On general sum-connectivity index

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Citation Report

#	Article	IF	CITATIONS
1	Minimum general sum-connectivity index of unicyclic graphs. Journal of Mathematical Chemistry, 2010, 48, 697-703.	1.5	50
2	On ordinary generalized geometric–arithmetic index. Applied Mathematics Letters, 2011, 24, 582-587.	2.7	17
3	A general modeling of some vertex-degree based topological indices in benzenoid systems and phenylenes. Computers and Mathematics With Applications, 2011, 61, 3017-3023.	2.7	59
4	On the general sum-connectivity index of trees. Applied Mathematics Letters, 2011, 24, 402-405.	2.7	51
5	On the sum-connectivity index of cacti. Mathematical and Computer Modelling, 2011, 54, 497-507.	2.0	13
6	Progress in general sum-connectivity index. , 2011, , .		0
7	The harmonic index for graphs. Applied Mathematics Letters, 2012, 25, 561-566.	2.7	200
8	On the harmonic index and the chromatic number of a graph. Discrete Applied Mathematics, 2013, 161, 2740-2744.	0.9	48
9	A survey of Nordhaus–Gaddum type relations. Discrete Applied Mathematics, 2013, 161, 466-546.	0.9	120
10	Fourth order connectivity index of polyphenylene dendrimers. , 2013, , .		0
10	Fourth order connectivity index of polyphenylene dendrimers. , 2013, , . The Harmonic Indices of Polyomino Chains. The National Academy of Sciences, India, 2014, 37, 451-455.	1.3	0
		1.3	
11	The Harmonic Indices of Polyomino Chains. The National Academy of Sciences, India, 2014, 37, 451-455.		4
11 12	The Harmonic Indices of Polyomino Chains. The National Academy of Sciences, India, 2014, 37, 451-455. Functions on adjacent vertex degrees of trees with given degree sequence. Open Mathematics, 2014, 12, 2-Connected graphs with minimum general sum-connectivity index. Discrete Applied Mathematics, 2014, 178, 135-141. Unicyclic graphs of given girth <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">altimg="sil.gif" display="inline" overflow="scroll"><mml:mi> <mml:mo> a‰Y</mml:mo> <mml:mo> 4 </mml:mo></mml:mi></mml:math>	1.0	4
11 12 13	The Harmonic Indices of Polyomino Chains. The National Academy of Sciences, India, 2014, 37, 451-455. Functions on adjacent vertex degrees of trees with given degree sequence. Open Mathematics, 2014, 12, 2-Connected graphs with minimum general sum-connectivity index. Discrete Applied Mathematics, 2014, 178, 135-141. Unicyclic graphs of given girth <mml:math <="" altimg="sil.gif" display="inline" td="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><td>1.0 0.9</td><td>4 5 9</td></mml:math>	1.0 0.9	4 5 9
11 12 13 14	The Harmonic Indices of Polyomino Chains. The National Academy of Sciences, India, 2014, 37, 451-455. Functions on adjacent vertex degrees of trees with given degree sequence. Open Mathematics, 2014, 12, 2-Connected graphs with minimum general sum-connectivity index. Discrete Applied Mathematics, 2014, 178, 135-141. Unicyclic graphs of given girth <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>k≥cmml:mo>4</mml:mi></mml:math> having smallest general sum-connectivity index. Discrete Applied Mathematics, 2014, 164, 344-348.	1.0 0.9 0.9	4 5 9 16
11 12 13 14 15	The Harmonic Indices of Polyomino Chains. The National Academy of Sciences, India, 2014, 37, 451-455. Functions on adjacent vertex degrees of trees with given degree sequence. Open Mathematics, 2014, 12, 2-Connected graphs with minimum general sum-connectivity index. Discrete Applied Mathematics, 2014, 178, 135-141. Unicyclic graphs of given girth <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">altimg="sil.gif" display="inline" overflow="scroll"><mml:mi>k</mml:mi><mml:mo>≥</mml:mo><mml:mn>4</mml:mn></mml:math> having smallest general sum-connectivity index. Discrete Applied Mathematics, 2014, 164, 344-348. Computation of Topological Indices of Graphene. Journal of Nanomaterials, 2015, 2015, 1-8.	1.0 0.9 0.9	4 5 9 16 17

