

## List of Publications by Citations

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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	Mobile Crowd Sensing for Traffic Prediction in Internet of Vehicles. <i>Sensors</i> , <b>2016</b> , 16,	3.8	161
344	Stability and synchronization of memristor-based fractional-order delayed neural networks. <i>Neural Networks</i> , <b>2015</b> , 71, 37-44	9.1	130
343	On the Maximum ABC Index of Graphs With Prescribed Size and Without Pendent Vertices. <i>IEEE Access</i> , <b>2018</b> , 6, 27604-27616	3.5	90
342	On the maximum ABC index of graphs without pendent vertices. <i>Applied Mathematics and Computation</i> , <b>2017</b> , 315, 298-312	2.7	83
341	Minimizing Kirchhoff index among graphs with a given vertex bipartiteness. <i>Applied Mathematics and Computation</i> , <b>2016</b> , 291, 84-88	2.7	81
340	Computing Zagreb Indices and Zagreb Polynomials for Symmetrical Nanotubes. <i>Symmetry</i> , <b>2018</b> , 10, 244	2.7	75
339	Remaining useful life estimation using an inverse Gaussian degradation model. <i>Neurocomputing</i> , <b>2016</b> , 185, 64-72	5.4	74
338	Valency-Based Topological Descriptors and Structural Property of the Generalized Sierpiński Networks. <i>Journal of Statistical Physics</i> , <b>2019</b> , 177, 1131-1147	1.5	68
337	Asymptotic Laplacian-energy-like invariant of lattices. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 253, 205-214	2.7	68
336	Zagreb Indices and Multiplicative Zagreb Indices of Eulerian Graphs. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , <b>2019</b> , 42, 67-78	1.2	68
335	LncRNA DANCER Promotes Lung Cancer by Sequestering miR-216a. <i>Cancer Control</i> , <b>2018</b> , 25, 10732748187698407	1.7	67
334	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
333	On the number of spanning trees and normalized Laplacian of linear octagonal-quadrilateral networks. <i>International Journal of Quantum Chemistry</i> , <b>2019</b> , 119, e25971	2.1	59
332	THE HOSOYA INDEX OF GRAPHS FORMED BY A FRACTAL GRAPH. <i>Fractals</i> , <b>2019</b> , 27, 1950135	3.2	58
331	Complete characterization of bicyclic graphs with minimal Kirchhoff index. <i>Discrete Applied Mathematics</i> , <b>2016</b> , 200, 95-107	1	52
330	Mostar indices of carbon nanostructures and circumscribed donut benzenoid systems. <i>International Journal of Quantum Chemistry</i> , <b>2019</b> , 119, e26043	2.1	44
329	Topological Indices and Their Applications to Circumscribed Donut Benzenoid Systems, Kekulenes and Drugs. <i>Polycyclic Aromatic Compounds</i> , <b>2020</b> , 40, 280-303	1.3	40

328	Computing First General Zagreb Index of Operations on Graphs. <i>IEEE Access</i> , <b>2019</b> , 7, 47494-47502	3.5	38
327	Valency-based topological descriptors of chemical networks and their applications. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 60, 164-178	4.5	36
326	Double Roman domination in trees. <i>Information Processing Letters</i> , <b>2018</b> , 134, 31-34	0.8	34
325	Further results on computation of topological indices of certain networks. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 2065-2071	2.5	33
324	Applications of Laplacian spectra for n-prism networks. <i>Neurocomputing</i> , <b>2016</b> , 198, 69-73	5.4	33
323	On degree resistance distance of cacti. <i>Discrete Applied Mathematics</i> , <b>2016</b> , 203, 217-225	1	32
322	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
321	Edge-Version Atom-Bond Connectivity and Geometric Arithmetic Indices of Generalized Bridge Molecular Graphs. <i>Symmetry</i> , <b>2018</b> , 10, 751	2.7	31
320	The normalized Laplacian, degree-Kirchhoff index and the spanning tree numbers of generalized phenylenes. <i>Discrete Applied Mathematics</i> , <b>2019</b> , 254, 256-267	1	30
319	Computing Metric Dimension of Certain Families of Toeplitz Graphs. <i>IEEE Access</i> , <b>2019</b> , 7, 126734-126743	3.5	28
318	The resistance distances of electrical networks based on Laplacian generalized inverse. <i>Neurocomputing</i> , <b>2015</b> , 167, 306-313	5.4	28
317	Computing Zagreb Indices of the Subdivision-Related Generalized Operations of Graphs. <i>IEEE Access</i> , <b>2019</b> , 7, 105479-105488	3.5	28
316	LncRNA PCAT-1 promotes tumour growth and chemoresistance of oesophageal cancer to cisplatin. <i>Cell Biochemistry and Function</i> , <b>2018</b> , 36, 27-33	4.2	27
315	Asymptotic incidence energy of lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2015</b> , 422, 193-202	3.3	27
314	Analytical expressions for topological properties of polycyclic benzenoid networks. <i>Journal of Chemometrics</i> , <b>2016</b> , 30, 682-697	1.6	26
313	On graphs with the maximum edge metric dimension. <i>Discrete Applied Mathematics</i> , <b>2019</b> , 257, 317-324	1	26
312	The Cartesian Product and Join Graphs on Edge-Version Atom-Bond Connectivity and Geometric Arithmetic Indices. <i>Molecules</i> , <b>2018</b> , 23,	4.8	26
311	Preventive effect of halofuginone on concanavalin A-induced liver fibrosis. <i>PLoS ONE</i> , <b>2013</b> , 8, e82232	3.7	24

