

# Wei Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1419545/publications.pdf>

Version: 2024-02-01

241  
papers

6,295  
citations

76294

40  
h-index

102432

66  
g-index

243  
all docs

243  
docs citations

243  
times ranked

2673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of biological networks using graph theory. Saudi Journal of Biological Sciences, 2018, 25, 1212-1219.	1.8	226
2	Different states of multi-block based forecast engine for price and load prediction. International Journal of Electrical Power and Energy Systems, 2019, 104, 423-435.	3.3	209
3	Partial multi-dividing ontology learning algorithm. Information Sciences, 2018, 467, 35-58.	4.0	179
4	Nano properties analysis via fourth multiplicative ABC indicator calculating. Arabian Journal of Chemistry, 2018, 11, 793-801.	2.3	177
5	A new study of unreported cases of 2019-nCoV epidemic outbreaks. Chaos, Solitons and Fractals, 2020, 138, 109929.	2.5	176
6	Complex solitons in the conformable (2+1)-dimensional Ablowitz-Kaup-Newell-Segur equation. AIMS Mathematics, 2020, 5, 507-521.	0.7	160
7	Novel Dynamic Structures of 2019-nCoV with Nonlocal Operator via Powerful Computational Technique. Biology, 2020, 9, 107.	1.3	129
8	Forgotten topological index of chemical structure in drugs. Saudi Pharmaceutical Journal, 2016, 24, 258-264.	1.2	127
9	An independent set degree condition for fractional critical deleted graphs. Discrete and Continuous Dynamical Systems - Series S, 2019, 12, 877-886.	0.6	117
10	Topological Characterization of Carbon Graphite and Crystal Cubic Carbon Structures. Molecules, 2017, 22, 1496.	1.7	114
11	New numerical simulations for some real world problems with Atangana-Baleanu fractional derivative. Chaos, Solitons and Fractals, 2019, 128, 34-43.	2.5	109
12	New approach for the model describing the deathly disease in pregnant women using Mittag-Leffler function. Chaos, Solitons and Fractals, 2020, 134, 109696.	2.5	108
13	Optical Soliton Solutions of the Cubic-Quartic Nonlinear Schrödinger and Resonant Nonlinear Schrödinger Equation with the Parabolic Law. Applied Sciences (Switzerland), 2020, 10, 219.	1.3	107
14	The eccentric connectivity polynomial of two classes of nanotubes. Chaos, Solitons and Fractals, 2016, 89, 290-294.	2.5	96
15	The first multiplication atom-bond connectivity index of molecular structures in drugs. Saudi Pharmaceutical Journal, 2017, 25, 548-555.	1.2	92
16	Characteristics studies of molecular structures in drugs. Saudi Pharmaceutical Journal, 2017, 25, 580-586.	1.2	91
17	Topological Indices Study of Molecular Structure in Anticancer Drugs. Journal of Chemistry, 2016, 1-8.	0.9	89
18	Novel explicit solutions for the nonlinear Zoomeron equation by using newly extended direct algebraic technique. Optical and Quantum Electronics, 2020, 52, 1.	1.5	88

#	ARTICLE	IF	CITATIONS
19	New investigation of bats-hosts-reservoir-people coronavirus model and application to 2019-nCoV system. <i>Advances in Difference Equations</i> , 2020, 2020, 391.	3.5	79
20	Comprehensive preference learning and feature validity for designing energy-efficient residential buildings using machine learning paradigms. <i>Applied Soft Computing Journal</i> , 2019, 84, 105748.	4.1	73
21	New numerical simulation for fractional Benneyâ€“Lin equation arising in falling film problems using two novel techniques. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 210-243.	2.0	72
22	New Numerical Results for the Time-Fractional Phi-Four Equation Using a Novel Analytical Approach. <i>Symmetry</i> , 2020, 12, 478.	1.1	71
23	Distance learning techniques for ontology similarity measuring and ontology mapping. <i>Cluster Computing</i> , 2017, 20, 959-968.	3.5	69
24	A powerful approach for fractional Drinfeldâ€“Sokolovâ€“Wilson equation with Mittag-Leffler law. <i>AEJ - Alexandria Engineering Journal</i> , 2019, 58, 1301-1311.	3.4	69
25	Developing GPR model for forecasting the rock fragmentation in surface mines. <i>Engineering With Computers</i> , 2018, 34, 339-345.	3.5	66
26	New isolated toughness condition for fractional $(g,f,n)$ -critical graphs. <i>Colloquium Mathematicum</i> , 2017, 147, 55-65.	0.2	62
27	The Vertex Version of Weighted Wiener Number for Bicyclic Molecular Structures. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-10.	0.7	61
28	Margin based ontology sparse vector learning algorithm and applied in biology science. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 132-138.	1.8	58
29	Ontology learning algorithm for similarity measuring and ontology mapping using linear programming. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 33, 3153-3163.	0.8	55
30	Regarding new numerical solution of fractional Schistosomiasis disease arising in biological phenomena. <i>Chaos, Solitons and Fractals</i> , 2020, 133, 109661.	2.5	55
31	Some mixed trigonometric complex soliton solutions to the perturbed nonlinear SchrÃ¶dinger equation. <i>Modern Physics Letters B</i> , 2020, 34, 2050034.	1.0	55
32	The Zagreb topological indices for a type of Benzenoid systems jagged-rectangle. <i>Journal of Interdisciplinary Mathematics</i> , 2017, 20, 1341-1348.	0.4	54
33	Complex and Real Optical Soliton Properties of the Paraxial Non-linear SchrÃ¶dinger Equation in Kerr Media With M-Fractional. <i>Frontiers in Physics</i> , 2019, 7, .	1.0	52
34	A tight neighborhood union condition on fractional $(g,f,n^{\text{TM}},m)$ -critical deleted graphs. <i>Colloquium Mathematicum</i> , 2017, 149, 291-298.	0.2	51
35	Second Atom-Bond Connectivity Index of Special Chemical Molecular Structures. <i>Journal of Chemistry</i> , 2014, 2014, 1-8.	0.9	48
36	Degree-based indices computation for special chemical molecular structures using edge dividing method. <i>Applied Mathematics and Nonlinear Sciences</i> , 2016, 1, 99-122.	0.9	48