#	Article	IF	CITATIONS
19	Extremal values on the harmonic number of trees. International Journal of Computer Mathematics, 2015, 92, 2036-2050.	1.8	1
20	On the general sum-connectivity index of connected unicyclic graphs with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>k</mml:mi> pendant vertices. Discrete Applied Mathematics, 2015. 181. 306-309.</mml:math 	0.9	14
21	A unified linear-programming modeling of some topological indices. Journal of Combinatorial Optimization, 2015, 30, 826-837.	1.3	11
22	General Randić, Sum-Connectivity, Hyper-Zagreb and Harmonic Indices, and Harmonic Polynomial of Molecular Graphs. Advances in Physical Chemistry, 2016, 2016, 1-6.	2.0	6
23	Topological Indices Study of Molecular Structure in Anticancer Drugs. Journal of Chemistry, 2016, 2016, 1-8.	1.9	89
24	The sharp bounds on general sum-connectivity index of four operations on graphs. Journal of Inequalities and Applications, 2016, 2016, .	1.1	22
25	On molecular topological properties of benzenoid structures. Canadian Journal of Chemistry, 2016, 94, 687-698.	1.1	29
26	Computing three topological indices for Titania nanotubes. AKCE International Journal of Graphs and Combinatorics, 2016, 13, 255-260.	0.7	8
27	Some results on topological indices of graphene. Nanomaterials and Nanotechnology, 2016, 6, 184798041667962.	3.0	8
28	On the general sum-connectivity index and general Randić index of cacti. Journal of Inequalities and Applications, 2016, 2016, .	1.1	14
29	Bond incident degree (BID) indices of polyomino chains: A unified approach. Applied Mathematics and Computation, 2016, 287-288, 28-37.	2.2	15
30	On the general sum-connectivity index of tricyclic graphs. Journal of Applied Mathematics and Computing, 2016, 51, 177-188.	2.5	16
31	On topological properties of the line graphs of subdivision graphs of certain nanostructures. Applied Mathematics and Computation, 2016, 273, 125-130.	2.2	50
32	Extremal problems for degree-based topological indices. Discrete Applied Mathematics, 2016, 203, 134-143.	0.9	9
33	The general Randić index of trees with given number of pendent vertices. Applied Mathematics and Computation, 2017, 302, 111-121.	2.2	18
34	Minimum general sum-connectivity index of trees and unicyclic graphs having a given matching number. Discrete Applied Mathematics, 2017, 222, 143-150.	0.9	10
35	On the general sum-connectivity index of trees with given number of pendent vertices. Discrete Applied Mathematics, 2017, 222, 213-221.	0.9	12
36	General sum-connectivity index, general product-connectivity index, general Zagreb index and coindices of line graph of subdivision graphs. AKCE International Journal of Graphs and Combinatorics, 2017, 14, 92-100.	0.7	22

#	Article	IF	CITATIONS
37	On molecular topological properties of diamond-like networks. Canadian Journal of Chemistry, 2017, 95, 758-770.	1.1	11
38	Degree-based topological indices of double graphs and strong double graphs. Discrete Mathematics, Algorithms and Applications, 2017, 09, 1750066.	0.6	10
39	Computation of certain topological properties of para-line graph of honeycomb networks and graphene. Discrete Mathematics, Algorithms and Applications, 2017, 09, 1750064.	0.6	14
40	Calculating of degree-based topological indices of nanostructures. , 2017, 1, 173-183.		7
41	Bounds for the general sum-connectivity index of composite graphs. Journal of Inequalities and Applications, 2017, 2017, 76.	1.1	24
42	On Topological Indices of Certain Dendrimer Structures. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 559-566.	1.5	45
43	Metric properties of Sierpin´ski-like graphs. Applied Mathematics and Computation, 2017, 296, 124-136.	2.2	5
44	Sharp Bounds for the General Sum-Connectivity Indices of Transformation Graphs. Discrete Dynamics in Nature and Society, 2017, 2017, 1-7.	0.9	7
45	Further results on computation of topological indices of certain networks. IET Control Theory and Applications, 2017, 11, 2065-2071.	2.1	43
46	Computation of topological indices of mesh, grid, torus and cylinder. Applied Mathematical Sciences, 0, 11, 1353-1371.	0.1	0
47	On the bounds of the forgotten topological index. Turkish Journal of Mathematics, 2017, 41, 1687-1702.	0.7	12
48	The Wiener index of Sierpiński-like graphs. Journal of Combinatorial Optimization, 2018, 35, 814-841.	1.3	4
49	On the extremal graphs with respect to bond incident degree indices. Discrete Applied Mathematics, 2018, 238, 32-40.	0.9	28
50	New lower bounds for the second variable Zagreb index. Journal of Combinatorial Optimization, 2018, 36, 194-210.	1.3	3
51	An alternative but short proof of a result of Zhu and Lu concerning general sum-connectivity index. Asian-European Journal of Mathematics, 2018, 11, 1850030.	0.5	6
52	CMMSE: A new approximation to the geometric–arithmetic index. Journal of Mathematical Chemistry, 2018, 56, 1865-1883.	1.5	13
53	Topological Indices of H-Naphtalenic Nanosheet. Open Chemistry, 2018, 16, 1184-1188.	1.9	6
54	Topological study of the para-line graphs of certain pentacene via topological indices. Open Chemistry, 2018, 16, 1200-1206.	1.9	5

	Ci	TATION REPORT	
#	Article	IF	CITATIONS
55	On the Degree-Based Topological Indices of the Tickysim SpiNNaker Model. Axioms, 2018, 7, 73.	1.9	4
56	The QSPR Study of Butane derivatives: (A Mathematical Approach). Oriental Journal of Chemistry, 20 34, 1842-1846.	18, 0.3	5
57	Topological Indices of Vitamin D3. International Journal of Engineering and Technology(UAE), 2018, 7 6276.	⁷ , 0.3	1
58	Degree-based energies of graphs. Linear Algebra and Its Applications, 2018, 554, 185-204.	0.9	40
59	Upper bounds for the inverse sum indeg index of graphs. Discrete Applied Mathematics, 2018, 251, 258-267.	0.9	6
60	Extremal values on Zagreb indices of trees with given distance k-domination number. Journal of Inequalities and Applications, 2018, 2018, 16.	1.1	7
61	Correlation between the Estrada index and <i>ï€</i> â€electronic energies for benzenoid hydrocarbor with applications to boron nanotubes. International Journal of Quantum Chemistry, 2019, 119, e260	ns 2.0 16.	45
62	The harmonic index of graphs based on some operations related to the lexicographic product. Mathematical Sciences, 2019, 13, 165-174.	1.7	0
63	Proof of a conjecture concerning maximum general sum-connectivity index χα of graphs with given cyclomatic number when 1<α<2. Discrete Applied Mathematics, 2019, 267, 219-223.	0.9	2
64	Topological Characterization of Nanosheet Covered by C3 and C6. Processes, 2019, 7, 462.	2.8	7
65	Topological Indices of Hyaluronic Acid-Paclitaxel Conjugates' Molecular Structure in Cancer Treatment. Open Chemistry, 2019, 17, 81-87.	1.9	36
66	Computing the degree based topological indices of line graph of benzene ring embedded in P-type-surface in 2D network. Journal of Information and Optimization Sciences, 2019, 40, 1511-152	8. 0.3	26
67	Estimating Some General Molecular Descriptors of Saturated Hydrocarbons. Molecular Informatics, 2019, 38, 1900007.	2.5	6
68	F-index and hyper-Zagreb index of four new tensor products of graphs and their complements. Discrete Mathematics, Algorithms and Applications, 2019, 11, 1950039.	0.6	3
69	Some results on lower bounds for topological indices. Journal of Mathematical Chemistry, 2019, 57, 1472-1495.	1.5	6
70	Computing Certain Topological Indices of the Line Graphs of Subdivision Graphs of Some Rooted Product Graphs. Mathematics, 2019, 7, 393.	2.2	14
71	Unified extremal results of topological indices and spectral invariants of graphs. Discrete Applied Mathematics, 2019, 271, 218-232.	0.9	12
72	Inequalities on the inverse degree index. Journal of Mathematical Chemistry, 2019, 57, 1524-1542.	1.5	8