310	Edge Version of Metric Dimension and Doubly Resolving Sets of the Necklace Graph. <i>Mathematics</i> , <b>2018</b> , 6, 243	2.3	24
309	Sharp upper bounds for multiplicative Zagreb indices of bipartite graphs with given diameter. <i>Discrete Applied Mathematics</i> , <b>2017</b> , 227, 156-165	1	23
308	Copper Oxide Nanoparticles Induce Enhanced Radiosensitizing Effect via Destructive Autophagy. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 1569-1579	5.5	23
307	On Some New Weighted Inequalities for Differentiable Exponentially Convex and Exponentially Quasi-Convex Functions with Applications. <i>Mathematics</i> , <b>2019</b> , 7, 727	2.3	23
306	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	2.1	23
305	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	3.8	22
304	On rainbow domination numbers of graphs. <i>Information Sciences</i> , <b>2014</b> , 254, 225-234	7.7	22
303	. <i>IEEE Access</i> , <b>2020</b> , 8, 172329-172342	3.5	22
302	Correlation between the Estrada index and electronic energies for benzenoid hydrocarbons with applications to boron nanotubes. <i>International Journal of Quantum Chemistry</i> , <b>2019</b> , 119, e26016	2.1	21
301	Eradication of Ebola Based on Dynamic Programming. <i>Computational and Mathematical Methods in Medicine</i> , <b>2016</b> , 2016, 1580917	2.8	21
300	M-Polynomials and Degree-Based Topological Indices of VC5C7[p,q] and HC5C7[p,q] Nanotubes. <i>IEEE Access</i> , <b>2019</b> , 7, 41125-41132	3.5	20
299	Fractional Metric Dimension of Generalized Jahangir Graph. <i>Mathematics</i> , <b>2019</b> , 7, 100	2.3	19
298	On the Total Double Roman Domination. <i>IEEE Access</i> , <b>2019</b> , 7, 52035-52041	3.5	19
297	Linear Wirelength of Folded Hypercubes. <i>Mathematics in Computer Science</i> , <b>2011</b> , 5, 101-111	0.5	19
296	On extremal multiplicative Zagreb indices of trees with given number of vertices of maximum degree. <i>Discrete Applied Mathematics</i> , <b>2017</b> , 227, 166-173	1	18
295	Multiplicative Topological Indices of Molecular Structure in Anticancer Drugs. <i>Polycyclic Aromatic Compounds</i> , <b>2020</b> , 1-14	1.3	18
294	The Metric Dimension of Some Generalized Petersen Graphs. <i>Discrete Dynamics in Nature and Society</i> , <b>2018</b> , 2018, 1-10	1.1	18
293	The Bounds of Vertex Padmakar-Ivan Index on k-Trees. <i>Mathematics</i> , <b>2019</b> , 7, 324	2.3	17

292	An Efficient Computational Technique for Degree and Distance Based Topological Descriptors With Applications. <i>IEEE Access</i> , <b>2019</b> , 7, 32276-32296	3.5	17
291	Acupuncture therapy for the treatment of stable angina pectoris: An updated meta-analysis of randomized controlled trials. <i>Complementary Therapies in Clinical Practice</i> , <b>2019</b> , 34, 247-253	3.5	17
290	Resolvability and fault-tolerant resolvability structures of convex polytopes. <i>Theoretical Computer Science</i> , <b>2019</b> , 796, 114-128	1.1	17
289	Local Fractional Metric Dimensions of Rotationally Symmetric and Planar Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 82404-82420	3.5	17
288	The $\{1\}$ -inverse of the Laplacian of subdivision-vertex and subdivision-edge coronae with applications. <i>Linear and Multilinear Algebra</i> , <b>2017</b> , 65, 178-191	0.7	16
287	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
286	Vertex cut method for degree and distance-based topological indices and its applications to silicate networks. <i>Journal of Mathematical Chemistry</i> , <b>2016</b> , 54, 1728-1747	2.1	16
285	On Mixed Metric Dimension of Rotationally Symmetric Graphs. <i>IEEE Access</i> , <b>2020</b> , 8, 11560-11569	3.5	16
284	On the Topological Properties of the Certain Neural Networks. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , <b>2018</b> , 8, 257-268	5.1	16
283	A Wiener process model with truncated normal distribution for reliability analysis. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 50, 333-346	4.5	15
282	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
281	Topological Properties of Crystallographic Structure of Molecules. <i>Symmetry</i> , <b>2018</b> , 10, 265	2.7	15
280	On extremal multiplicative Zagreb indices of trees with given domination number. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 332, 338-350	2.7	15
279	Kirchhoff index and degree Kirchhoff index of complete multipartite graphs. <i>Discrete Applied Mathematics</i> , <b>2017</b> , 232, 41-49	1	15
278	Zagreb Connection Numbers for Cellular Neural Networks. <i>Discrete Dynamics in Nature and Society</i> , <b>2020</b> , 2020, 1-8	1.1	15
277	Distance-based topological indices of nanosheets, nanotubes and nanotori of $(\text{hbox}\{\text{SiO}\}_2)$ . <i>Journal of Mathematical Chemistry</i> , <b>2019</b> , 57, 343-369	2.1	15
276	Molecular topological characterization of three classes of polycyclic aromatic hydrocarbons. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1229, 129501	3.4	15
275	Discharging Approach for Double Roman Domination in Graphs. <i>IEEE Access</i> , <b>2018</b> , 6, 63345-63351	3.5	15