#	ARTICLE	IF	CITATIONS
37	Modified Predictor-Corrector Method for the Numerical Solution of a Fractional-Order SIR Model with 2019-nCoV. <i>Fractal and Fractional</i> , 2022, 6, 92.	1.6	48
38	Strong Interacting Internal Waves in Rotating Ocean: Novel Fractional Approach. <i>Axioms</i> , 2021, 10, 123.	0.9	46
39	On Topological Indices of Certain Dendrimer Structures. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 559-566.	0.7	45
40	The hyper-zagreb index for an infinite family of nanostar dendrimer. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2017, 20, 515-523.	0.5	44
41	Electron Energy Studying of Molecular Structures via Forgotten Topological Index Computation. <i>Journal of Chemistry</i> , 2016, 2016, 1-7.	0.9	42
42	Two Tight Independent Set Conditions for Fractional $(g, \hat{A}, \hat{A}m)$ -Deleted Graphs Systems. <i>Qualitative Theory of Dynamical Systems</i> , 2018, 17, 231-243.	0.8	42
43	Calculating the Degree-based Topological Indices of Dendrimers. <i>Open Chemistry</i> , 2018, 16, 681-688.	1.0	42
44	Some Reverse Degree-Based Topological Indices and Polynomials of Dendrimers. <i>Mathematics</i> , 2018, 6, 214.	1.1	40
45	Investigating lump and its interaction for the third-order evolution equation arising propagation of long waves over shallow water. <i>European Journal of Mechanics, B/Fluids</i> , 2020, 84, 289-301.	1.2	39
46	Development of a novel soft-computing framework for the simulation aims: a case study. <i>Engineering With Computers</i> , 2019, 35, 315-322.	3.5	37
47	Ontology Sparse Vector Learning Algorithm for Ontology Similarity Measuring and Ontology Mapping via ADAL Technology. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1540034.	0.7	36
48	On Certain Topological Indices of Boron Triangular Nanotubes. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 711-716.	0.7	36
49	Topological Indices of Hyaluronic Acid-Paclitaxel Conjugates™ Molecular Structure in Cancer Treatment. <i>Open Chemistry</i> , 2019, 17, 81-87.	1.0	36
50	A predictive model based on an optimized ANN combined with ICA for predicting the stability of slopes. <i>Engineering With Computers</i> , 2020, 36, 325-344.	3.5	35
51	Ranking based ontology scheming using eigenpair computation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 31, 2411-2419.	0.8	34
52	ITERATIVE METHOD APPLIED TO THE FRACTIONAL NONLINEAR SYSTEMS ARISING IN THERMOELASTICITY WITH MITTAG-LEFFLER KERNEL. <i>Fractals</i> , 2020, 28, 2040040.	1.8	34
53	User-Based Collaborative Filtering for Tourist Attraction Recommendations. , 2015, , .		33
54	Revised Szeged index and revised edge-szeged index of special chemical molecular structures. <i>Journal of Interdisciplinary Mathematics</i> , 2016, 19, 495-516.	0.4	33