#	Article	IF	CITATIONS
73	Bounds on Topological Descriptors of the Corona Product of <inline-formula> <tex-math notation="LaTeX">\$F\$ </tex-math </inline-formula> -Sum of Connected Graphs. IEEE Access, 2019, 7, 26788-26796.	4.2	16
74	Valency based molecular descriptors of two types of bicyclic graphs. AIP Conference Proceedings, 2019, , .	0.4	0
75	On the Minimal General Sum-Connectivity Index of Connected Graphs Without Pendant Vertices. IEEE Access, 2019, 7, 136743-136751.	4.2	2
76	Calculating topological indices of certain OTIS interconnection networks. Open Chemistry, 2019, 17, 220-228.	1.9	23
77	Topological Indices of Para-line Graphs of V-Phenylenic Nanostructures. Open Mathematics, 2019, 17, 260-266.	1.0	10
78	Exact Formula and Improved Bounds for General Sum-Connectivity Index of Graph-Operations. IEEE Access, 2019, 7, 167290-167299.	4.2	17
79	Generalized sum connectivity invariant of graphs. AIP Conference Proceedings, 2019, , .	0.4	0
80	Valency based descriptors of certain types of chemical trees. AIP Conference Proceedings, 2019, , .	0.4	0
81	A note on the harmonic index and harmonic polynomial of graphs with weighted vertex degrees. Journal of Information and Optimization Sciences, 2019, 40, 13-21.	0.3	0
82	A short note on hyper Zagreb index. Boletim Da Sociedade Paranaense De Matematica, 2019, 37, 51-58.	0.4	3
83	CMMSE 18: geometric-arithmetic index and line graph. Journal of Mathematical Chemistry, 2019, 57, 1427-1447.	1.5	10
84	Linear and non-linear inequalities on the inverse sum indeg index. Discrete Applied Mathematics, 2019, 258, 123-134.	0.9	12
85	Comparison Between Two Kinds of Connectivity Indices for Measuring the <i>Ï€</i> -Electronic Energies of Benzenoid Hydrocarbons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 367-370, and a sum-connectivity index (complimath) IJ ETQq1 1 0.784314 rgBT /Overlock 10	1.5) Tf 50 247	13 7 Td (xmlns:r
86	with given cyclomatic number when <mml:math <="" td="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><td>0.9</td><td>11</td></mml:math>	0.9	11
87	Extremal graphs for vertex-degree-based invariants with given degree sequences. Discrete Applied Mathematics, 2019, 255, 267-277.	0.9	9
88	Extremal polygonal cacti for bond incident degree indices. Discrete Applied Mathematics, 2019, 257, 289-298.	0.9	5
89	A note on extremal trees with degree conditions. Applied Mathematics and Computation, 2019, 341, 70-79.	2.2	0
90	The Minimum General Sum-Connectivity Index of Trees with Given Matching Number. Bulletin of the Malaysian Mathematical Sciences Society, 2020, 43, 1527-1544.	0.9	3