- 274 An adaptive membrane algorithm for solving combinatorial optimization problems. *Acta Mathematica Scientia*, **2014**, 34, 1377-1394 0.7 14
- 273 A note on some physical and chemical indices of clique-inserted lattices. *Journal of Statistical Mechanics: Theory and Experiment*, **2014**, 2014, P06006 1.9 14
- 272 Computing the Laplacian Spectrum of Linear Octagonal-Quadrilateral Networks and Its Applications. *Polycyclic Aromatic Compounds*, **2020**, 1-12 1.3 14
- 271 Quantitative structural descriptors of sodalite materials. *Journal of Molecular Structure*, **2021**, 1223, 128366 3.4 14
- 270 Network Coherence Analysis on a Family of Nested Weighted n-Polygon Networks. *Fractals*, 3.2 14
- 269 Reformulated Zagreb Indices of Some Derived Graphs. *Mathematics*, **2019**, 7, 366 2.3 13
- 268 Endothelial PAS domain-containing protein 1 confers TKI-resistance by mediating EGFR and MET pathways in non-small cell lung cancer cells. *Cancer Biology and Therapy*, **2015**, 16, 549-57 4.6 13
- 267 Bounds on the partition dimension of convex polytopes. *Combinatorial Chemistry and High Throughput Screening*, **2020**, 1.3 13
- 266 Valency-Based Molecular Descriptors for Measuring the Electronic Energy of Lower Polycyclic Aromatic Hydrocarbons. *Polycyclic Aromatic Compounds*, 1-17 1.3 13
- 265 Computing Analysis for First Zagreb Connection Index and Coindex of Resultant Graphs. *Mathematical Problems in Engineering*, **2021**, 2021, 1-19 1.1 13
- 264 A Review of Artificial Intelligence (AI) in Education from 2010 to 2020. *Complexity*, **2021**, 2021, 1-18 1.6 13
- 263 The Laplacian polynomial and Kirchhoff index of graphs based on R-graphs. *Neurocomputing*, **2016**, 177, 441-446 5.4 13
- 262 On 2-rainbow domination of generalized Petersen graphs. *Discrete Applied Mathematics*, **2019**, 257, 370-384 13
- 261 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 13
- 260 On Metric Dimension in Some Hex Derived Networks. *Sensors*, **2018**, 19, 3.8 12
- 259 Sharp Bounds of the Hyper-Zagreb Index on Acyclic, Unicyclic, and Bicyclic Graphs. *Discrete Dynamics in Nature and Society*, **2017**, 2017, 1-5 1.1 12
- 258 On GrBs inequalities within generalized K-fractional integrals. *Advances in Difference Equations*, **2020**, 2020, 3.6 12
- 257 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 1.8 12

256	Quality testing of distance-based molecular descriptors for benzenoid hydrocarbons. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1222, 128927	3.4	12
255	On Distance-Based Topological Descriptors of Chemical Interconnection Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-10	1.2	12
254	Synthesis, photocatalytic, optical, electronic and biological properties of the CoS <sub>2</sub> @CuS on cellulose nanocomposites as novel nano catalyst by a sonochemical technology. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 18531-18539	2.1	12
253	Computing Degree Based Topological Properties of Third Type of Hex-Derived Networks. <i>Mathematics</i> , <b>2019</b> , 7, 368	2.3	11
252	Degradation Data Analysis Using a Wiener Degradation Model With Three-Source Uncertainties. <i>IEEE Access</i> , <b>2019</b> , 7, 37896-37907	3.5	11
251	On Topological Indices of mth Chain Hex-Derived Network of Third Type. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	11
250	Hyper-Wiener and Wiener polarity indices of silicate and oxide frameworks. <i>Journal of Mathematical Chemistry</i> , <b>2018</b> , 56, 1493-1510	2.1	11
249	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> , <b>2018</b> , 48, 1213-1220	2.6	11
248	Number of Spanning Trees in the Sequence of Some Graphs. <i>Complexity</i> , <b>2019</b> , 2019, 1-22	1.6	11
247	Semitotal Domination in Claw-Free Cubic Graphs. <i>Graphs and Combinatorics</i> , <b>2017</b> , 33, 1119-1130	0.5	11
246	On the maximum ABC index of bipartite graphs without pendent vertices. <i>Open Chemistry</i> , <b>2020</b> , 18, 39-49	1.6	11
245	On Computation of Entropy of Hex-Derived Network. <i>Complexity</i> , <b>2021</b> , 2021, 1-18	1.6	11
244	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
243	Linear layout of locally twisted cubes. <i>International Journal of Computer Mathematics</i> , <b>2017</b> , 94, 56-65	1.2	10
242	On the Certain Topological Indices of Titania Nanotube TiO <sub>2</sub> [m, n]. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2017</b> , 72, 647-654	1.4	10
241	Total-Szeged Index of C <sub>4</sub> -Nanotubes, C <sub>4</sub> -Nanotori and Dendrimer Nanostars. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2013</b> , 10, 405-411	0.3	10
240	On Partition Dimension of Some Cycle-Related Graphs. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-8	1.1	10
239	Weak {2}-domination number of Cartesian products of cycles. <i>Journal of Combinatorial Optimization</i> , <b>2018</b> , 35, 75-85	0.9	10



