020</b> , 2020, 1-8	1.1	15
217	Quality testing of distance-based molecular descriptors for benzenoid hydrocarbons. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1222, 128927	3.4	12
216	Some New Inequalities Involving Fractional Integral for Certain Classes of Functions and Their Applications. <i>Journal of Function Spaces</i> , <b>2020</b> , 2020, 1-14	0.8	2
215	Recurrence Relations and Hilbert Series of the Monoid Associated with Star Topology. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-6	1.2	
214	On the Metric Dimension of Generalized Tensor Product of Interval with Paths and Cycles. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-6	1.2	1
213	Icosahedral Group and Classification of $PSL(2, \mathbb{Z})$ -Orbits of Real Quadratic Fields. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-10	1.2	1
212	Topological Indices and Their Applications to Circumcised Donut Benzenoid Systems, Kekulenes and Drugs. <i>Polycyclic Aromatic Compounds</i> , <b>2020</b> , 40, 280-303	1.3	40
211	A linear time algorithm for embedding locally twisted cube into grid network to optimize the layout. <i>Discrete Applied Mathematics</i> , <b>2020</b> , 286, 10-18	1	5
210	Wirelength of embedding complete multipartite graphs into certain graphs. <i>Discrete Applied Mathematics</i> , <b>2020</b> , 280, 221-236	1	5
209	Computing the Laplacian Spectrum of Linear Octagonal-Quadrilateral Networks and Its Applications. <i>Polycyclic Aromatic Compounds</i> , <b>2020</b> , 1-12	1.3	14
208	On certain distance and degree based topological indices of Zeolite LTA frameworks. <i>Materials Research Express</i> , <b>2020</b> , 7, 055006	1.7	11
207	Edge Distance-based Topological Indices of Strength-weighted Graphs and their Application to Coronoid Systems, Carbon Nanocones and SiO Nanostructures. <i>Molecular Informatics</i> , <b>2019</b> , 38, e1900039	2.8	22
206	Computing Metric Dimension of Certain Families of Toeplitz Graphs. <i>IEEE Access</i> , <b>2019</b> , 7, 126734-126743	1.5	28
205	Partition dimension of certain classes of series parallel graphs. <i>Theoretical Computer Science</i> , <b>2019</b> , 778, 47-60	1.1	8
204	Fractional Metric Dimension of Generalized Jahangir Graph. <i>Mathematics</i> , <b>2019</b> , 7, 100	2.3	19
203	Resistance distances in corona and neighborhood corona networks based on Laplacian generalized inverse approach. <i>Journal of Algebra and Its Applications</i> , <b>2019</b> , 18, 1950053	0.4	15

202	Some Metrical Properties of Lattice Graphs of Finite Groups. <i>Mathematics</i> , <b>2019</b> , 7, 398	2.3	0
201	Topological indices of the subdivision of a family of partial cubes and computation of $\text{hbox}\{\text{SiO}\}_2$ related structures. <i>Journal of Mathematical Chemistry</i> , <b>2019</b> , 57, 1868-1883	2.1	4
200	Computing First General Zagreb Index of Operations on Graphs. <i>IEEE Access</i> , <b>2019</b> , 7, 47494-47502	3.5	38
199	On the Normalized Laplacian and the Number of Spanning Trees of Linear Heptagonal Networks. <i>Mathematics</i> , <b>2019</b> , 7, 314	2.3	5
198	The Bounds of Vertex Padmakar-Ivan Index on k-Trees. <i>Mathematics</i> , <b>2019</b> , 7, 324	2.3	17
197	Robust H $\infty$ Control For Uncertain Singular Neutral Time-Delay Systems. <i>Mathematics</i> , <b>2019</b> , 7, 217	2.3	5
196	Reformulated Zagreb Indices of Some Derived Graphs. <i>Mathematics</i> , <b>2019</b> , 7, 366	2.3	13
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44	Wirelength of Enhanced Hypercubes into r-Rooted Complete Binary Trees. <i>Electronic Notes in Discrete Mathematics</i> , <b>2016</b> , 53, 373-382	0.3	3
43	(L(3,2,1))-labeling of triangular and toroidal grids. <i>Central European Journal of Operations Research</i> , <b>2015</b> , 23, 659-673	2.2	4
42	Synchronization analysis of coupled calcium oscillators based on two regular coupling schemes. <i>Neurocomputing</i> , <b>2015</b> , 165, 126-132	5.4	2
41	Stability and synchronization of memristor-based fractional-order delayed neural networks. <i>Neural Networks</i> , <b>2015</b> , 71, 37-44	9.1	130