#	Article	IF	Citations
91	Extremal Results for Cacti. Bulletin of the Malaysian Mathematical Sciences Society, 2020, 43, 2783-2798.	0.9	5
92	Bounds on General Randić Index for F-Sum Graphs. Journal of Mathematics, 2020, 2020, 1-17.	1.0	6
93	Degree-based topological indices on anticancer drugs with QSPR analysis. Heliyon, 2020, 6, e04235.	3.2	46
94	Degree-based topological indices and polynomials of hyaluronic acid-curcumin conjugates. Saudi Pharmaceutical Journal, 2020, 28, 1093-1100.	2.7	34
95	On Topological Descriptors of Certain Metal-Organic Frameworks. Journal of Chemistry, 2020, 2020, 1-12.	1.9	7
96	Extremal Values of the General Harmonic Index and General Sum-Connectivity Index of f-Benzenoids. Polycyclic Aromatic Compounds, 2020, , 1-19.	2.6	1
97	Zagreb-Type Indices of <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">id="M1"><mml:mi>R</mml:mi></mml:math> -Vertex Join and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M2"><mml:mi>R</mml:mi>-Edge Join of Graphs, Journal of Chemistry, 2020, 2020, 1-13.</mml:math 	1.9	0
98	Survey on topological indices and graphs associated with a commutative ring. Journal of Physics: Conference Series, 2020, 1562, 012008.	0.4	8
99	Relations between the general sum connectivity index and the line graph. Journal of Mathematical Chemistry, 2020, 58, 2273-2290.	1.5	6
100	Computational Properties of General Indices on Random Networks. Symmetry, 2020, 12, 1341.	2.2	14
101	Computation of Degree-Based Topological Descriptors Using M-Polynomial for Coronoid Systems. Polycyclic Aromatic Compounds, 2022, 42, 1770-1793.	2.6	25
102	On Topological Indices for Swapped Networks Modeled by Optical Transpose Interconnection System. IEEE Access, 2020, 8, 200091-200099.	4.2	18
103	On Edge Version of Some Degree-Based Topological Indices of HAC5C7 [p,q] and VC5C7[p,q] Nanotubes. Polycyclic Aromatic Compounds, 2022, 42, 849-865.	2.6	22
104	Edge version of topological degree based indices of Boron triangular nanotubes. Journal of Information and Optimization Sciences, 2020, 41, 973-990.	0.3	6
105	Computing the topological descriptors of line graph of the complete m-ary trees. Journal of Intelligent and Fuzzy Systems, 2020, 39, 1081-1088.	1.4	4
106	Computational and analytical studies of the Randić index in Erdös–Rényi models. Applied Mathematics and Computation, 2020, 377, 125137.	2.2	21
107	On topological properties of some convex polytopes by using line operator on their subdivisions. Journal of Information and Optimization Sciences, 2020, 41, 891-903.	0.3	16
108	Topological Indices of Certain Transformed Chemical Structures. Journal of Chemistry, 2020, 2020, 1-7.	1.9	16

#	Article	IF	CITATIONS
109	Computing topological indices of chemical structures of the conductive 2D MOFs. Journal of Information and Optimization Sciences, 2021, 42, 563-578.	0.3	2
110	Cacti with maximal general sum-connectivity index. Journal of Applied Mathematics and Computing, 2021, 65, 147-160.	2.5	23
111	Extremality of VDB topological indices over f–benzenoids with given order. Applied Mathematics and Computation, 2021, 393, 125757.	2.2	2
112	Unified extremal results for <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline" id="d1e184" altimg="si23.svg"><mml:mi>k</mml:mi></mml:math> -apex unicyclic graphs (trees). Discrete Applied Mathematics, 2021, 288, 35-49.	0.9	7
113	Two-tree graphs with maximum general sum-connectivity index. Discrete Mathematics, Algorithms and Applications, 2021, 13, 2150025.	0.6	2
114	Degree- and irregularity-based molecular descriptors for benzenoid systems. European Physical Journal Plus, 2021, 136, 1.	2.6	18
115	The general Albertson irregularity index of graphs. AIMS Mathematics, 2021, 7, 25-38.	1.6	2
116	On Topological Indices for New Classes of Benes Network. Journal of Mathematics, 2021, 2021, 1-7.	1.0	13
117	On topological properties of hierarchical hypercube network based on Ve and Ev degree. Main Group Metal Chemistry, 2021, 44, 185-193.	1.6	2
118	M-Polynomial and Degree-Based Molecular Descriptors of Certain Classes of Benzenoid Systems. Polycyclic Aromatic Compounds, 2022, 42, 3450-3477.	2.6	15
119	Comparative Study of Certain Synthetic Polymers via Bond-Additive Invariants. IEEE Access, 2021, 9, 15388-15403.	4.2	2
120	The Calculations of Topological Indices on Certain Networks. Journal of Mathematics, 2021, 2021, 1-12.	1.0	2
121	Topological Indices of Derived Networks of Benzene Ring Embedded in P -Type Surface on 2   D. Journal of Chemistry, 2021, 2021, 1-11.	1.9	3
122	Graph entropies of porous graphene using topological indices. Computational and Theoretical Chemistry, 2021, 1197, 113142 Topological aspects of 2D structures of trans- <mml:math< td=""><td>2.5</td><td>22</td></mml:math<>	2.5	22
123	xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si95.svg"> <mml:mrow><mml:mi mathvariant="italic">Pd<mml:mo stretchy="false">(<mml:msub><mml:mrow><mml:mi) (<="" 0="" 10="" 177="" 50="" etqq0="" overlock="" rgbt="" td="" tf="" tj=""><td>matbvaria</td><td>nt±äitalic">N</td></mml:mi)></mml:mrow></mml:msub></mml:mo </mml:mi </mml:mrow>	m atb varia	nt ± äitalic">N
124	metal-organi Bounds of Degree-Based Molecular Descriptors for Generalized F -sum Graphs. Discrete Dynamics in Nature and Society, 2021, 2021, 1-17.	0.9	3
125	On topological properties of some molecular cactus chain networks and their subdivisions by using line operator. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 2597-2614.	0.8	1
126	On Computations of Topological Descriptors of Kagome Lattice. Polycyclic Aromatic Compounds, 2022, 42, 4895-4909.	2.6	5