#	ARTICLE	IF	CITATIONS
55	Analysis of $k$ -partite ranking algorithm in area under the receiver operating characteristic curve criterion. International Journal of Computer Mathematics, 2018, 95, 1527-1547.	1.0	33
56	Forecasting Crude Oil Price Using Kalman Filter Based on the Reconstruction of Modes of Decomposition Ensemble Model. IEEE Access, 2019, 7, 149908-149925.	2.6	33
57	Tight bounds for the existence of path factors in network vulnerability parameter settings. International Journal of Intelligent Systems, 2021, 36, 1133-1158.	3.3	33
58	Revan and hyper-Revan indices of Octahedral and icosahedral networks. Applied Mathematics and Nonlinear Sciences, 2018, 3, 33-40.	0.9	33
59	Construction of Nonlinear Component of Block Cipher by Action of Modular Group $PSL(2, Z)$ on Projective Line $PL(GF(2^8))$ . IEEE Access, 2020, 8, 136736-136749.	2.6	32
60	New exact solitary wave solutions, bifurcation analysis and first order conserved quantities of resonance nonlinear Schrödinger's equation with Kerr law nonlinearity. Journal of King Saud University - Science, 2021, 33, 101180.	1.6	32
61	Szeged Related Indices of $TUAC_6[p, q]$ . Journal of Discrete Mathematical Sciences and Cryptography, 2017, 20, 553-563.	0.5	31
62	A new numerical investigation of fractional order susceptible-infected-recovered epidemic model of childhood disease. AEJ - Alexandria Engineering Journal, 2022, 61, 1747-1756.	3.4	31
63	Topological aspects of some dendrimer structures. Nanotechnology Reviews, 2018, 7, 123-129.	2.6	30
64	Preparation and development of FeS <sub>2</sub> Quantum Dots on SiO <sub>2</sub> nanostructures immobilized in biopolymers and synthetic polymers as nanoparticles and nanofibers catalyst for antibiotic degradation. International Journal of Biological Macromolecules, 2018, 114, 357-362.	3.6	30
65	On the Degree-Based Topological Indices of Some Derived Networks. Mathematics, 2019, 7, 612.	1.1	29
66	Gradient Learning Algorithms for Ontology Computing. Computational Intelligence and Neuroscience, 2014, 2014, 1-12.	1.1	28
67	On the edge-version atom-bond connectivity and geometric arithmetic indices of certain graph operations. Applied Mathematics and Computation, 2017, 308, 11-17.	1.4	28
68	Degree Conditions for Fractional $(g, f, n', m)$ -Critical Deleted Graphs and Fractional $ID-(g, \hat{A}, \hat{A}m)$ -Deleted Graphs. Bulletin of the Malaysian Mathematical Sciences Society, 2016, 39, 315-330.	0.4	27
69	Molecular Descriptors of Nanotube, Oxide, Silicate, and Triangulene Networks. Journal of Chemistry, 2017, 2017, 1-10.	0.9	27
70	M-Polynomials and Degree-Based Topological Indices of the Crystallographic Structure of Molecules. Biomolecules, 2018, 8, 107.	1.8	27
71	On Eccentricity-Based Topological Indices Study of a Class of Porphyrin-Cored Dendrimers. Biomolecules, 2018, 8, 71.	1.8	26
72	Ontology algorithm using singular value decomposition and applied in multidisciplinary. Cluster Computing, 2016, 19, 2201-2210.	3.5	25

#	ARTICLE	IF	CITATIONS
73	Three algorithms for graph locally harmonious colouring. <i>Journal of Difference Equations and Applications</i> , 2017, 23, 8-20.	0.7	25
74	Ultimate bound estimation set and chaos synchronization for a financial risk system. <i>Mathematics and Computers in Simulation</i> , 2018, 154, 19-33.	2.4	25
75	On Irregularity Measures of Some Dendrimers Structures. <i>Mathematics</i> , 2019, 7, 271.	1.1	25
76	Topological Aspects of Dendrimers via Distance Based Descriptors. <i>IEEE Access</i> , 2019, 7, 35619-35630.	2.6	25
77	TIGHT TOUGHNESS CONDITION FOR FRACTIONAL $(g, f, n)$ -CRITICAL GRAPHS. <i>Journal of the Korean Mathematical Society</i> , 2014, 51, 55-65.	0.4	25
78	The hyper-Zagreb index and some graph operations. <i>Journal of Applied Mathematics and Computing</i> , 2017, 54, 263-275.	1.2	24
79	On topological properties of sierpinski networks. <i>Chaos, Solitons and Fractals</i> , 2017, 98, 199-204.	2.5	24
80	On the Complex Simulations With Darkâ€“Bright to the Hirotaâ€“Maccari System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2021, 16, .	0.7	24
81	Calculating topological indices of certain OTIS interconnection networks. <i>Open Chemistry</i> , 2019, 17, 220-228.	1.0	23
82	Periodic waves of the non dissipative double dispersive micro strain wave in the micro structured solids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123772.	1.2	23
83	Topological Indices of the Line Graph of Subdivision Graph of Complete Bipartite Graphs. <i>Applied Mathematics and Information Sciences</i> , 2017, 11, 1631-1636.	0.7	23
84	Analysis of fractional factor system for data transmission in SDN. <i>Applied Mathematics and Nonlinear Sciences</i> , 2019, 4, 191-196.	0.9	23
85	Topics on data transmission problem in software definition network. <i>Open Physics</i> , 2017, 15, 501-508.	0.8	22
86	A Toughness Condition for Fractional $(k, m)$ -deleted Graphs Revisited. <i>Acta Mathematica Sinica, English Series</i> , 2019, 35, 1227-1237.	0.2	22
87	On the Edges Version of Atom-Bond Connectivity Index of Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 6733-6740.	0.4	22
88	Toughness condition for a graph to be all fractional $(g,f,n)$ -critical deleted. <i>Filomat</i> , 2019, 33, 2735-2746.	0.2	22
89	Ontology Similarity Measure and Ontology Mapping Via Fast Ranking Method. <i>International Journal of Applied Physics and Mathematics</i> , 2011, , 54-59.	0.3	22
90	Ontology Similarity Measure by Optimizing NDCG Measure and Application in Physics Education. <i>Lecture Notes in Electrical Engineering</i> , 2012, , 415-421.	0.3	21