238	On secure domination in trees. <i>Quaestiones Mathematicae</i> , <b>2017</b> , 40, 1-12	0.6	9
237	Ultrasound-aasisted photodegradation of Alprazolam in aqueous media using a novel high performance nanocomposite hybridation g-C <sub>3</sub> N <sub>4</sub> /MWCNT/ZnO. <i>Catalysis Today</i> , <b>2019</b> , 335, 582-590	5.3	9
236	Statistics and Calculation of Entropy of Dominating David Derived Networks. <i>Complexity</i> , <b>2021</b> , 2021, 1-15	1.6	9
235	Computational Complexity of Outer-Independent Total and Total Roman Domination Numbers in Trees. <i>IEEE Access</i> , <b>2018</b> , 6, 35544-35550	3.5	9
234	The Double Roman Domination Numbers of Generalized Petersen Graphs P(n, 2). <i>Mathematics</i> , <b>2018</b> , 6, 206	2.3	9
233	Topological Aspects of Boron Nanotubes. <i>Advances in Materials Science and Engineering</i> , <b>2018</b> , 2018, 1-11	1.5	9
232	Partition dimension of certain classes of series parallel graphs. <i>Theoretical Computer Science</i> , <b>2019</b> , 778, 47-60	1.1	8
231	Outer-Independent Italian Domination in Graphs. <i>IEEE Access</i> , <b>2019</b> , 7, 22756-22762	3.5	8
230	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
229	Topological Indices of Certain Transformed Chemical Structures. <i>Journal of Chemistry</i> , <b>2020</b> , 2020, 1-7	2.3	8
228	Topological Properties of Four-Layered Neural Networks. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , <b>2019</b> , 9, 111-122	5.1	8
227	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
226	The Kirchhoff index and spanning trees of MBius/cylinder octagonal chain. <i>Discrete Applied Mathematics</i> , <b>2022</b> , 307, 22-31	1	8
225	Connectivity and Wiener Index of Fuzzy Incidence Graphs. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-7	1.1	8
224	Global Dynamics of an SIQR Model with Vaccination and Elimination Hybrid Strategies. <i>Mathematics</i> , <b>2018</b> , 6, 328	2.3	8
223	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
222	Sharp Bounds for the General Sum-Connectivity Indices of Transformation Graphs. <i>Discrete Dynamics in Nature and Society</i> , <b>2017</b> , 2017, 1-7	1.1	7
221	On the signed Roman-domination: Complexity and thin torus graphs. <i>Discrete Applied Mathematics</i> , <b>2017</b> , 233, 175-186	1	7



220	Embedding hypercubes and folded hypercubes onto Cartesian product of certain trees. <i>Discrete Optimization</i> , <b>2015</b> , 17, 1-13	1	7
219	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
218	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
217	Research on Evolutionary Mechanism of Agile Supply Chain Network via Complex Network Theory. <i>Mathematical Problems in Engineering</i> , <b>2016</b> , 2016, 1-9	1.1	7
216	Topological Characterization of the Full k-Subdivision of a Family of Partial Cubes and Their Applications to $\mathbb{H}$ -Types of Novel Graphyne and Graphdiyne Materials. <i>Polycyclic Aromatic Compounds</i> , <b>2019</b> , 1-23	1.3	7
215	M-Polynomial and Degree-Based Molecular Descriptors of Certain Classes of Benzenoid Systems. <i>Polycyclic Aromatic Compounds</i> , 1-30	1.3	7
214	Maximizing and Minimizing Multiplicative Zagreb Indices of Graphs Subject to Given Number of Cut Edges. <i>Mathematics</i> , <b>2018</b> , 6, 227	2.3	7
213	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
212	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
211	On certain topological indices of octahedral and icosahedral networks. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 215-220	2.5	6
210	Techno-economic evaluation of biomass-to-synthesis gas (BtS) based on gasification. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2018</b> , 13, 83-90	3.1	6
209	Some Properties on Estrada Index of Folded Hypercubes Networks. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-6	0.7	6
208	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
207	Connective Eccentric Index of NANm Nanotube. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2017</b> , 14, 1832-1836	0.3	6
206	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
205	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
204	The Vertex-Edge Resolvability of Some Wheel-Related Graphs. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-16	1.2	6
203	Mesosopic 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> , <b>2019</b> , 29, 2822-2839	4.5	6

202	Structures of power digraphs over the congruence equation $x^a \equiv y; (\text{mod}; m)$ and enumerations. <i>AIMS Mathematics</i> , <b>2021</b> , 6, 4581-4596	2.2	6
201	The Complexity of Some Classes of Pyramid Graphs Created from a Gear Graph. <i>Symmetry</i> , <b>2018</b> , 10, 689	2.7	6
200	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
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	Robust H $\infty$ Control For Uncertain Singular Neutral Time-Delay Systems. <i>Mathematics</i> , <b>2019</b> , 7, 217	2.3	5
197	Topological Indices of mth Chain Silicate Graphs. <i>Mathematics</i> , <b>2019</b> , 7, 42	2.3	5
196	A novel approach to speed up ant colony algorithm via applying vertex coloring. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , <b>2018</b> , 33, 608-617	1	5
195	Computing three topological indices for Titania nanotubes Peer review under responsibility of Kalasalingam University.View all notes. <i>AKCE International Journal of Graphs and Combinatorics</i> , <b>2016</b> , 13, 255-260	0.5	5
194	Maximum Resistance-Harary index of cacti. <i>Discrete Applied Mathematics</i> , <b>2018</b> , 251, 160-170	1	5
193	Resistance Distance and Kirchhoff Index of $Q_n$ -Double Join Graphs. <i>IEEE Access</i> , <b>2019</b> , 7, 102313-102320	2.5	5
192	L(2,1)-labeling of the strong product of paths and cycles. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 741932	2.2	5
191	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
190	Molecular structural characterization of superphenalene and supertriphenylene. <i>International Journal of Quantum Chemistry</i> , <b>2022</b> , 122, e26818	2.1	5
189	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
188	On m-polar Diophantine Fuzzy N-soft set with Applications. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2020</b> ,	1.3	5
187	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
186	Wirelength of embedding complete multipartite graphs into certain graphs. <i>Discrete Applied Mathematics</i> , <b>2020</b> , 280, 221-236	1	5
185	Fast Approach for Analysis Windows Computation of Multiwindow Discrete Gabor Transform. <i>IEEE Access</i> , <b>2018</b> , 6, 45681-45689	3.5	5

