Augmented Zagreb index

Citation Report

#	Article	IF	Citations
1	Bond additive modeling 10. Upper and lower bounds of bond incident degree indices of catacondensed fluoranthenes. Chemical Physics Letters, 2011, 515, 186-189.	1.2	13
2	Vertex-degree-based topological indices of catacondensed hexagonal systems. Chemical Physics Letters, 2013, 572, 154-157.	1.2	11
3	Why plerograms are not used in chemical graph theory? The case of terminal-Wiener index. Chemical Physics Letters, 2013, 568-569, 195-197.	1.2	3
4	On structure-sensitivity of degree-based topological indices. Applied Mathematics and Computation, 2013, 219, 8973-8978.	1.4	121
5	Large-scale analysis of structural branching measures. Journal of Mathematical Chemistry, 2014, 52, 805-819.	0.7	11
6	Extremal values of vertex-degree-based topological indices over hexagonal systems with fixed number of vertices. Applied Mathematics and Computation, 2014, 243, 176-183.	1.4	17
7	Extremal polyomino chains of VDB topological indices. Applied Mathematical Sciences, 2015, 9, 5371-5388.	0.0	2
8	Vertex-degree-based topological indices over starlike trees. Discrete Applied Mathematics, 2015, 185, 18-25.	0.5	6
9	Extremal values of vertex-degree-based topological indices over graphs. Journal of Applied Mathematics and Computing, 2015, 48, 395-406.	1.2	5
10	Subtrees of spiro and polyphenyl hexagonal chains. Applied Mathematics and Computation, 2015, 268, 547-560.	1.4	31
11	Unicyclic and bicyclic graphs with minimal augmented Zagreb index. Journal of Inequalities and Applications, 2015, 2015, .	0.5	11
12	Extremal values of VDB topological indices over catacondensed polyomino systems. Applied Mathematical Sciences, 0, 10, 487-501.	0.0	0
13	Extremal pentagonal chains with respect to bond incident degree indices. Canadian Journal of Chemistry, 2016, 94, 870-876.	0.6	20
14	Analytical expressions for topological properties of polycyclic benzenoid networks. Journal of Chemometrics, 2016, 30, 682-697.	0.7	45
15	Some results on topological indices of graphene. Nanomaterials and Nanotechnology, 2016, 6, 184798041667962.	1.2	8
16	Descriptors and their selection methods in QSAR analysis: paradigm for drug design. Drug Discovery Today, 2016, 21, 1291-1302.	3.2	235
17	Bond incident degree (BID) indices of polyomino chains: A unified approach. Applied Mathematics and Computation, 2016, 287-288, 28-37.	1.4	15
18	Computing Sanskruti index of certain nanostructures. Journal of Applied Mathematics and Computing, 2017, 54, 425-433.	1.2	66

#	Article	IF	Citations
19	Bounds for the augmented Zagreb and the atom-bond connectivity indices. Applied Mathematics and Computation, 2017, 307, 141-145.	1.4	11
20	The ABC Matrix. Journal of Mathematical Chemistry, 2017, 55, 1021-1033.	0.7	42
21	Computation of certain topological properties of para-line graph of honeycomb networks and graphene. Discrete Mathematics, Algorithms and Applications, 2017, 09, 1750064.	0.4	14
22	M-Polynomials and topological indices of V-Phenylenic Nanotubes and Nanotori. Scientific Reports, 2017, 7, 8756.	1.6	56
23	Further Inequalities Between Vertex-Degree-Based Topological Indices. International Journal of Applied and Computational Mathematics, 2017, 3, 1921-1930.	0.9	5
24	On the Certain Topological Indices of Titania Nanotube $TiO_2[m, n]$. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 647-654.	0.7	17
25	Vertex-degree-based topological indices of hexagonal systems with equal number of edges. Applied Mathematics and Computation, 2017, 296, 270-276.	1.4	7
26	Topological indices of rhombus type silicate and oxide networks. Canadian Journal of Chemistry, 2017, 95, 134-143.	0.6	38
27	More results on computation of topological indices of certain networks. International Journal of Networking and Virtual Organisations, 2017, 17, 46.	0.2	15
28	On the bounds of degree-based topological indices of the Cartesian product of F-sum of connected graphs. Journal of Inequalities and Applications, 2017, 2017, 305.	0.5	10
29	Some Invariants of Jahangir Graphs. Symmetry, 2017, 9, 17.	1.1	11
30	The M-polynomials and topological indices of toroidal polyhex network. International Journal of Mathematical Analysis, 0, 11, 305-315.	0.3	4
31	Some Computational Aspects of Boron Triangular Nanotubes. Symmetry, 2017, 9, 6.	1.1	22
32	On ABC eigenvalues and ABC energy. Linear Algebra and Its Applications, 2018, 544, 141-157.	0.4	32
33	Valency-based topological descriptors of chemical networks and their applications. Applied Mathematical Modelling, 2018, 60, 164-178.	2.2	48
34	Extremal graphs with respect to generalizedABCindex. Discrete Applied Mathematics, 2018, 243, 115-124.	0.5	11
35	Computing topological indices of probabilistic neural network. Neural Computing and Applications, 2018, 30, 3869-3876.	3.2	18
36	On the Trees With Maximal Augmented Zagreb Index. IEEE Access, 2018, 6, 69335-69341.	2.6	6