40	Conjectures on wirelength of hypercube into cylinder and torus. <i>Theoretical Computer Science</i> , <b>2015</b> , 595, 168-171	1.1	1
39	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> , <b>2015</b> , 16, 549-57	4.6	13
38	The resistance distances of electrical networks based on Laplacian generalized inverse. <i>Neurocomputing</i> , <b>2015</b> , 167, 306-313	5.4	28
37	A unified approach to the asymptotic topological indices of various lattices. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 270, 62-73	2.7	16
36	Embedding hypercubes and folded hypercubes onto Cartesian product of certain trees. <i>Discrete Optimization</i> , <b>2015</b> , 17, 1-13	1	7
35	Research on Evaluation on Agility of Agile Supply Chain Network Based on Complex Network Theory. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-10	1.1	4
34	The Kirchhoff Index of Some Combinatorial Networks. <i>Discrete Dynamics in Nature and Society</i> , <b>2015</b> , 2015, 1-6	1.1	1
33	Asymptotic incidence energy of lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2015</b> , 422, 193-202	3.3	27
32	Local colourings of Cartesian product graphs. <i>International Journal of Computer Mathematics</i> , <b>2015</b> , 92, 694-699	1.2	2
31	Asymptotic Laplacian-energy-like invariant of lattices. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 253, 205-214	2.7	68
30	An Improved K-OPT Local Search Algorithm for the Vertex Separator Problem. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2015</b> , 12, 4942-4958	0.3	1
29	Heuristic Algorithms for Finding Minimum Dominating Set in Graphs. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2015</b> , 12, 6028-6038	0.3	
28	On rainbow domination numbers of graphs. <i>Information Sciences</i> , <b>2014</b> , 254, 225-234	7.7	22
27	An adaptive membrane algorithm for solving combinatorial optimization problems. <i>Acta Mathematica Scientia</i> , <b>2014</b> , 34, 1377-1394	0.7	14
26	On the circular-L(2, 1)-labelling for strong products of paths and cycles. <i>IET Communications</i> , <b>2014</b> , 8, 774-779	1.3	
25	Embedding of hypercubes into sibling trees. <i>Discrete Applied Mathematics</i> , <b>2014</b> , 169, 9-14	1	2
24	A note on Some physical and chemical indices of clique-inserted lattices. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2014</b> , 2014, P06006	1.9	14
23	L(2,1)-labeling of the strong product of paths and cycles. <i>Scientific World Journal</i> , <b>2014</b> , 2014, 741932	3.2	5

22	Some Properties on Estrada Index of Folded Hypercubes Networks. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-6	0.7	6
21	On the Incidence Energy of Some Toroidal Lattices. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-6	0.7	3
20	The Kirchhoff Index of Toroidal Meshes and Variant Networks. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-8	1.1	2
19	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> , <b>2013</b> , 7, 715-720	1.3	6
18	On the Domination Number of Cartesian Product of Two Directed Cycles. <i>Journal of Applied Mathematics</i> , <b>2013</b> , 2013, 1-7	1.1	4
17	Total-Szeged Index of C4-Nanotubes, C4-Nanotori and Dendrimer Nanostars. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2013</b> , 10, 405-411	0.3	10
16	Preventive effect of halofuginone on concanavalin A-induced liver fibrosis. <i>PLoS ONE</i> , <b>2013</b> , 8, e82232	3.7	24
15	Linear Wirelength of Folded Hypercubes. <i>Mathematics in Computer Science</i> , <b>2011</b> , 5, 101-111	0.5	19
14	Set-coloring of Edges and Multigraph Ramsey Numbers. <i>Graphs and Combinatorics</i> , <b>2009</b> , 25, 863-870	0.5	2
13	On Topological Properties of Planar Octahedron Networks. <i>Polycyclic Aromatic Compounds</i> , 1-17	1.3	1
12	On the Laplacians for Strong Product Graphs Based on Polyacene Graphs. <i>Polycyclic Aromatic Compounds</i> , 1-15	1.3	
11	Topological Study of Polycyclic Silicon Carbide Structure. <i>Polycyclic Aromatic Compounds</i> , 1-12	1.3	
10	Topological index analysis of a class of networks analogous to alicyclic hydrocarbons and their derivatives. <i>International Journal of Quantum Chemistry</i> , e26827	2.1	3
9	Topological Co-indices of Hydroxyethyl Starch Conjugated with Hydroxychloroquine Used for COVID-19 Treatment. <i>Polycyclic Aromatic Compounds</i> , 1-13	1.3	2
8	Sharp upper bounds of $A_\alpha$ -spectral radius of cacti with given pendant vertices 1-8	0	
7	Valency-Based Molecular Descriptors for Measuring the Electronic Energy of Lower Polycyclic Aromatic Hydrocarbons. <i>Polycyclic Aromatic Compounds</i> , 1-17	1.3	13
6	Performance evaluation of emergency logistics capability for public health emergencies: perspective of COVID-19. <i>International Journal of Logistics Research and Applications</i> , 1-14	3.8	4
5	M-Polynomial and Degree-Based Molecular Descriptors of Certain Classes of Benzenoid Systems. <i>Polycyclic Aromatic Compounds</i> , 1-30	1.3	7

4	Network Coherence Analysis on a Family of Nested Weighted n-Polygon Networks. <i>Fractals</i> ,	3,2	14
3	Topological Properties of Concealed Non-Kekulean Benzenoid Hydrocarbon. <i>Polycyclic Aromatic Compounds</i> ,1-12	1,3	0
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1	M-Polynomial and Imbalance-Based Irregularity Indices of Smart Polymers SP[n]. <i>Polycyclic Aromatic Compounds</i> ,1-12	1,3	2