184	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
183	Topological indices of the subdivision of a family of partial cubes and computation of $(hbox \{SiO\}_2)$ related structures. <i>Journal of Mathematical Chemistry</i> , <b>2019</b> , 57, 1868-1883	2.1	4
182	Distance Degree Index of Some Derived Graphs. <i>Mathematics</i> , <b>2019</b> , 7, 283	2.3	4
181	(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
180	Fuel gas production from asphaltene and recycled polyethylene. <i>Petroleum Science and Technology</i> , <b>2020</b> , 38, 428-431	1.4	4
179	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
178	Structure Properties of Koch Networks Based on Networks Dynamical Systems. <i>Complexity</i> , <b>2017</b> , 2017, 1-7	1.6	4
177	A new result on lifetime estimation based on skew-Wiener degradation model. <i>Statistics and Probability Letters</i> , <b>2018</b> , 138, 157-164	0.6	4
176	Acyclic 3-coloring of generalized Petersen graphs. <i>Journal of Combinatorial Optimization</i> , <b>2016</b> , 31, 902-914	1.1	4
175	Variants of the Szeged index in certain chemical nanosheets. <i>Canadian Journal of Chemistry</i> , <b>2016</b> , 94, 608-619	0.9	4
174	The Domination Complexity and Related Extremal Values of Large 3D Torus. <i>Complexity</i> , <b>2018</b> , 2018, 1-8	1.6	4
173	Molecular Properties of Symmetrical Networks Using Topological Polynomials. <i>Open Chemistry</i> , <b>2019</b> , 17, 849-864	1.6	4
172	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
171	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
170	Trees with equal total domination and 2-rainbow domination numbers. <i>Filomat</i> , <b>2018</b> , 32, 599-607	0.7	4
169	Performance evaluation of emergency logistics capability for public health emergencies:perspective of COVID-19. <i>International Journal of Logistics Research and Applications</i> , <b>2020</b> , 1-14	3.8	4
168	General Randić Sum-Connectivity, Hyper-Zagreb and Harmonic Indices, and Harmonic Polynomial of Molecular Graphs. <i>Advances in Physical Chemistry</i> , <b>2016</b> , 2016, 1-6		4
167	Vertex decomposition method for wirelength problem and its applications to enhanced hypercube networks. <i>IET Computers and Digital Techniques</i> , <b>2019</b> , 13, 87-92	0.9	4

166	Double Roman Graphs in $P(3k, k)$ . <i>Mathematics</i> , <b>2021</b> , 9, 336	2.3	4
165	Some topological properties of uniform subdivision of Sierpiński graphs. <i>Main Group Metal Chemistry</i> , <b>2021</b> , 44, 218-227	1.6	4
164	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
163	On Generalized Topological Indices of Silicon-Carbon. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-21	1.2	3
162	Stability results for the linear degenerate fractional differential system. <i>Advances in Difference Equations</i> , <b>2016</b> , 2016,	3.6	3
161	Computing Edge-Weight Bounds of Antimagic Labeling on a Class of Trees. <i>IEEE Access</i> , <b>2019</b> , 7, 93375-93386	3.3	3
160	Theoretical and Computational Methods to Resistance Distances in Novel Graphs Operations. <i>IEEE Access</i> , <b>2019</b> , 7, 107908-107916	3.5	3
159	On the Incidence Energy of Some Toroidal Lattices. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-6	0.7	3
158	On Certain Topological Indices of the Line Graph of $CNC_k[n]$ Nanocones. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 4318-4322	0.3	3
157	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
156	Mixed domination and 2-independence in trees. <i>AIMS Mathematics</i> , <b>2020</b> , 5, 5564-5570	2.2	3
155	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
154	Topological index analysis of a class of networks analogous to alicyclic hydrocarbons and their derivatives. <i>International Journal of Quantum Chemistry</i> , <b>2020</b> , 26827	2.1	3
153	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
152	Partition Dimension of Generalized Petersen Graph. <i>Complexity</i> , <b>2021</b> , 2021, 1-14	1.6	3
151	On Computation Degree-Based Topological Descriptors for Planar Octahedron Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-12	1.2	3
150	Bounds on General Randić Index for F-Sum Graphs. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-17	1.2	3
149	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