#	ARTICLE	IF	CITATIONS
37	Computational Analysis of topological indices of two Boron Nanotubes. Scientific Reports, 2018, 8, 14843.	1.6	17
38	Topological Properties of 2-Dimensional Silicon-Carbons. IEEE Access, 2018, 6, 59362-59373.	2.6	33
39	M-polynomials and topological indices of hex-derived networks. Open Physics, 2018, 16, 394-403.	0.8	12
40	Topological Indices of Vitamin D3. International Journal of Engineering and Technology(UAE), 2018, 7, 6276.	0.2	1
41	M-Polynomials And Topological Indices Of Zigzag And Rhombic Benzenoid Systems. Open Chemistry, 2018, 16, 73-78.	1.0	57
42	Augmented Zagreb index of trees and unicyclic graphs with perfect matchings. Applied Mathematics and Computation, 2018, 335, 75-81.	1.4	5
43	M-Polynomials and Topological Indices of Dominating David Derived Networks. Open Chemistry, 2018, 16, 201-213.	1.0	17
44	Extremal benzenoid systems for two modified versions of the RandiÄ‡ index. Applied Mathematics and Computation, 2018, 337, 14-24.	1.4	4
45	Topological Indices of the Pent-Heptagonal Nanosheets VC_5C_7 and HC_5C_7. Advances in Materials Science and Engineering, 2019, 2019, 1-12.	1.0	22
46	Irregularity Molecular Descriptors of Hourglass, Jagged-Rectangle, and Triangular Benzenoid Systems. Processes, 2019, 7, 413.	1.3	14
47	Imbalance-Based Irregularity Molecular Descriptors of Nanostar Dendrimers. Processes, 2019, 7, 517.	1.3	8
48	Molecular Properties of Symmetrical Networks Using Topological Polynomials. Open Chemistry, 2019, 17, 849-864.	1.0	5
49	Valency-Based Topological Descriptors and Structural Property of the Generalized SierpiÅ„ski Networks. Journal of Statistical Physics, 2019, 177, 1131-1147.	0.5	108
50	Maximal Augmented Zagreb Index of Trees With at Most Three Branching Vertices. IEEE Access, 2019, 7, 146652-146661.	2.6	3
51	Molecular descriptors of discrete dynamical system in fractal and Cayley tree type dendrimers. Journal of Applied Mathematics and Computing, 2019, 61, 57-72.	1.2	7
52	On Molecular Descriptors of Face-Centered Cubic Lattice. Processes, 2019, 7, 280.	1.3	8
53	Computing Degree Based Topological Properties of Third Type of Hex-Derived Networks. Mathematics, 2019, 7, 368.	1.1	21
54	Analysis of SC5C7p,q and NPHXp,q Nanotubes via Topological Indices. Journal of Nanomaterials, 2019, 2019, 1-10.	1.5	4

#	Article	IF	Citations
55	M-Polynomials and Degree-Based Topological Indices of VC5C7[p,q] and HC5C7[p,q] Nanotubes. IEEE Access, 2019, 7, 41125-41132.	2.6	22
56	Some new lower bounds for augmented Zagreb index. Journal of Applied Mathematics and Computing, 2019, 61, 405-415.	1.2	3
57	Valency based molecular descriptors of two types of bicyclic graphs. AIP Conference Proceedings, 2019, , .	0.3	0
58	The Sanskruti index of trees and unicyclic graphs. Open Chemistry, 2019, 17, 448-455.	1.0	2
59	Valency-based molecular descriptors of Bakelite network BNmn$Bext N_{m}^{n}$. Open Chemistry, 2019, 17, 663-670.	1.0	3
60	M-Polynomial and Topological Indices of Benzene Ring Embedded in P-Type Surface Network. Journal of Chemistry, 2019, 2019, 1-9.	0.9	14
61	Valency based descriptors of certain types of chemical trees. AIP Conference Proceedings, 2019, , .	0.3	0
62	The Augmented Zagreb Indices of Fluoranthene-Type Benzenoid Systems. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 1119-1141.	0.4	7
63	The Edge Versions of Degree-Based Topological Descriptors of Dendrimers. Journal of Cluster Science, 2020, 31, 445-452.	1.7	11
64	On topological indices of carbon nanocones and nanotori. International Journal of Quantum Chemistry, 2020, 120, e26082.	1.0	22
65	Irregularities of T U C 4 and T U A C 6 nanotubes. Mathematical Methods in the Applied Sciences, 2020, , .	1.2	0
66	Topological indices of PVC. AIP Conference Proceedings, 2020, , .	0.3	0
67	Survey on topological indices and graphs associated with a commutative ring. Journal of Physics: Conference Series, 2020, 1562, 012008.	0.3	8
68	On the maximal general ABC index of graphs with given maximum degree. Applied Mathematics and Computation, 2020, 386, 125531.	1.4	6
69	Some new topological indices of silicate network via M-polynomial. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 1157-1171.	0.5	22
70	M-Polynomial and topological indices of book graph. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 1217-1237.	0.5	16
71	Study of some connectivity index of subdivided mk graphs of ladder and triangular ladder graph. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 1279-1296.	0.5	1
72	Bond Incident Degree Indices of Catacondensed Pentagonal Systems. Complexity, 2020, 2020, 1-7.	0.9	4