#	ARTICLE	IF	CITATIONS
127	General sum-connectivity index of unicyclic graphs with given diameter. Discrete Applied Mathematics, 2021, 295, 39-46.	0.9	8
128	Some Properties of the Arithmetic–Geometric Index. Symmetry, 2021, 13, 857.	2.2	10
129	On the Computation of Some Topological Descriptors to Find Closed Formulas for Certain Chemical Graphs. Journal of Chemistry, 2021, 2021, 1-16.	1.9	9
130	Topological Study of Zeolite Socony Mobil-5 via Degree-Based Topological Indices. Journal of Chemistry, 2021, 2021, 1-13.	1.9	5
131	General sum-connectivity index of unicyclic graphs with given diameter and girth. Discrete Mathematics, Algorithms and Applications, 0, , 2150140.	0.6	1
132	Degree-based energies of trees. Linear Algebra and Its Applications, 2021, 621, 18-28.	0.9	9
133	Normalized Sombor Indices as Complexity Measures of Random Networks. Entropy, 2021, 23, 976.	2.2	10
134	On Ve-Degree and Ev-Degree Topological Properties of Hyaluronic Acidâ€Anticancer Drug Conjugates with QSPR. Journal of Chemistry, 2021, 2021, 1-23.	1.9	14
135	New Results on the Geometric-Arithmetic Index. Journal of Mathematics, 2021, 2021, 1-12.	1.0	0
136	Molecular Descriptor Analysis of Certain Isomeric Natural Polymers. Journal of Chemistry, 2021, 2021, 1-26.	1.9	4
137	Computing SS Index of Certain Dendrimers. Journal of Mathematics, 2021, 2021, 1-14.	1.0	9
138	Second Zagreb and Sigma Indices of Semi and Total Transformations of Graphs. Complexity, 2021, 2021, 1-15.	1.6	2
139	Correlation Ability of Degree-Based Topological Indices for Physicochemical Properties of Polycyclic Aromatic Hydrocarbons with Applications. Polycyclic Aromatic Compounds, 2022, 42, 6267-6281.	2.6	31
140	Inequalities on the geometric-arithmetic index. , 0, , 1-17.	1.0	1
141	Skew-Harmonic and Skew-Sum Connectivity Energy of Some Digraphs. Advances in Intelligent Systems and Computing, 2021, , 287-300.	0.6	0
142	A generalized ISI index of some chemical structures. Journal of Molecular Structure, 2020, 1208, 127843.	3.6	8
143	Valency-Based Molecular Descriptors for Measuring the <i>Ï€</i> -Electronic Energy of Lower Polycyclic Aromatic Hydrocarbons. Polycyclic Aromatic Compounds, 2022, 42, 1113-1129.	2.6	40
144	On the Bounds of the First Reformulated Zagreb Index. Turkish Journal of Analysis and Number Theory, 2016, 4, 8-15.	0.1	4

	Сіт	CITATION REPORT	
#	Article	IF	CITATIONS
145	Computing Topological Indices for Para-Line Graphs of Anthracene. Open Chemistry, 2019, 17, 955-96	52. 1.9	7
146	On the degree based topological indices of benzene ring embedded in P-type-surface in 2D network. Hacettepe Journal of Mathematics and Statistics, 2017, 4, .	0.3	17
147	On topological indices of honeycomb networks and Graphene networks. Hacettepe Journal of Mathematics and Statistics, 2017, 4, .	0.3	10
148	Topological Indices of the Line Graph of Subdivision Graph of Complete Bipartite Graphs. Applied Mathematics and Information Sciences, 2017, 11, 1631-1636.	0.5	23
149	Degree-based indices computation for special chemical molecular structures using edge dividing method. Applied Mathematics and Nonlinear Sciences, 2016, 1, 99-122.	1.6	48
150	Computing topological indices of the line graphs of Banana tree graph and Firecracker graph. Applied Mathematics and Nonlinear Sciences, 2017, 2, 83-92.	1.6	19
151	Computing First Zagreb index and F-index of New C-products of Graphs. Applied Mathematics and Nonlinear Sciences, 2017, 2, 285-298.	1.6	17
152	Connectivity Banhatti indices for certain families of Benzenoid Systems. Journal of Ultra Chemistry, 2017, 13, 81-87.	0.2	16
153	The harmonic index for unicyclic graphs with given girth. Filomat, 2015, 29, 673-686.	0.5	7
154	Extremal topological indices for graphs of given connectivity. Filomat, 2015, 29, 1639-1643.	0.5	10
155	On bounds for harmonic topological index. Filomat, 2018, 32, 311-317.	0.5	7
156	On the Randic and Sum-Connectivity Index of Nanotubes. Annals of the West University of Timisoara: Mathematics and Computer Science, 2013, 51, .	0.1	5
157	Sharp bounds for the general Randić index of transformation graphs. Journal of Intelligent and Fuzzy Systems, 2020, 39, 7787-7794.	1.4	3
158	Mathematical Properties of Variable Topological Indices. Symmetry, 2021, 13, 43.	2.2	10
159	Fourth Order and Fourth Sum Connectivity Indices of Polyphenylene Dendrimers. Journal of Applied Sciences, 2012, 12, 2279-2282.	0.3	2
160	On generalized inverse sum indeg index and energy of graphs. AIMS Mathematics, 2020, 5, 2388-241	l. 1.6	9
161	The Edge Version of Degree Based Topological Indices of p NA _q <sup style="margin-left:-6px;">p Nanotube. Applied Mathematics, 2017, 08, 144</sup 	-5-1453. ^{0.4}	2
162	Computation of Topological Indices of Dutch Windmill Graph. Open Journal of Discrete Mathematics, 2016, 06, 74-81.	0.1	7