148	Computing FGZ Index of Sum Graphs under Strong Product. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-16	1.2	3
147	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
146	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
145	Relativistic structural characterization of molybdenum and tungsten disulfide materials. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26492	2.1	3
144	Hamilton Connectivity of Convex Polytopes with Applications to Their Detour Index. <i>Complexity</i> , <b>2021</b> , 2021, 1-23	1.6	3
143	On Degree-Based Topological Indices of Symmetric Chemical Structures. <i>Symmetry</i> , <b>2018</b> , 10, 619	2.7	3
142	The delta-shock wave for the two variables of a class of Temple system. <i>Advances in Difference Equations</i> , <b>2018</b> , 2018,	3.6	3
141	Resistance Distance and Kirchhoff Index of the Corona-Vertex and the Corona-Edge of Subdivision Graph. <i>IEEE Access</i> , <b>2018</b> , 6, 55673-55679	3.5	3
140	Resistance Distance in H-Join of Graphs $G_1, G_2, \dots, G_k$ . <i>Mathematics</i> , <b>2018</b> , 6, 283	2.3	3
139	Multiset and Mixed Metric Dimension for Starphene and Zigzag-Edge Coronoid. <i>Polycyclic Aromatic Compounds</i> , 1-15	1.3	3
138	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
137	Frequency assignment problem in networks with limited spectrum. <i>Central European Journal of Operations Research</i> , <b>2017</b> , 25, 699-723	2.2	2
136	Analysis of SC5C7p,q and NPHXp,q Nanotubes via Topological Indices. <i>Journal of Nanomaterials</i> , <b>2019</b> , 2019, 1-10	3.2	2
135	Distance and Adjacency Energies of Multi-Level Wheel Networks. <i>Mathematics</i> , <b>2019</b> , 7, 43	2.3	2
134	Resistance Distance in the Double Corona Based on R-Graph. <i>Mathematics</i> , <b>2019</b> , 7, 92	2.3	2
133	Eccentric Connectivity Index of t-Polyacenic Nanotubes. <i>Advances in Materials Science and Engineering</i> , <b>2019</b> , 2019, 1-9	1.5	2
132	k-Rainbow Domination Number of $P_3 \times P_n$ . <i>Mathematics</i> , <b>2019</b> , 7, 203	2.3	2
131	Synchronization analysis of coupled calcium oscillators based on two regular coupling schemes. <i>Neurocomputing</i> , <b>2015</b> , 165, 126-132	5.4	2

130	(L(2,1))-labeling for brick product graphs. <i>Journal of Combinatorial Optimization</i> , <b>2016</b> , 31, 447-462	0.9	2
129	On the A-Spectral Radii of Cactus Graphs. <i>Mathematics</i> , <b>2020</b> , 8, 869	2.3	2
128	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
127	Techno-economic analysis of biomass-to-biomethanol (BtS) via low-temperature steam gasification. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2018</b> , 13, 91-95	3.1	2
126	Outer-independent k-rainbow domination. <i>Journal of Taibah University for Science</i> , <b>2019</b> , 13, 883-891	3	2
125	Node set optimization problem for complete Josephus cubes. <i>Journal of Combinatorial Optimization</i> , <b>2019</b> , 38, 1180-1195	0.9	2
124	On Extended Adjacency Index with respect to Acyclic, Unicyclic and Bicyclic Graphs. <i>Mathematics</i> , <b>2019</b> , 7, 652	2.3	2
123	Embedding of hypercubes into sibling trees. <i>Discrete Applied Mathematics</i> , <b>2014</b> , 169, 9-14	1	2
122	Local colourings of Cartesian product graphs. <i>International Journal of Computer Mathematics</i> , <b>2015</b> , 92, 694-699	1.2	2
121	The Kirchhoff Index of Toroidal Meshes and Variant Networks. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-8	1.1	2
120	Set-coloring of Edges and Multigraph Ramsey Numbers. <i>Graphs and Combinatorics</i> , <b>2009</b> , 25, 863-870	0.5	2
119	Zagreb Indices of Semi-Total(Total) Block Graphs of Bridge and Chain Graphs. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2017</b> , 14, 2777-2780	0.3	2
118	Theoretical Study of Ability of Boron Nitride Nanocone to Oxidation of Sulfur Monoxide. <i>Acta Chimica Slovenica</i> , <b>2018</b> , 65, 296-302	1.9	2
117	Sharp Bounds of First Zagreb Coindex for F-Sum Graphs. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-19	1.2	2
116	Topological Co-indices of Hydroxyethyl Starch Conjugated with Hydroxychloroquine Used for COVID-19 Treatment. <i>Polycyclic Aromatic Compounds</i> , 1-13	1.3	2
115	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
114	Degree-Based Indices of Some Complex Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-16	1.2	2
113	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