#	Article	IF	Citations
73	Computation of Degree-Based Topological Descriptors Using M-Polynomial for Coronoid Systems. Polycyclic Aromatic Compounds, 2022, 42, 1770-1793.	1.4	25
74	Bounds of Some Degree Based Indices of Lexicographic Product of Some Connected Graphs. Polycyclic Aromatic Compounds, 2020, , 1-13.	1.4	6
75	On Topological Indices of mth Chain Hex-Derived Network of Third Type. Frontiers in Physics, 2020, 8, .	1.0	17
76	On Entropy Measures of Polycyclic Hydroxychloroquine Used for Novel Coronavirus (COVID-19) Treatment. Polycyclic Aromatic Compounds, 2020, , 1-26.	1.4	26
77	<i>M</i>-Polynomials and Topological Indices of Styrene-Butadiene Rubber (SBR). Polycyclic Aromatic Compounds, 2022, 42, 2723-2737.	1.4	4
78	On M-polynomial-based topological descriptors of chemical crystal structures and their applications. European Physical Journal Plus, 2020, 135, 1.	1.2	8
79	Topological Indices of Some Chemical Structures Applied for the Treatment of COVID-19 Patients. Polycyclic Aromatic Compounds, 2022, 42, 1220-1234.	1.4	64
80	Edge version of topological degree based indices of Boron triangular nanotubes. Journal of Information and Optimization Sciences, 2020, 41, 973-990.	0.2	6
81	Trees with maximum exponential RandiÄ‡ index. Discrete Applied Mathematics, 2020, 283, 634-643.	0.5	17
82	Degree-Based Topological Invariants of Metal-Organic Networks. IEEE Access, 2020, 8, 68288-68300.	2.6	40
83	Vertex-Degree Based Topological Indices of Graphene. Polycyclic Aromatic Compounds, 2022, 42, 1524-1532.	1.4	15
84	Topological Aspects of Single-Walled Titania Nanotubes. Polycyclic Aromatic Compounds, 2020, , 1-16.	1.4	3
85	Topologicalâ€based comparison and computerâ€based analysis of TUC₄[<i>m</i>,<i>n</i>], TUZC₆[<i>m</i>,<i>n</i>], and TUAC₆[<i>m</i>,<i>n</i>] nanotubes. Mathematical Methods in the Applied Sciences, 0, , .	1.2	0
86	Topological Indices of Certain Transformed Chemical Structures. Journal of Chemistry, 2020, 2020, 1-7.	0.9	16
87	Extremal values of vertex-degree-based topological indices of chemical trees. Applied Mathematics and Computation, 2020, 380, 125281.	1.4	7
88	On certain distance and degree based topological indices of Zeolite LTA frameworks. Materials Research Express, 2020, 7, 055006.	0.8	30
89	M-polynomial based topological properties of Sudoku graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 155-168.	0.5	2
90	Extremal values of vertexâ€degreeâ€based topological indices of coronoid systems. International Journal of Quantum Chemistry, 2021, 121, e26536.	1.0	9