#	ARTICLE	IF	CITATIONS
91	On the First and Second Zagreb and First and Second Hyper-Zagreb Indices of <i>Carbon Nanocones</i> $CNC_k[n]$ . <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 7475-7482.	0.4	21
92	Stability Analysis of Learning Algorithms for Ontology Similarity Computation. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-9.	0.3	20
93	Regarding the group preserving scheme and method of line to the numerical simulations of Klein-Gordon model. <i>Results in Physics</i> , 2019, 15, 102555.	2.0	20
94	Modified eccentric descriptors of crystal cubic carbon. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2019, 22, 1215-1228.	0.5	20
95	Longitudinal strain waves propagating in an infinitely long cylindrical rod composed of generally incompressible materials and its Jacobi elliptic function solutions. <i>Mathematics and Computers in Simulation</i> , 2021, 182, 566-602.	2.4	20
96	Zagreb Connection Indices of Two Dendrimer Nanostars. <i>Acta Chemica Iasi</i> , 2019, 27, 1-14.	0.1	20
97	Ontology Similarity Measure and Ontology Mapping via Learning Optimization Similarity Function. <i>International Journal of Machine Learning and Computing</i> , 2012, , 107-112.	0.8	20
98	Designing of Morlet wavelet as a neural network for a novel prevention category in the HIV system. <i>International Journal of Biomathematics</i> , 2022, 15, .	1.5	20
99	On the irregularity of some molecular structures. <i>Canadian Journal of Chemistry</i> , 2017, 95, 174-183.	0.6	19
100	Analytical and approximate solutions of an epidemic system of HIV/AIDS transmission. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3197-3211.	3.4	19
101	Network vulnerability parameter and results on two surfaces. <i>International Journal of Intelligent Systems</i> , 2021, 36, 4392-4414.	3.3	19
102	The Eccentricity Version of Atom-Bond Connectivity Index of Linear Polycene Parallelogram Benzenoid $ABC_5(P(n,n))$ . <i>Acta Chimica Slovenica</i> , 2016, 63, 376-379.	0.2	19
103	Kinetic modeling of pyrolysis of three Iranian waste oils in a micro-fluidized bed. <i>Petroleum Science and Technology</i> , 2017, 35, 183-189.	0.7	18
104	Ontology optimization tactics via distance calculating. <i>Applied Mathematics and Nonlinear Sciences</i> , 2016, 1, 159-174.	0.9	18
105	Wiener Index of Gear Fan Graph and Gear Wheel Graph. <i>Asian Journal of Chemistry</i> , 2014, 26, 3397-3400.	0.1	17
106	Ultrasound-electrospinning-assisted fabrication and sensing evaluation of a novel membrane as ultrasensitive sensor for copper (II) ions detection in aqueous environment. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 152-161.	3.8	17
107	Computing multiple ABC index and multiple GA index of some grid graphs. <i>Open Physics</i> , 2018, 16, 588-598.	0.8	17
108	M-Polynomials and Topological Indices of Dominating David Derived Networks. <i>Open Chemistry</i> , 2018, 16, 201-213.	1.0	17