#	Article	IF	CITATIONS
163	Sharp Bounds on the Augmented Zagreb Index of Graph Operations. Kragujevac Journal of Mathematics, 2020, 44, 509-522.	0.6	2
164	On the general sum-connectivity index of connected graphs with given order and girth. Electronic Journal of Graph Theory and Applications, 2016, 4, 1-7.	0.2	4
165	New Sharp lower bounds for the first Zagreb index. Scientific Publications of the State University of Novi Pazar Series A Applied Mathematics Informatics and Mechanics, 2016, 8, 11-19.	0.3	6
166	The product connectivity Banhatti index of a graph. Discussiones Mathematicae - Graph Theory, 2019, 39, 505.	0.3	4
167	Some Vertex/Edge-Degree-Based Topological Indices of r -Apex Trees. Journal of Mathematics, 2021, 2021, 1-8.	1.0	1
168	On Topological Indices and QSPR Analysis of Drugs Used for the Treatment of Breast Cancer. Polycyclic Aromatic Compounds, 2022, 42, 6233-6253.	2.6	34
169	Computation of Vertex-Based Topological Descriptors of Organometallic Monolayers of <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <msub> <mrow> <mtext>TM</mtext> </mrow> <mrow> <mn>3</mn> </mrow> </msub> <msub> <mrow> <mtext>C</mtext>. Journal of Mathematics, 2021, 2021, 1-7.</mrow></msub></math 	1.0	0
170	The General Connectivity and General Sum-Connectivity Indices of Nanostructures. International Letters of Chemistry, Physics and Astronomy, 0, 44, 73-80.	0.0	Ο
171	Second geometric-arithmetic index and general sum connectivity index of molecule graphs with special structure. International Journal of Contemporary Mathematical Sciences, 0, 10, 91-100.	0.3	0
172	The Adjacency Matrix and Related Matrices. , 2015, , 3-52.		0
173	Remarks on general zeroth-order Randić and general sum-connectivity indices. Scientific Publications of the State University of Novi Pazar Series A Applied Mathematics Informatics and Mechanics, 2019, 11, 11-20.	0.3	3
174	On the maximum general sum-connectivity index of trees with a fixed order and maximum degree. Discrete Mathematics, Algorithms and Applications, 2021, 13, 2150042.	0.6	2
175	On the extremal Sombor index of trees with a given diameter. Applied Mathematics and Computation, 2022, 416, 126731.	2.2	16
176	Computing bounds for the general sum-connectivity index of some graph operations. Algebra and Discrete Mathematics, 2020, 29, 147-160.	0.2	1
177	Some remarks on general sum-connectivity coindex. Scientific Publications of the State University of Novi Pazar Series A Applied Mathematics Informatics and Mechanics, 2020, 12, 29-35.	0.3	0
178	Sum Nano-Zagreb Index of Some Graph Operations. Journal of Physics: Conference Series, 2020, 1490, 012040.	0.4	1
179	Properties of Total Transformation Graphs for General Sum-Connectivity Index. Complexity, 2021, 2021, 1-6.	1.6	1
180	New Results on the Forgotten Topological Index and Coindex. Journal of Mathematics, 2021, 2021, 1-11.	1.0	1

#	Article	IF	CITATIONS
181	SOME BOUNDS ON SUM CONNECTIVITY AND PRODUCT CONNECTIVITY ZAGREB-K-BANHATTI INDICES OF GRAPHS International Journal of Engineering Sciences & Research Technology, 2020, 9, 144-157.	0.1	0
182	On the Exact Values of HZ-Index for the Graphs under Operations. Journal of Mathematics, 2021, 2021, 1-17.	1.0	1
183	Computing and comparative analysis of topological invariants of <scp>Yâ€junction</scp> carbon nanotubes. International Journal of Quantum Chemistry, 2022, 122, e26847.	2.0	8
184	Quantitative structure–property relationship of Evâ€degree and Veâ€degree based topological indices with physicoâ€chemical properties of benzene derivatives and application. International Journal of Quantum Chemistry, 0, , e26851.	2.0	18
185	A relation between a vertex-degree-based topological index and its energy. Linear Algebra and Its Applications, 2022, 636, 134-142.	0.9	11
186	Computation of Vertex Degree-Based Molecular Descriptors of Hydrocarbon Structure. Journal of Chemistry, 2022, 2022, 1-15.	1.9	2
188	On M-polynomial and some topological indices of Favipiravir (<i>T</i> – 705) and Ribavirin. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 2121-2135.	0.8	2
190	The minimum harmonic index for bicyclic graphs with given diameter. Filomat, 2022, 36, 125-140.	0.5	1
191	Extremal problems on the general Sombor index of a graph. AIMS Mathematics, 2022, 7, 8330-8343.	1.6	5
192	Topological Properties of Concealed Non-Kekulean Benzenoid Hydrocarbon. Polycyclic Aromatic Compounds, 2023, 43, 1776-1787.	2.6	9
193	On Neighborhood Degree-Based Topological Analysis of Polyphenylene Network. Mathematical Problems in Engineering, 2022, 2022, 1-14.	1.1	0
194	Degree-Based Topological Indices and QSPR Analysis of Antituberculosis Drugs. Journal of Chemistry, 2022, 2022, 1-17.	1.9	28
195	Ordering Acyclic Connected Structures of Trees Having Greatest Degree-Based Invariants. Complexity, 2022, 2022, 1-16.	1.6	0
196	Computing Bounds for General Randic Coindex of Sum Graphs. Journal of Mathematics, 2021, 2021, 1-17.	1.0	0
197	Topological indices of novel drugs used in blood cancer treatment and its QSPR modeling. AIMS Mathematics, 2022, 7, 11829-11850.	1.6	17
198	Prediction of Exchange-Correlation Energy of Graphene Sheets from Reverse Degree-Based Molecular Descriptors with Applications. Materials, 2022, 15, 2889.	2.9	1
199	A mathematical approach to the study on alkylating agents. AIP Conference Proceedings, 2022, , .	0.4	0
200	Randić Index of a Line Graph. Axioms, 2022, 11, 210.	1.9	6