#	Article	IF	Citations
91	Extremality of VDB topological indices over fâ€"benzenoids with given order. Applied Mathematics and Computation, 2021, 393, 125757.	1.4	2
92	Maximal augmented Zagreb index of trees with given diameter. Applied Mathematics and Computation, 2021, 395, 125855.	1.4	1
93	Extremal unicyclic graphs with respect to the Sanskruti index. Asian-European Journal of Mathematics, 2021, 14, 2050147.	0.2	2
94	Topological indices of discrete molecular structure. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 2487.	0.6	0
95	On analysis of thermodynamic properties of cuboctahedral bi-metallic structure. Main Group Metal Chemistry, 2021, 44, 117-128.	0.6	5
96	Some degree-based topological indices of caboxy-terminated dendritic macromolecule. Main Group Metal Chemistry, 2021, 44, 165-172.	0.6	6
97	Degree- and irregularity-based molecular descriptors for benzenoid systems. European Physical Journal Plus, 2021, 136, 1.	1.2	18
98	M-Polynomial and Degree-Based Molecular Descriptors of Certain Classes of Benzenoid Systems. Polycyclic Aromatic Compounds, 2022, 42, 3450-3477.	1.4	15
99	The Calculations of Topological Indices on Certain Networks. Journal of Mathematics, 2021, 2021, 1-12.	0.5	2
100	Molecular Structural Descriptors of Donut Benzenoid Systems. Polycyclic Aromatic Compounds, 0, , 1-27.	1.4	8
101	Polynomials and General Degree-Based Topological Indices of Generalized Sierpinski Networks. Complexity, 2021, 2021, 1-10.	0.9	2
102	Graph Indices for Cartesian Product of F-sum of Connected Graphs. Combinatorial Chemistry and High Throughput Screening, 2021, 24, .	0.6	5
103	Inequalities on the generalized atom bond connectivity index. Journal of Mathematical Chemistry, 2021, 59, 775-791.	0.7	0
104	Structural Analysis of Three Types of PAHs using Entropy Measures. Polycyclic Aromatic Compounds, 2022, 42, 4101-4131.	1.4	20
105	On Degree Based Topological Indices of Transition Metal-Tetra Cyano Polycyclic Benzene Organic Network. Polycyclic Aromatic Compounds, 0, , 1-27.	1.4	2
106	Comparative Study of Zagreb Indices for Capped, Semi-Capped, and Uncapped Carbon Nanotubes. Polycyclic Aromatic Compounds, 2022, 42, 3545-3562.	1.4	31
107	On Reverse Degree Based Topological Indices of Polycyclic Metal Organic Network. Polycyclic Aromatic Compounds, 2022, 42, 4386-4403.	1.4	16
108	M-Polynomials and Topological Indices for Line Graphs of Chain Silicate Network and H-Naphtalenic Nanotubes. Journal of Mathematics, 2021, 2021, 1-11.	0.5	16

#	Article	IF	Citations
109	Open problems on the exponential vertex-degree-based topological indices of graphs. Discrete Applied Mathematics, 2021, 293, 38-49.	0.5	14
110	Bounds on the Arithmetic-Geometric Index. Symmetry, 2021, 13, 689.	1.1	9
111	On Computations of Topological Descriptors of Kagome Lattice. Polycyclic Aromatic Compounds, 2022, 42, 4895-4909.	1.4	5
112	Minimum augmented Zagreb index of c-cyclic graphs. Discrete Applied Mathematics, 2021, 295, 32-38.	0.5	6
113	Inequalities on the Generalized ABC Index. Mathematics, 2021, 9, 1151.	1.1	2
114	On Computation and Analysis of Entropy Measures for Crystal Structures. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	7
115	Topological aspects of metal-organic structure with the help of underlying networks. Arabian Journal of Chemistry, 2021, 14, 103157.	2.3	37
116	Algebraic Polynomial Based Topological Study of Graphite Carbon Nitride (g-) Molecular Structure.. Polycyclic Aromatic Compounds, 0, , 1-22.	1.4	4
117	Degree-based energies of trees. Linear Algebra and Its Applications, 2021, 621, 18-28.	0.4	9
118	The minimal augmented Zagreb index of k-apex trees for $k \in \{1,$ Applied Mathematics and Computation, 2021, 402, 126139.	1.4	2
119	On Analysis of Topological Properties for Terbium IV Oxide via Enthalpy and Entropy Measurements. Journal of Chemistry, 2021, 2021, 1-16.	0.9	3
120	Topological indices and QSPR modeling of some novel drugs used in the cancer treatment. International Journal of Quantum Chemistry, 2021, 121, e26813.	1.0	43
121	Several Topological Indices of Two Kinds of Tetrahedral Networks. Journal of Mathematics, 2021, 2021, 1-10.	0.5	1
122	Correlation Ability of Degree-Based Topological Indices for Physicochemical Properties of Polycyclic Aromatic Hydrocarbons with Applications. Polycyclic Aromatic Compounds, 2022, 42, 6267-6281.	1.4	31
123	On ABC Estrada index of graphs. Discrete Mathematics, 2021, 344, 112586.	0.4	4
124	QSPR analysis of some novel neighbourhood degree-based topological descriptors. Complex & Intelligent Systems, 2021, 7, 977-996.	4.0	78
125	Computation of reverse degree-based topological indices of hex-derived networks. AIMS Mathematics, 2021, 6, 11330-11345.	0.7	5
126	Extension of bridge graphs and their chemical applications. Materials Today: Proceedings, 2021, 42, 739-744.	0.9	0