#	ARTICLE	IF	CITATIONS
109	A Novel Multi-Attribute Group Decision-Making Approach in the Framework of Proportional Dual Hesitant Fuzzy Sets. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1232.	1.3	17
110	Modulation instability analysis and perturbed optical soliton and other solutions to the Gerdjikov-Ivanov equation in nonlinear optics. <i>Modern Physics Letters B</i> , 2020, 34, 2050404.	1.0	17
111	Fine-grained semantic ethnic costume high-resolution image colorization with conditional GAN. <i>International Journal of Intelligent Systems</i> , 2022, 37, 2952-2968.	3.3	17
112	Sharp Bounds of the Hyper-Zagreb Index on Acyclic, Unicyclic, and Bicyclic Graphs. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-5.	0.5	16
113	Bounds on Topological Descriptors of the Corona Product of $\sum$ and $\text{C}_n$ . <i>IEEE Access</i> , 2019, 7, 26788-26796.	2.6	16
114	Developing an innovative soft computing scheme for prediction of air overpressure resulting from mine blasting using GMDH optimized by GA. <i>Engineering With Computers</i> , 2020, 36, 647-654.	3.5	16
115	Brain tumor diagnosis based on artificial neural network and a chaos whale optimization algorithm. <i>Computational Intelligence</i> , 2020, 36, 259-275.	2.1	16
116	On the Edges Version of Atom-Bond Connectivity and Geometric Arithmetic Indices of Nanocones $CNC_{k,n}$ . <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 6741-6746.	0.4	16
117	The Redefined First, Second and Third Zagreb Indices of Titania Nanotubes $TiO_2[m,n]$ . <i>Open Biotechnology Journal</i> , 2016, 10, 272-277.	0.6	16
118	On eccentricity-based topological descriptors of water-soluble dendrimers. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2018, 74, 25-33.	0.6	15
119	Remarks on Multiplicative Atom-Bond Connectivity Index. <i>IEEE Access</i> , 2019, 7, 76806-76811.	2.6	15
120	Investigation of optical solitons to the nonlinear complex Kundu-Eckhaus and Zakharov-Kuznetsov-Benjamin-Bona-Mahony equations in conformable. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	15
121	Gradient descent technology for sparse vector learning in ontology algorithms. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2016, 19, 753-775.	0.5	14
122	Computing Certain Topological Indices of the Line Graphs of Subdivision Graphs of Some Rooted Product Graphs. <i>Mathematics</i> , 2019, 7, 393.	1.1	14
123	"polynomial exponential type" convex function with some related inequalities and their applications. <i>Heliyon</i> , 2020, 6, e05420.	1.4	14
124	Studying on Kudryashov-Sinelshchikov dynamical equation arising in mixtures liquid and gas bubbles. <i>Thermal Science</i> , 2022, 26, 1229-1244.	0.5	14
125	Calculating degree-based topological indices of dominating David derived networks. <i>Open Physics</i> , 2017, 15, 1015-1021.	0.8	13
126	An automatic coloring method for ethnic costume sketches based on generative adversarial networks. <i>Applied Soft Computing Journal</i> , 2021, 98, 106786.	4.1	13



#	ARTICLE	IF	CITATIONS
127	Topological aspects of 2D structures of trans- $Pd$ ( $\mathbb{Z}_2$ -homomorphism). <i>Journal of Mathematical Sciences</i> , 2018, 237, 37-47.	0.7	13
128	Wiener polarity index of quasi-tree molecular structures. <i>Open Journal of Mathematical Sciences</i> , 2018, 73-83.	0.7	13
129	Computing the Reverse Eccentric Connectivity Index for Certain Family of Nanocone and Fullerene Structures. <i>Journal of Nanotechnology</i> , 2016, 2016, 1-6.	1.5	12
130	The Topological Aspects of Phthalocyanines and Porphyrins Dendrimers. <i>IEEE Access</i> , 2020, 8, 168631-168649.	2.6	12
131	On irregularity descriptors of derived graphs. <i>AIMS Mathematics</i> , 2020, 5, 4085-4107.	0.7	12
132	Mathematical modeling of unsteady-state gasification of petroleum residue. <i>Petroleum Science and Technology</i> , 2016, 34, 1946-1951.	0.7	11
133	The Edge Versions of Degree-Based Topological Descriptors of Dendrimers. <i>Journal of Cluster Science</i> , 2020, 31, 445-452.	1.7	11
134	Deeper investigations of the $(4 + 1)$ -dimensional Fokas and $(2 + 1)$ -dimensional Breaking soliton equations. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050152.	1.0	11
135	The Extension Degree Conditions for Fractional Factor. <i>Acta Mathematica Sinica, English Series</i> , 2020, 36, 305-317.	0.2	11
136	Computation of Mostar index for some graph operations. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26674.	1.0	11
137	Tight binding number bound for $\mathbb{Z}_3$ -factor uniform graphs. <i>Information Processing Letters</i> , 2021, 172, 106162.	0.4	11
138	Geometric-arithmetic Index and Zagreb Indices of Certain Special Molecular Graphs. <i>Journal of Advances in Chemistry</i> , 2014, 10, 2254-2261.	0.1	11
139	Aspen Plus simulation of steam-gasification of different crude oils: A detailed comparison. <i>Petroleum Science and Technology</i> , 2017, 35, 332-337.	0.7	10
140	Prediction of the water content of biodiesel using ANN-MLP: An environmental application. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 987-993.	1.2	10
141	Newly Developed Analytical Scheme and Its Applications to the Some Nonlinear Partial Differential Equations with the Conformable Derivative. <i>Fractal and Fractional</i> , 2021, 5, 238.	1.6	10
142	Piecewise function approximation and vertex partitioning schemes for multi-dividing ontology algorithm in AUC criterion setting (I). <i>International Journal of Computer Applications in Technology</i> , 2014, 50, 226.	0.3	9
143	Toughness Condition for a Graph to Be a Fractional Deleted Graph. <i>Scientific World Journal</i> , The. 2014. 2014, 1-7.	0.8	8
144	Computing three topological indices for Titania nanotubes. <i>AKCE International Journal of Graphs and Combinatorics</i> , 2016, 13, 255-260.	0.4	8