112	Face index of nanotubes and regular hexagonal lattices. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26761	2.1	2
111	Further Results on Resistance Distance and Kirchhoff Index in Electric Networks. <i>Discrete Dynamics in Nature and Society</i> , <b>2016</b> , 2016, 1-9	1.1	2
110	More Results on the Domination Number of Cartesian Product of Two Directed Cycles. <i>Mathematics</i> , <b>2019</b> , 7, 210	2.3	2
109	Energy and economic aspects of synthesis gas production from oil sludge and plastic waste. <i>Petroleum Science and Technology</i> , <b>2019</b> , 37, 430-435	1.4	2
108	Ordering trees by their ABC spectral radii. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26519	2.1	2
107	Polynomials and General Degree-Based Topological Indices of Generalized Sierpinski Networks. <i>Complexity</i> , <b>2021</b> , 2021, 1-10	1.6	2
106	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
105	Vertex Labeling and Routing for Farey-Type Symmetrically-Structured Graphs. <i>Symmetry</i> , <b>2018</b> , 10, 407	2.7	2
104	Effective Approach to Calculate Analysis Window in Infinite Discrete Gabor Transform. <i>Complexity</i> , <b>2018</b> , 2018, 1-10	1.6	2
103	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
102	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
101	M-polynomial and topological indices of some transformed networks. <i>AIMS Mathematics</i> , <b>2021</b> , 6, 13887-13906	2.1	2
100	A Novel and Efficient Method for Computing the Resistance Distance. <i>IEEE Access</i> , <b>2021</b> , 9, 107104-107119	1.9	2
99	M-Polynomial and Imbalance-Based Irregularity Indices of Smart Polymers SP[n]. <i>Polycyclic Aromatic Compounds</i> , 1-12	1.3	2
98	A note on uniquely 3-colourable planar graphs. <i>International Journal of Computer Mathematics</i> , <b>2017</b> , 94, 1028-1035	1.2	1
97	Economic feasibility study of hydrogen production from biomass gasification for PEM fuel cell applications. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 659-664	3.1	1
96	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> , <b>2017</b> , 12, 654-658	3.1	1
95	Wirelength of Enhanced Hypercube into Windmill and Necklace Graphs. <i>Mathematics</i> , <b>2019</b> , 7, 383	2.3	1



94	Conjectures on wirelength of hypercube into cylinder and torus. <i>Theoretical Computer Science</i> , <b>2015</b> , 595, 168-171	1.1	1
93	The total bondage numbers and efficient total dominations of vertex-transitive graphs. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 332, 35-41	2.7	1
92	Tight Bounds on 1-Harmonious Coloring of Certain Graphs. <i>Symmetry</i> , <b>2019</b> , 11, 917	2.7	1
91	Set-Valued Haezendonck-Goovaerts Risk Measure and Its Properties. <i>Discrete Dynamics in Nature and Society</i> , <b>2017</b> , 2017, 1-7	1.1	1
90	The Kirchhoff Index of Some Combinatorial Networks. <i>Discrete Dynamics in Nature and Society</i> , <b>2015</b> , 2015, 1-6	1.1	1
89	On Topological Properties of Planar Octahedron Networks. <i>Polycyclic Aromatic Compounds</i> , 1-17	1.3	1
88	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
87	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
86	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
85	Zagreb Indices and Zagreb Polynomials of an Infinite Class of Dendrimer Nanostars. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 9136-9139	0.3	1
84	On Certain Topological Indices of TUC5C8 Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 9158-9161	0.3	1
83	Four New/Old Vertex-Degree-Based Topological Indices of HAC5C7[p, q] and HAC5C6C7[p, q] Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2017</b> , 14, 796-799	0.3	1
82	On minimum algebraic connectivity of graphs whose complements are bicyclic. <i>Open Mathematics</i> , <b>2019</b> , 17, 1490-1502	0.8	1
81	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
80	Two Classes of Infrasoftware Separation Axioms. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-10	1.2	1
79	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
78	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
77	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

76	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
75	Wiener and Hyper-Wiener Indices of Polygonal Cylinder and Torus. <i>Complexity</i> , <b>2021</b> , 2021, 1-15	1.6	1
74	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
73	The Laplacian-Energy-Like Invariants of Three Types of Lattices. <i>Journal of Analytical Methods in Chemistry</i> , <b>2016</b> , 2016, 7320107	2	1
72	Asymptotic behavior of Laplacian-energy-like invariant of the 3.6.24 lattice with various boundary conditions. <i>SpringerPlus</i> , <b>2016</b> , 5, 1415		1
71	Stanley Depth of Edge Ideals of Some Wheel-Related Graphs. <i>Mathematics</i> , <b>2019</b> , 7, 202	2.3	1
70	Computational Analysis of Imbalance-Based Irregularity Indices of Boron Nanotubes. <i>Processes</i> , <b>2019</b> , 7, 678	2.9	1
69	The Sanskruti index of trees and unicyclic graphs. <i>Open Chemistry</i> , <b>2019</b> , 17, 448-455	1.6	1
68	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
67	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
66	A Theoretical Examination of the Antioxidant Activity of $NH_2$ , OMe, and tert-Butyl Sesamol Derivatives and Their Drug Delivery with C60 Nanocage. <i>Russian Journal of Physical Chemistry A</i> , <b>2018</b> , 92, 2757-2760	0.7	1
65	An Efficient Method of Generating Deterministic Small-World and Scale-Free Graphs for Simulating Real-World Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 59833-59842	3.5	1
64	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
63	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
62	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
61	Exact Formulae for Degree Distance Indices of Sum Graphs. <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-16	1.2	1
60	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
59	Some Metrical Properties of Lattice Graphs of Finite Groups. <i>Mathematics</i> , <b>2019</b> , 7, 398	2.3	0