#	Article	IF	Citations
127	On certain topological indices of gold crystal. Materials Today: Proceedings, 2021, 47, 1908-1914.	0.9	0
128	Some topological properties of uniform subdivision of SierpiÅ„ski graphs. Main Group Metal Chemistry, 2021, 44, 218-227.	0.6	7
129	Topological indices and <scp>QSPR</scp>/<scp>QSAR</scp> analysis of some antiviral drugs being investigated for the treatment of <scp>COVID</scp>â€19 patients. International Journal of Quantum Chemistry, 2021, 121, e26594.	1.0	78
130	Valency-Based Molecular Descriptors for Measuring the <i>Ï€</i>-Electronic Energy of Lower Polycyclic Aromatic Hydrocarbons. Polycyclic Aromatic Compounds, 2022, 42, 1113-1129.	1.4	40
131	On the reduced second Zagreb index of graphs. Rocky Mountain Journal of Mathematics, 2020, 50, .	0.2	11
132	M-POLYNOMIALS AND TOPOLOGICAL INDICES OF SILICATE AND OXIDE NETWORKS. International Journal of Pure and Applied Mathematics, 2017, 115, .	0.2	13
133	Structural Discrimination of Networks by Using Distance, Degree and Eigenvalue-Based Measures. PLoS ONE, 2012, 7, e38564.	1.1	15
134	Molecular Properties of Carbon Crystal Cubic Structures. Open Chemistry, 2020, 18, 339-346.	1.0	7
135	M-polynomial and topological indices of zigzag edge coronoid fused by starphene. Open Chemistry, 2020, 18, 1362-1369.	1.0	19
136	On topological aspects of degree based entropy for two carbon nanosheets. Main Group Metal Chemistry, 2020, 43, 205-218.	0.6	20
137	Computation of Zagreb indices and Zagreb polynomials of Sierpinski graphs. , 2020, 49, 754-765.	0.3	15
138	QSPR Analysis of Certain Degree Based Topological Indices. Journal of Statistics Applications and Probability, 2017, 6, 361-371.	0.5	65
139	Extremal trees with fixed degree sequence for atom-bond connectivity index. Filomat, 2012, 26, 683-688.	0.2	32
140	Topological Properties of Four-Layered Neural Networks. Journal of Artificial Intelligence and Soft Computing Research, 2019, 9, 111-122.	3.5	11
141	The Edge Version of Degree Based Topological Indices of p NA<sub>q</sub><sup style="margin-left:-6px;">p</sup> Nanotube. Applied Mathematics, 2017, 08, 1445-1453.	0.1	2
142	Sharp Bounds on the Augmented Zagreb Index of Graph Operations. Kragujevac Journal of Mathematics, 2020, 44, 509-522.	0.3	2
143	Computing and comparative analysis of topological invariants of symmetrical carbon nanotube Y junctions. Arabian Journal of Chemistry, 2022, 15, 103509.	2.3	3
144	Some Vertex/Edge-Degree-Based Topological Indices of r -Apex Trees. Journal of Mathematics, 2021, 2021, 1-8.	0.5	1

#	ARTICLE	IF	CITATIONS
145	Structureâ€"activity relations for antiepileptic drugs through omega polynomials and topological indices. Molecular Physics, 2022, 120, .	0.8	15
146	Sharp Upper and Lower Bounds of VDB Topological Indices of Digraphs. Symmetry, 2021, 13, 1903.	1.1	7
147	The linear chain as an extremal value of VDB topological indices of polyomino chains. Applied Mathematical Sciences, 0, 8, 5133-5143.	0.0	5
148	Topological indices of Kragujevac trees. Proyecciones, 2014, 33, 471-482.	0.1	4
149	Degree Based Topological Index Calculation of Pent-Heptagonal Nanotubes. Pure Mathematics, 2016, 06, 143-150.	0.0	0
150	SOME DEGREE BASED TOPOLOGICAL INDICES OF GENERALIZED TRANSFORMATION GRAPHS AND OF THEIR COMPLEMENTS. International Journal of Pure and Applied Mathematics, 2016, 109, .	0.2	2
151	More results on computation of topological indices of certain networks. International Journal of Networking and Virtual Organisations, 2017, 17, 46.	0.2	0
152	Some Invariants of Cartesian Product of a Path and a Complete Bipartite Graph. International Journal of Discrete Mathematics, 2019, 4, 61.	0.2	0
153	The M-polynomial of line graph of subdivision graphs. Communications Faculty of Science University of Ankara Series A1Mathematics and Statistics, 0, , 2104-2116.	0.2	8
154	Molecular description for magnesium iodide. Mathematical Models in Engineering, 2019, 5, 175-189.	0.1	3
155	Topological invariants for the line graphs of some classes of graphs. Open Chemistry, 2019, 17, 1483-1490.	1.0	0
156	M-Polynomial and topological indices of Hanoi graph and generalized wheel graph. Malaya Journal of Matematik, 2020, 8, 2149-2157.	0.1	1
157	M-Polynomial and topological indices of benzene ring embedded in p-type surface network. Proyecciones, 2020, 39, 749-768.	0.1	0
158	Study of topology of block shift networks via topological indices. Proyecciones, 2020, 39, 887-902.	0.1	4
159	Redefined Zagreb indices of Rhombic, triangular, Hourglass and Jagged-rectangle benzenoid systems. Proyecciones, 2020, 39, 851-867.	0.1	1
160	M-polynomial and neighborhood M-polynomial methods for topological indices of porous graphene. European Physical Journal Plus, 2021, 136, 1.	1.2	19
162	Computation of topological indices of polystyrene. AIP Conference Proceedings, 2020, , .	0.3	0
163	Sanskruti Index of Some Important Bethe Trees. , 2021, , .		0