#	Article	IF	CITATIONS
201	On Degree Based Topological Aspects of Some Dendrimers. Polycyclic Aromatic Compounds, 2023, 43, 3601-3612.	2.6	8
202	Hosoya index of VDB-weighted graphs. Discrete Applied Mathematics, 2022, 317, 18-25.	0.9	1
203	Topological Indices of Novel Drugs Used in Diabetes Treatment and Their QSPR Modeling. Journal of Mathematics, 2022, 2022, 1-17.	1.0	12
204	Sharp bounds on the Arithmetic–geometric index of graphs and line graphs. Discrete Applied Mathematics, 2022, 318, 47-60.	0.9	5
205	On the Minimum General Sum-Connectivity of Trees of Fixed Order and Pendent Vertices. Journal of Mathematics, 2022, 2022, 1-4.	1.0	0
206	Energy of a digraph with respect to a VDB topological index. Special Matrices, 2022, 10, 417-426.	0.5	2
207	QSPR Study of Ve-Degree Based End Vertice Edge Entropy Indices with Physio-Chemical Properties of Breast Cancer Drugs. Polycyclic Aromatic Compounds, 2023, 43, 4170-4183.	2.6	21
208	Nirmala and Banhatti-Sombor Index over Tensor and Cartesian Product of Special Class of Semigroup Graphs. Journal of Mathematics, 2022, 2022, 1-15.	1.0	0
209	On Trees with Greatest $ Fâ^² $ Invariant Using Edge Swapping Operations. Computational Intelligence and Neuroscience, 2022, 2022, 1-8.	1.7	0
210	Topological Aspects of Certain Covalent Organic Frameworks and Metal Organic Frameworks. Journal of Function Spaces, 2022, 2022, 1-9.	0.9	2
211	Vertex-degree-based topological indices of oriented trees. Applied Mathematics and Computation, 2022, 433, 127395.	2.2	1
212	Calculating PI Related Indices and Its Polynomial of Hyaluronic Acid and Conjugates. Journal of the Indonesian Mathematical Society, 0, , 194-214.	0.1	0
213	On general Sombor index of graphs. Asian-European Journal of Mathematics, 0, , .	0.5	2
214	Computational properties of the arithmetic–geometric index. Journal of Mathematical Chemistry, 2022, 60, 1854-1871.	1.5	3
215	Topological Indices of Drugs Used in Rheumatoid Arthritis Treatment and Its QSPR Modeling. Journal of Mathematics, 2022, 2022, 1-11.	1.0	7
216	Entropy measures of Y-junction based nanostructures. Ain Shams Engineering Journal, 2023, 14, 101913.	6.1	9
217	Topological indices relating some nanostructures. Materials Today: Proceedings, 2022, , .	1.8	0
218	Multiplicative Attributes Derived from Graph Invariants for Saztec4 Diamond. Journal of Mathematics, 2022, 2022, 1-7.	1.0	2

#	Article	IF	CITATIONS
219	Computing Topological Invariants of Deep Neural Networks. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.7	1
220	The Entire Zagreb index is based on H $\hat{a} \in$ "Naphtalenic nanotubes. Materials Today: Proceedings, 2022, , .	1.8	0
221	Topological Indices of Novel Drugs Used in Cardiovascular Disease Treatment and Its QSPR Modeling. Journal of Chemistry, 2022, 2022, 1-13.	1.9	5
222	Topological Indices of Novel Drugs Used in Autoimmune Disease Vitiligo Treatment and Its QSPR Modeling. BioMed Research International, 2022, 2022, 1-14.	1.9	10
223	The Generalized Inverse Sum Indeg Index of Some Graph Operations. Symmetry, 2022, 14, 2349.	2.2	3
224	General sum-connectivity index of a graph and its line graph. Applied Mathematics and Computation, 2023, 443, 127779.	2.2	2
225	Topological Indices and QSPR Analysis of NSAID Drugs. Polycyclic Aromatic Compounds, 2023, 43, 9479-9495.	2.6	9
226	Degree-Based Entropy Descriptors of Graphenylene Using Topological Indices. CMES - Computer Modeling in Engineering and Sciences, 2023, .	1.1	2
227	An estimation of physicochemical properties of heart attack treatment medicines by using molecular descriptor's. South African Journal of Chemical Engineering, 2023, 45, 20-29.	2.4	4
228	Degree-based function index for graphs with given diameter. Discrete Applied Mathematics, 2023, 333, 59-70.	0.9	Ο
229	Some Topological Values of Supramolecular Chain of Different Complexes of N-Salicylidene-L-Valine. CMES - Computer Modeling in Engineering and Sciences, 2023, 136, 1899-1916.	1.1	3
230	On Molecular Structural Characterization of Cyclen Cored Dendrimers. Polycyclic Aromatic Compounds, 0, , 1-23.	2.6	4
231	Extremal trees and unicyclic graphs with respect to spectral radius of weighted adjacency matrices with property \$\$P^{*}\$\$. Journal of Applied Mathematics and Computing, 2023, 69, 2573-2594.	2.5	2
232	Estimating the physicochemical properties of antiemetics using degree-based topological descriptors. Molecular Physics, 2023, 121, .	1.7	10
233	Topological indices and entropies of triangular and rhomboidal tessellations of kekulenes with applications to NMR and ESR spectroscopies. Journal of Mathematical Chemistry, 2023, 61, 1477-1490.	1.5	5
234	Topological Descriptors and QSPR Models of Drugs used in Blood Cancer. The Punjab University Journal of Mathematics, 2023, , 27-43.	0.3	1
235	Degree-Based Topological Descriptors of Hexaphenylbenzene Molecule Graphs. Polycyclic Aromatic Compounds, 2024, 44, 1238-1257.	2.6	0
236	Predictive ability of physicochemical properties of antiemetic drugs using degreeâ€based entropies. International Journal of Quantum Chemistry, 2023, 123, .	2.0	7