58	Further Results on the Resistance-Harary Index of Unicyclic Graphs. <i>Mathematics</i> , <b>2019</b> , 7, 201	2.3	o
57	Global Asymptotical Stability Analysis for Fractional Neural Networks with Time-Varying Delays. <i>Mathematics</i> , <b>2019</b> , 7, 138	2.3	o
56	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	o
55	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	o
54	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	o
53	The Calculations of Topological Indices on Certain Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-12	1.2	o
52	The Extremal Graphs of Some Topological Indices with Given Vertex k-Partiteness. <i>Mathematics</i> , <b>2018</b> , 6, 271	2.3	o
51	Topological Properties of Concealed Non-Kekulean Benzenoid Hydrocarbon. <i>Polycyclic Aromatic Compounds</i> , 1-12	1.3	o
50	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	o
49	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	o
48	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	
47	Graphs having extremal monotonic topological indices with bounded vertex k-partiteness. <i>Journal of Applied Mathematics and Computing</i> , <b>2018</b> , 58, 413-432	1.8	
46	Further results on monotonic graph invariants and bipartiteness number. <i>Quaestiones Mathematicae</i> , <b>2019</b> , 42, 533-549	0.6	
45	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	
44	On the L(2, 1)-labeling conjecture for brick product graphs. <i>Journal of Combinatorial Optimization</i> , <b>2017</b> , 34, 706-724	0.9	
43	Experimental Research on Aerated Supercavitation Suppression of Capillary Outlet Throttling Noise. <i>Complexity</i> , <b>2022</b> , 2022, 1-11	1.6	
42	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	
41	Some Resolving Parameters in a Class of Cayley Graphs. <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-5	1.2	

40	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
39	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
38	Some topological indices of dendrimers determined by their Banhatti polynomials. <i>Heterocyclic Communications</i> , <b>2020</b> , 26, 99-111	1.7
37	On the Laplacians for Strong Product Graphs Based on Polyacene Graphs. <i>Polycyclic Aromatic Compounds</i> , 1-15	1.3
36	Topological Study of Polycyclic Silicon Carbide Structure. <i>Polycyclic Aromatic Compounds</i> , 1-12	1.3
35	The Normalized Laplacians, Degree-Kirchhoff Index, and the Complexity of MBius Graph of Linear Octagonal-Quadrilateral Networks. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-25	1.2
34	A Family of Integer-Point Ternary Parametric Subdivision Schemes. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-10	1.2
33	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
32	Generators of Maximal Subgroups of Harada-Norton and some Linear Groups. <i>Open Chemistry</i> , <b>2019</b> , 17, 1509-1518	1.6
31	On the Number of Conjugate Classes of Derangements. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-20	1.2
30	Characterization of the Congestion Lemma on Layout Computation. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-5	1.2
29	Sharp upper bounds of $A_\alpha$ -spectral radius of cacti with given pendant vertices 1-8	0
28	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
27	On Double Domination Numbers of Generalized Petersen Graphs. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 6514-6518	0.3
26	On Some Degree-Based Topological Indices of Line Graphs of $TiO_2[m, n]$ Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 9131-9135	0.3
25	Computing a Closed Formula of the Wiener Index of the Polycyclic Aromatic Hydrocarbons PAH <sub>k</sub> by Using the Cut Method. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2017</b> , 14, 3636-3640	0.3
24	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
23	Complete Characterization of Resistance Distance for Linear Octagonal Networks. <i>Complexity</i> , <b>2020</b> , 2020, 1-13	1.6

- 22 Higher Order of Convergence with Multivalued Contraction Mappings. *Journal of Mathematics*, **2020**, 2020, 1-8 1.2
- 21 Recurrence Relations and Hilbert Series of the Monoid Associated with Star Topology. *Journal of Mathematics*, **2020**, 2020, 1-6 1.2
- 20 An Implementation of Lipschitz Simple Functions in Computer Algebra System Singular. *Complexity*, **2021**, 2021, 1-5 1.6
- 19 Some Chemistry Indices of Clique-Inserted Graph of a Strongly Regular Graph. *Complexity*, **2021**, 2021, 1-6 1.6
- 18 Some New Applications of Weakly H-Embedded Subgroups of Finite Groups. *Mathematics*, **2019**, 7, 158 2.3
- 17 A special class of triple starlike trees characterized by Laplacian spectrum. *AIMS Mathematics*, **2021**, 6, 4394-4403 2.2
- 16 On the Sanskruti Index of Certain Silicate and Its Derived Structures. *Lecture Notes in Electrical Engineering*, **2021**, 991-1006 0.2
- 15 On investigations of graphs preserving the Wiener index upon vertex removal. *AIMS Mathematics*, **2021**, 6, 12976-12985 2.2
- 14 Some Algebraic Properties of a Class of Integral Graphs Determined by Their Spectrum. *Journal of Mathematics*, **2021**, 2021, 1-5 1.2
- 13 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
- 12 Maximum DetourHarary Index for Some Graph Classes. *Symmetry*, **2018**, 10, 608 2.7
- 11 Estimates for the Norm of Generalized Maximal Operator on Strong Product of Graphs. *Mathematical Problems in Engineering*, **2021**, 2021, 1-9 1.1
- 10 Optimal Intersection Curves for Surfaces. *Journal of Mathematics*, **2021**, 2021, 1-9 1.2
- 9  $k, l$ -Anonymity in Wheel-Related Social Graphs Measured on the Base of  $k$ -Metric Antidimension. *Journal of Mathematics*, **2021**, 2021, 1-13 1.2
- 8 Second Zagreb and Sigma Indices of Semi and Total Transformations of Graphs. *Complexity*, **2021**, 2021, 1-15 1.6
- 7 Several Topological Indices of Two Kinds of Tetrahedral Networks. *Journal of Mathematics*, **2021**, 2021, 1-10 1.2
- 6 On Computation of Degree-Based Entropy of Planar Octahedron Networks. *Journal of Function Spaces*, **2022**, 2022, 1-9 0.8
- 5 The Family of Multiparameter Quaternary Subdivision Schemes. *Journal of Mathematics*, **2021**, 2021, 1-12 1.2

4	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
3	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
2	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
1	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