#	Article	IF	Citations
164	QSPR analysis of Alkanes with certain degree based topological indices. Malaya Journal of Matematik, 2020, 8, 314-330.	0.1	3
165	Algebraic Polynomial Based Topological Properties of Anti-Tumor Drug; Hyaluronic Acid-Doxorubicin (HAD). Polycyclic Aromatic Compounds, 2022, 42, 7049-7070.	1.4	2
166	On Topological Analysis of Entropy Measures for Silicon Carbides Networks. Complexity, 2021, 2021, 1-26.	0.9	6
167	M-polynomials and degree-based topological indices of tadpole graph. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 2059-2072.	0.5	22
168	On Analysis of Topological Indices for Graphitic Carbon Nitride via Enthalpy and Entropy Measurements. Polycyclic Aromatic Compounds, 0, , 1-16.	1.4	1
169	Quantitative <scp>structure–property</scp> relationship of edge weighted and degree–based entropy of benzene derivatives. International Journal of Quantum Chemistry, 2022, 122, e26839.	1.0	16
170	Topological Indices of Pent-Heptagonal Nanosheets via M-Polynomials. Journal of Mathematics, 2021, 2021, 1-13.	0.5	1
171	Expected Values of Some Molecular Descriptors in Random Cyclooctane Chains. Symmetry, 2021, 13, 2197.	1.1	9
172	A relation between a vertex-degree-based topological index and its energy. Linear Algebra and Its Applications, 2022, 636, 134-142.	0.4	11
173	On Reverse Valency Based Topological Indices of Metal–Organic Framework. Polycyclic Aromatic Compounds, 2023, 43, 860-873.	1.4	3
174	Extremal augmented Zagreb index of trees with given numbers of vertices and leaves. Discrete Mathematics, 2022, 345, 112753.	0.4	9
175	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.	0.5	2
176	The Degree-Based Topological Indices for Two Special Families of Graphs of Diameter Three. Advances in Mathematical Physics, 2021, 2021, 1-8.	0.4	0
177	Upper Bounds of AZI and ABC Index for Transformed Families of Graphs. Mathematical Problems in Engineering, 2022, 2022, 1-14.	0.6	0
178	Computing Reverse Degree Based Topological Indices of Vanadium Carbide. Polycyclic Aromatic Compounds, 2023, 43, 1172-1191.	1.4	3
179	On Degree Based Topological Indices of TiO2 Crystal via M-Polynomial. Trends in Sciences, 2022, 19, 2022.	0.2	0
180	On Topological Indices for Complex Indium Phosphate Network and Their Applications. Complexity, 2022, 2022, 1-17.	0.9	1
181	Physical Analysis of Heat for Formation and Entropy of Ceria Oxide Using Topological Indices. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 441-450.	0.6	73

#	ARTICLE	IF	CITATIONS
182	M-polynomial and Degree-Based Topological Indices of Subdivided Chain Hex-Derived Network of Type 3. Communications in Computer and Information Science, 2022, , 410-424.	0.4	1
183	Molecular Structural Characterization of Supercorenene and Triangle-Shaped Discotic Graphene. Polycyclic Aromatic Compounds, 2023, 43, 2080-2103.	1.4	5
184	Graph entropies, enumeration of circuits, walks and topological properties of three classes of isoreticular metal organic frameworks. Journal of Mathematical Chemistry, 2022, 60, 695-732.	0.7	20
185	Topological Properties of Concealed Non-Kekulean Benzenoid Hydrocarbon. Polycyclic Aromatic Compounds, 2023, 43, 1776-1787.	1.4	9
186	On Analysis of Topological Aspects of Entropy Measures for Polyphenylene Structure. Polycyclic Aromatic Compounds, 2023, 43, 2335-2355.	1.4	2
187	On Rational Curve Fitting between Topological Indices and Entropy Measures for Graphite Carbon Nitride. Polycyclic Aromatic Compounds, 2023, 43, 2553-2570.	1.4	8
188	Analysis of Topological Aspects for Metal-Insulator Transition Superlattice Network. Complexity, 2022, 2022, 1-11.	0.9	4
189	Comparative Analysis of Subdivided Hex-Derived Networks Using Structural Descriptors. Journal of Chemistry, 2022, 2022, 1-18.	0.9	2
190	Topological Coindices and Quantitative Structure-Property Analysis of Antiviral Drugs Investigated in the Treatment of COVID-19. Journal of Chemistry, 2022, 2022, 1-15.	0.9	17
191	Degree-based topological indices of geranyl and farnesyl penicillin G bioconjugate structure. European Physical Journal Plus, 2022, 137, 1.	1.2	6
192	Degree Based Weighted Entropy Indices of Hyaluronic Acid-Curcumin Conjugates: an Anti-Tumor Drug. Polycyclic Aromatic Compounds, 2023, 43, 482-499.	1.4	9
193	Topological indices of the subdivision graphs of the nanostructure $TUC_4C_8(R)$ using M-polynomials. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 265-282.	0.5	0
194	CoM-polynomial and topological coindices of hyaluronic acid conjugates. Arabian Journal of Chemistry, 2022, 15, 103911.	2.3	8
198	Multiplicative Topological Properties on Degree Based for Fourth Type of Hex-Derived Networks. Journal of Function Spaces, 2022, 2022, 1-10.	0.4	2
199	Hosoya index of VDB-weighted graphs. Discrete Applied Mathematics, 2022, 317, 18-25.	0.5	1
200	Degree-Based Molecular Descriptors and QSPR Analysis of Breast Cancer Drugs. Journal of Mathematics, 2022, 2022, 1-13.	0.5	9
201	Some New Bounds for the Inverse Sum Indeg Energy of Graphs. Axioms, 2022, 11, 243.	0.9	4
202	Topological Indices of Novel Drugs Used in Diabetes Treatment and Their QSPR Modeling. Journal of Mathematics, 2022, 2022, 1-17.	0.5	12