#	Article	IF	CITATIONS
237	Fundamental Aspects of Skin Cancer Drugs via Degree-Based Chemical Bonding Topological Descriptors. Molecules, 2023, 28, 3684.	3.8	8
238	Topological Indices Study of Molecular Structure Hyaluronic Acid-Paclitaxel Conjugates in Cancer Treatment. Polycyclic Aromatic Compounds, 0, , 1-12.	2.6	Ο
239	On generalized ISI index of tree and unicyclic graphs. AIP Conference Proceedings, 2023, , .	0.4	0
240	On (exponential) bond incident degree indices of graphs. Discrete Applied Mathematics, 2023, 336, 141-147.	0.9	0
241	On the Hyper Zagreb Index of Trees with a Specified Degree of Vertices. Symmetry, 2023, 15, 1295.	2.2	0
242	A novel perspective for M-polynomials to compute molecular descriptors of borophene nanosheet. Scientific Reports, 2023, 13, .	3.3	0
243	Statistical significance of valency-based topological descriptors for correlating thermodynamic properties of benzenoid hydrocarbons with applications. Computational and Theoretical Chemistry, 2023, 1227, 114259.	2.5	15
245	Sharp bounds on the symmetric division deg index of graphs and line graphs. Computational and Applied Mathematics, 2023, 42, .	2.2	0
246	Computational aspects of entropy measures for metal organic frameworks. Molecular Physics, 0, , .	1.7	0
247	Topological analysis of hexagonal and rectangular porous graphene with applications to predicting \$\$pi \$\$-electron energy. European Physical Journal Plus, 2023, 138, .	2.6	3
248	On generalized reduced first and second Zagreb indices of semi and total transformation of graphs. AIP Conference Proceedings, 2023, , .	0.4	0
249	On the Randić index and its variants of network data. Test, 0, , .	1.1	2
250	A study of novel molecular descriptors and quantitative structure–property relationship analysis of blood cancer drugs. European Physical Journal Plus, 2023, 138, .	2.6	2
251	QSPR Modeling of Fungicides Using Topological Descriptors. International Journal of Analytical Chemistry, 2023, 2023, 1-12.	1.0	0
252	Structural characterization of nanomaterials C ₄ C ₈ . Molecular Physics, 0, ,	1.7	0
253	On the general <mml:math <br="" altimg="si25.svg" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline" id="d1e93"><mml:mi>Z</mml:mi></mml:math> -type index of connected graphs. Discrete Optimization, 2023, 50, 100808.	0.9	0
254	Applications of the inverse degree index to molecular structures. Journal of Mathematical Chemistry, 2024, 62, 228-249.	1.5	0
255	Degree-based topological indices of boron nanotubes. AIP Advances, 2023, 13, .	1.3	1

#	Article	IF	CITATIONS
256	QSPR Analysis of Drugs for Treatment of Schizophrenia Using Topological Indices. ACS Omega, 2023, 8, 41417-41426.	3.5	3
257	On the Molecular Structure of Remdesivir Compound Applied for the Treatment of Corona Virus. Polycyclic Aromatic Compounds, 0, , 1-10.	2.6	0
258	The study of curve fitting models to analyze some degree-based topological indices of certain anti-cancer treatment. Chemical Papers, 2024, 78, 1055-1068.	2.2	2
259	On Degree-Based Topological Indices of Kagome Graphene, and Carbon Kagome Nanotubes and Nanotori. Polycyclic Aromatic Compounds, 0, , 1-16.	2.6	0
260	On topological indices of some chemical graphs. Molecular Physics, 0, , .	1.7	1
261	A note on general sum-connectivity index. Proyecciones, 2023, 42, 1537-1547.	0.3	0
262	Chemical Application of Topological Indices in Infertility Treatment Drugs and QSPR Analysis. International Journal of Analytical Chemistry, 2023, 2023, 1-11.	1.0	0
263	Topological Descriptors and QSPR Modelling of HIV/AIDS Disease Treatment Drugs. Discrete Dynamics in Nature and Society, 2023, 2023, 1-13.	0.9	0
264	Entropy measures of the metal–organic network via topological descriptors. Main Group Metal Chemistry, 2023, 46, .	1.6	0
265	An estimation of physiochemical properties of bladder cancer drugs via degree-based chemical bonding topological descriptors. Journal of Biomolecular Structure and Dynamics, 0, , 1-9.	3.5	0
266	On the variable inverse sum deg index: theory and applications. Journal of Mathematical Chemistry, 2024, 62, 250-268.	1.5	0
267	Approximating the properties of some chemical solvents by twoâ€dimensional molecular descriptors. International Journal of Quantum Chemistry, 2024, 124, .	2.0	0
268	Topological characterization of cove-edged graphene nanoribbons with applications to NMR spectroscopies. Journal of Molecular Structure, 2024, 1303, 137492.	3.6	0
269	Quasi-Laplacian energy of \$\$psi \$\$-sum graphs. Journal of Applied Mathematics and Computing, 2024, 70, 535-550.	2.5	0
270	Topological analysis of tetracyanobenzene metal–organic framework. Scientific Reports, 2024, 14, .	3.3	0
271	Prioritizing Asthma Treatment Drugs through Multicriteria Decision Making. International Journal of Analytical Chemistry, 2024, 2024, 1-10.	1.0	0
272	Computation of Structural Descriptors of Pyrene Cored Dendrimers through Quotient Graph Approach and Its Graph Entropy Measures. Journal of Nanomaterials, 2024, 2024, 1-20.	2.7	0