#	ARTICLE	IF	CITATIONS
145	Generalization Bounds and Uniform Bounds for Multi-Dividing Ontology Algorithms with Convex Ontology Loss Function. Computer Journal, 0, , .	1.5	8
146	Disequilibrium multi-dividing ontology learning algorithm. Communications in Statistics - Theory and Methods, 2017, 46, 8925-8942.	0.6	8
147	Hydrogen Production from Co-gasification of Coal and Biomass in the Presence of CaO as a Sorbent. Chemical Engineering and Technology, 2018, 41, 447-453.	0.9	8
148	Effect of equivalence ratio on gas distribution and performance parameters in air-gasification of asphaltene: A model based on Artificial Neural Network (ANN). Petroleum Science and Technology, 2019, 37, 202-207.	0.7	8
149	Revised Szeged Index and Revised Edge Szeged Index of Certain Special Molecular Graphs. International Journal of Applied Physics and Mathematics, 2014, 4, 417-425.	0.3	8
150	Distance-based topological polynomials and indices of friendship graphs. SpringerPlus, 2016, 5, 1563.	1.2	7
151	Calculating of degree-based topological indices of nanostructures. , 2017, 1, 173-183.		7
152	DFT study of cyanide oxidation on surface of Ge-embedded carbon nanotube. Chemical Physics Letters, 2018, 695, 44-50.	1.2	7
153	Techno-economic evaluation of biomass-to-synthesis gas (BtS) based on gasification. Energy Sources, Part B: Economics, Planning and Policy, 2018, 13, 83-90.	1.8	7
154	Neighborhood condition for all fractional $(g, f, n^2, m)$ -critical deleted graphs. Open Physics, 2018, 16, 544-553.	0.8	7
155	REGARDING NEW NUMERICAL RESULTS FOR THE DYNAMICAL MODEL OF ROMANTIC RELATIONSHIPS WITH FRACTIONAL DERIVATIVE. Fractals, 2022, 30, .	1.8	7
156	Approximation analysis of ontology learning algorithm in linear combination setting. Journal of Cloud Computing: Advances, Systems and Applications, 2020, 9, .	2.1	7
157	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
158	Kinetic modeling of biomass gasification in a micro fluidized bed. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 643-648.	1.2	6
159	Kinetic modeling of crude oil gasification for hydrogen production with in situ CO2 capture. Petroleum Science and Technology, 2017, 35, 1403-1407.	0.7	6
160	Prediction of chemical exergy of organic substances using artificial neural network-multi layer perceptron. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1826-1832.	1.2	6
161	A discrete dynamics approach to sparse calculation and applied in ontology science. Journal of Difference Equations and Applications, 2019, 25, 1239-1254.	0.7	6
162	Geometric arithmetic and mostar indices of $P_n + P_n + F_n$ . Journal of Information and Optimization Sciences, 2020, 41, 1007-1024.	0.2	6

#	ARTICLE	IF	CITATIONS
163	Molecular descriptors of some chemicals that prevent COVID-19. <i>Current Organic Synthesis</i> , 2020, 17, 729-741.	0.7	6
164	Computing entire Zagreb indices of some dendrimer structures. <i>Main Group Metal Chemistry</i> , 2020, 43, 229-236.	0.6	6
165	Viewing the network parameters and H&E factors from the perspective of geometry. <i>International Journal of Intelligent Systems</i> , 2022, 37, 6686-6728.	3.3	6
166	Computing topological indices of Sudoku graphs. <i>Journal of Applied Mathematics and Computing</i> , 2017, 55, 99-117.	1.2	5
167	Computer-based model of crude oil gasification in a fluidized bed. <i>Petroleum Science and Technology</i> , 2017, 35, 169-174.	0.7	5
168	Catalytic activity of char produced from brown coal for steam-gasification of bitumen oil. <i>Petroleum Science and Technology</i> , 2018, 36, 75-78.	0.7	5
169	Topological study of the para-line graphs of certain pentacene via topological indices. <i>Open Chemistry</i> , 2018, 16, 1200-1206.	1.0	5
170	Parameters and fractional factors in different settings. <i>Journal of Inequalities and Applications</i> , 2019, 2019, .	0.5	5
171	Viscoelastic behavior of carbon nanotube-enriched epoxy matrix hybrid composites reinforced with unidirectional graphite fibers. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 1588-1603.	1.5	5
172	On Computations of Topological Descriptors of Kagome Lattice. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 4895-4909.	1.4	5
173	Remarks on Component Factors. <i>Journal of the Operations Research Society of China</i> , 0, , 1.	0.9	5
174	The measure of irregularities of nanosheets. <i>Open Physics</i> , 2020, 18, 419-431.	0.8	5
175	Vertex PI Index and Szeged Index of Certain Special Molecular Graphs. <i>Open Biotechnology Journal</i> , 2014, 8, 19-22.	0.6	5
176	Domination of Bipolar Fuzzy Graphs in Various Settings. <i>International Journal of Computational Intelligence Systems</i> , 2021, 14, .	1.6	5
177	Newly developed analytical method and its applications of some mathematical models. <i>International Journal of Modern Physics B</i> , 2022, 36, .	1.0	5
178	Mathematical modeling of crude oil combustion at low reynolds number. <i>Petroleum Science and Technology</i> , 2017, 35, 327-331.	0.7	4
179	Computer simulation of coal gasification in a full scale plant. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 768-774.	1.2	4
180	Steam gasification of bitumen oil in presence of Ni/dolomite catalysts. <i>Petroleum Science and Technology</i> , 2017, 35, 2074-2079.	0.7	4