#	Article	IF	Citations
203	Energy of a digraph with respect to a VDB topological index. Special Matrices, 2022, 10, 417-426.	0.2	2
204	Computation of Zagreb Polynomials and Zagreb Indices for Benzenoid Triangular & Hourglass System. Polycyclic Aromatic Compounds, 2023, 43, 4386-4395.	1.4	19
205	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.	1.4	21
206	Comparative study of chitosan derivatives through <scp>CoM</scp>â€polynomial. International Journal of Quantum Chemistry, 2022, 122, .	1.0	4
207	A new perspective on the modeling and topological characterization of H-Naphtalenic nanosheets with applications. Journal of Molecular Modeling, 2022, 28, .	0.8	29
208	On Some Topological Indices of Metal-Organic Frameworks. Polycyclic Aromatic Compounds, 2023, 43, 5607-5628.	1.4	3
209	On Reverse Valency Based Topological Characterization of a Chemical Compound. Journal of Mathematics, 2022, 2022, 1-17.	0.5	1
210	On analysis of heat of formation and entropy measures for indium phosphide. Arabian Journal of Chemistry, 2022, 15, 104218.	2.3	2
211	On topological polynomials and indices for metal-organic and cuboctahedral bimetallic networks. Main Group Metal Chemistry, 2022, 45, 136-151.	0.6	2
212	On the Sanskruti index of graphs. Journal of Applied Mathematics and Computing, 2023, 69, 1205-1219.	1.2	6
213	Theoretical Analysis of Superphenalene Using Different Kinds of VDB Indices. Journal of Chemistry, 2022, 2022, 1-10.	0.9	5
214	Study of Ge-Sb-Te Superlattice Structure Based on Topological Descriptors. Journal of Mathematics, 2022, 2022, 1-9.	0.5	2
215	M-polynomial and Correlated Topological Indices of Antiviral Drug Molnupiravir Used as a Therapy for COVID-19. Polycyclic Aromatic Compounds, 2023, 43, 7027-7041.	1.4	3
216	The Entire Zagreb index is based on H â€" Naphtalenic nanotubes. Materials Today: Proceedings, 2022, , .	0.9	0
217	Algebraic Properties for Molecular Structure ofç‡magnesiumç‡Ÿodide. CMES - Computer Modeling in Engineering and Sciences, 2023, 135, 1131-1146.	0.8	2
218	Potential application of novel <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si168.svg" display="inline" id="d1e5532"><mml:mrow><mml:mi>A</mml:mi><mml:mi>L</mml:mi></mml:mrow></mml:math>-indices as molecular descriptors. Journal of Molecular Graphics and Modelling, 2023, 118, 108353.	1.3	1
219	Topological Indices of Novel Drugs Used in Cardiovascular Disease Treatment and Its QSPR Modeling. Journal of Chemistry, 2022, 2022, 1-13.	0.9	5
220	Targeting highly resisted anticancer drugs through topological descriptors using VIKOR multi-criteria decision analysis. European Physical Journal Plus, 2022, 137, .	1.2	10