#	ARTICLE	IF	CITATIONS
181	The Topological Variable Computation for a Special Type of Cycloalkanes. <i>Journal of Chemistry</i> , 2017, 2017, 1-8.	0.9	4
182	Steam reforming of gaseous by-products from bitumen oil using various supported Ni-based catalysts. <i>Petroleum Science and Technology</i> , 2018, 36, 34-39.	0.7	4
183	Topological characterization of dendrimer, benzenoid, and nanocone. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2018, 74, 35-43.	0.6	4
184	Application of Metaheuristic Algorithms for Pressure Analysis of Crude Oil Pipeline. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 5124-5142.	1.2	4
185	Neural network modeling of biomass gasification for hydrogen production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 1336-1343.	1.2	4
186	Nordhaus's Gaddum type inequalities for some distance-based indices of bipartite molecular graphs. <i>Journal of Mathematical Chemistry</i> , 2020, 58, 1345-1352.	0.7	4
187	Recent advances in O-formylation of alcohols and phenols using efficient catalysts in eco-friendly media. <i>Synthetic Communications</i> , 2020, 50, 2132-2155.	1.1	4
188	InBr <sub>3</sub> -Catalyzed Synthesis of Highly Functionalized Piperidines and Benzo[a]Pyrano[2,3-c]Phenazines. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 534-542.	1.4	4
189	Two modified Zagreb indices for random structures. <i>Main Group Metal Chemistry</i> , 2021, 44, 150-156.	0.6	4
190	Network performance analysis from binding number prospect. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 1259-1267.	3.3	4
191	Degree-Based Indices of Polyhex Nanotubes and Dendrimer Nanostar. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 1577-1583.	0.4	4
192	Topological indices computing on random chain structures. <i>International Journal of Quantum Chemistry</i> , 2021, 121, .	1.0	4
193	Adsorbed CdO, TiO, RuO <sub>2</sub> , and IrO <sub>2</sub> to silicon nanotube and carbon nanocage for anode of metal-ion battery: a computational study. <i>Monatshefte Für Chemie</i> , 2019, 150, 2025-2028.	0.9	3
194	Prediction of gas composition obtained from steam-gasification of residual oil using an Artificial Neural Network (ANN) model. <i>Petroleum Science and Technology</i> , 2019, 37, 641-644.	0.7	3
195	Vertex Szeged indices of P <sub>2n</sub> + F P <sub>n+1</sub> . <i>Journal of Information and Optimization Sciences</i> , 2020, 41, 991-1006.	0.2	3
196	Mapping ontology vertices to a line using hypergraph framework. <i>International Journal of Cognitive Computing in Engineering</i> , 2020, 1, 1-8.	5.5	3
197	Four New/Old Vertex-Degree-Based Topological Indices of $HAC_{5n}C_{7n}$ [ $\langle p, q \rangle$ ] and $HAC_{5n}C_{6n}C_{7n}$ [ $\langle p, q \rangle$ ] Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 796-799.	0.4	3
198	Omega and the related counting polynomials of some chemical structures. <i>Open Chemistry</i> , 2020, 18, 1167-1172.	1.0	3

#	ARTICLE	IF	CITATIONS
199	Ontology Sparse Vector Learning Based on Accelerated First-Order Method. Open Cybernetics and Systemics Journal, 2015, 9, 657-662.	0.3	3
200	Deeper properties of the nonlinear Phi-four and Gross-Pitaevskii equations arising mathematical physics. Modern Physics Letters B, 2022, 36, .	1.0	3
201	Thermal cracking of tar generated from steam gasification of petroleum residue using dolomite particles. Petroleum Science and Technology, 2017, 35, 1655-1659.	0.7	2
202	Distance indices calculating for two classes of dendrimer. , 2017, 1, 133-142.		2
203	Computing the Ediz eccentric connectivity index of discrete dynamic structures. Open Physics, 2017, 15, 354-359.	0.8	2
204	Techno-economic analysis of biomass-to-biomethanol (BtS) via low-temperature steam gasification. Energy Sources, Part B: Economics, Planning and Policy, 2018, 13, 91-95.	1.8	2
205	Biodiesel production from oil-rich feedstock: A neural network modeling. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 638-644.	1.2	2
206	Ontology geometry distance computation using deep learning technology. Journal of Intelligent and Fuzzy Systems, 2018, 35, 4517-4524.	0.8	2
207	On the Minimal General Sum-Connectivity Index of Connected Graphs Without Pendant Vertices. IEEE Access, 2019, 7, 136743-136751.	2.6	2
208	Graph Learning-Based Ontology Sparse Vector Computing. Symmetry, 2020, 12, 1562.	1.1	2
209	SVM-Based Multi-Dividing Ontology Learning Algorithm and Similarity Measuring on Topological Indices. Frontiers in Physics, 2020, 8, .	1.0	2
210	Hypergraph Ontology Sparse Vector Representation and Its Application to Ontology Learning. Communications in Computer and Information Science, 2021, , 16-27.	0.4	2
211	Overview on fuzzy fractional coloring. International Journal of Cognitive Computing in Engineering, 2021, 2, 196-201.	5.5	2
212	Cyclic connectivity index of bipolar fuzzy incidence graph. Open Chemistry, 2022, 20, 331-341.	1.0	2
213	On Fractional $(g, f, n', m)$ -Critical Covered Graphs. Journal of the Operations Research Society of China, 0, , .	0.9	2
214	AttenSy-SNER: software knowledge entity extraction with syntactic features and semantic augmentation information. Complex & Intelligent Systems, 2023, 9, 25-39.	4.0	2
215	Feasibility analysis of data transmission in SDN. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3145-3152.	0.8	1
216	Modeling and analysis of NO emission from circulating fluidized bed combustion of biomass particles: A case study of China. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 1403-1409.	1.2	1