#	Article	IF	Citations
221	Structural Analysis and Topological Characterization of Sudoku Nanosheet. Journal of Mathematics, 2022, 2022, 1-10.	0.5	22
222	Topological Indices of Novel Drugs Used in Autoimmune Disease Vitiligo Treatment and Its QSPR Modeling. BioMed Research International, 2022, 2022, 1-14.	0.9	10
223	Irregularity molecular descriptors of VC5C7[m,n] and HC5C7[m,n] nanotubes. Frontiers in Physics, 0, 10, .	1.0	1
224	On Curve Fitting between Heat of Formation and Entropy Measures for Fe Phthalocyanine. Polycyclic Aromatic Compounds, 0, , 1-13.	1.4	2
225	Some Novel Results Involving Prototypical Computation of Zagreb Polynomials and Indices for SiO4 Embedded in a Chain of Silicates. Molecules, 2023, 28, 201.	1.7	6
226	Topological characterization and entropy measures of large cavity cycloarene oligomers. European Physical Journal Plus, 2022, 137, .	1.2	15
227	On Computation and Analysis of Entropy Measures for Metal-Insulator Transition Super Lattice. IETE Journal of Research, 0, , 1-12.	1.8	3
228	Extremal values of VDB topological indices over F-benzenoids with equal number of edges. Mathematical Biosciences and Engineering, 2023, 20, 5169-5193.	1.0	1
229	Multiplicative Topological Indices of the Crystal Cubic Carbon Structure. Crystal Research and Technology, 2023, 58, .	0.6	7
230	On physical analysis of topological co-indices for beryllium oxide via curve fitting models. Journal of Molecular Structure, 2023, 1278, 134933.	1.8	2
231	The Expected Values of Augmented Zagreb and Arithmetic-Geometric Indices in Random Polyphenyl Chains. Polycyclic Aromatic Compounds, 0, , 1-12.	1.4	0
232	UM ESTUDO SOBRE O ÃNDICE DE CONECTIVIDADE DE LIGAÃ‡ÃƒO ATÃ"MICA EM GRAFOS QUÃMICOS. Revista Foco, 2023, 16, e770.	0.1	0
233	QSPR Modeling with Curvilinear Regression on the Reverse Entropy Indices for the Prediction of Physicochemical Properties of Benzene Derivatives. Polycyclic Aromatic Compounds, 0, , 1-18.	1.4	8
234	Second leap hyper-Zagreb coindex of certain benzenoid structures and their polynomials. Computational and Theoretical Chemistry, 2023, 1223, 114088.	1.1	5
235	The k-apex trees with minimum augmented Zagreb index. Discrete Mathematics, 2023, 346, 113390.	0.4	1
236	Enumerating Subtrees of Flower and Sunflower Networks. Symmetry, 2023, 15, 284.	1.1	0
237	Topological aspects of metal–organic frameworks: Zinc silicate and oxide networks. Computational and Theoretical Chemistry, 2023, 1222, 114056.	1.1	5
238	On Entropy Measures for Crystallographic Structure of Silicon–Carbon Networks. Polycyclic Aromatic Compounds, 2024, 44, 375-402.	1.4	3

#	Article	IF	Citations
239	Inverse degree index: exponential extension and applications. Journal of Mathematical Chemistry, 2023, 61, 1217-1237.	0.7	0
240	On Neighborhood Degree-Based Topological Analysis over Melamine-Based TriCF Structure. Symmetry, 2023, 15, 635.	1.1	3
241	Structural descriptors of anthracene using topological coindices through CoM-polynomial. Journal of Intelligent and Fuzzy Systems, 2023, 44, 8425-8436.	0.8	5
242	Estimating the physicochemical properties of antiemetics using degree-based topological descriptors. Molecular Physics, 2023, 121, .	0.8	10
243	Topological Indices of Total Graph and Zero Divisor Graph of Commutative Ring: A Polynomial Approach. Complexity, 2023, 2023, 1-16.	0.9	1
244	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.	0.7	5
245	Topological indices of line graph of transition metal tetra cyano benzene organic network. Molecular Physics, 2023, 121, .	0.8	0
247	Computational studies of toxicity and properties of Î²-diketones through topological indices and M/NM-polynomials. Computational and Theoretical Chemistry, 2023, 1224, 114108.	1.1	5
248	A Perspective Approach to Study the Valency-Based Irregular Indices for Benzenoid Planar Octahedron Structures. Journal of Chemistry, 2023, 2023, 1-19.	0.9	0
249	Predictive ability of physicochemical properties of antiemetic drugs using degree‐based entropies. International Journal of Quantum Chemistry, 2023, 123, .	1.0	7
250	Topological indices and entropy of twisted cylinder‐nonorientable hexagonal <scp>Mobius</scp> strip. International Journal of Quantum Chemistry, 2023, 123, .	1.0	1
251	Computation of Benzenoid Planar Octahedron Networks by Using Topological Indices. Mathematical Problems in Engineering, 2023, 2023, 1-16.	0.6	0
252	Comparative study of degree-based molecular descriptors of cyclodextrins through M-polynomial and NM-polynomial. Journal of the Indian Chemical Society, 2023, 100, 100999.	1.3	1
256	Molecular Descriptors in QSPR/QSAR Modeling. Challenges and Advances in Computational Chemistry and Physics, 2023, , 25-56.	0.6	1
260	On Topological Index of Naturally Occurring Zeolite Material [4, n]. Industrial and Applied Mathematics, 2023, , 229-244.	0.3	0
264	Computation of sixteen topological indices of certain conjugated polymers. AIP Conference Proceedings, 2023, , .	0.3	0