#	ARTICLE	IF	CITATIONS
217	Distance and indices computation in chains and nanotubes model as graph discrete dynamica systems. Journal of Difference Equations and Applications, 2017, 23, 110-134.	0.7	1
218	Physical-chemical properties studying of molecular structures via topological index calculating. Open Physics, 2017, 15, 261-269.	0.8	1
219	ANN modeling of fuel gas production from low-grade residual oil. Petroleum Science and Technology, 2019, 37, 305-309.	0.7	1
220	Aluminum Doped Silicon Nanocage as High Efficiency Catalysts to Oxygen Reduction Reaction. Russian Journal of Electrochemistry, 2020, 56, 775-780.	0.3	1
221	Certain Topological Indices of Titania Carbon Nanotubes $TiO_2(m, n)$ . Journal of Computational and Theoretical Nanoscience, 2016, 13, 7324-7328.	0.4	1
222	Connectivity Analysis of Bipolar Fuzzy Networks. Mathematical Problems in Engineering, 2022, 2022, 1-10.	0.6	1
223	Research on GEMD Image Hiding Technique Based on Chinese Remainder Theorem. , 2021, , .		1
224	Steam gasification of biomass for biomethanol production: Model development and analysis. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 1410-1415.	1.2	0
225	On the computation of degree and distance mixing indices of Harary graphs and coronene polycyclic aromatic hydrocarbons. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3123-3135.	0.8	0
226	Analysis of gradient descent ontology iterative algorithm for geological setting. , 2017, 1, 41-46.		0
227	A note on the transmission feasibility problem in networks. Open Physics, 2018, 16, 889-895.	0.8	0
228	Primal dual based ontology sparse vector learning for similarity measuring and ontology mapping. Journal of Intelligent and Fuzzy Systems, 2018, 35, 4525-4531.	0.8	0
229	Topological entropy of continuous self-maps on a graph. Computational and Applied Mathematics, 2019, 38, 1.	1.0	0
230	Coordinate descent based ontology sparse vector computing strategy and its applications. Cluster Computing, 2019, 22, 10309-10323.	3.5	0
231	Irregularities of $TU C_4$ and $TU A C_6$ nanotubes. Mathematical Methods in the Applied Sciences, 2020, , .	1.2	0
232	A DFT investigation of performance of metal-doped nanotubes as acceptable catalysts to SiO oxidation. Bulletin of Materials Science, 2020, 43, 1.	0.8	0
233	Topological entropy of continuous self-maps on closed surfaces. Journal of Difference Equations and Applications, 2020, 26, 203-208.	0.7	0
234	Sun Toughness Conditions for $\langle \mathop{\text{P}}\limits_{2} \rangle$ and $\langle \mathop{\text{M}}\limits_{2} \rangle$ . Journal of Mathematics, 2021, 2021, 1-11.	0.5	0

#	ARTICLE	IF	CITATIONS
235	The Second <i>ABC</i> Index and Second <i>GA</i> Index of TUAC <sub>6</sub> [ <i>p, q</i> ]. Journal of Computational and Theoretical Nanoscience, 2018, 15, 1429-1433.	0.4	0
236	MB Based Multi-dividing Ontology Learning Trick. Communications in Computer and Information Science, 2021, , 35-45.	0.4	0
237	Vulnerability Variants and Path Factors in Networks. Lecture Notes in Computer Science, 2020, , 1-11.	1.0	0
238	Vulnerability Variants and Matching in Networks. Lecture Notes in Computer Science, 2020, , 511-518.	1.0	0
239	Network Adjacency Condition for $\frac{1}{m}$ -Critical Covered Graphs. Lecture Notes in Computer Science, 2020, , 20-30.	1.0	0
240	The Theoretical Analysis of Multi-dividing Ontology Learning by Rademacher Vector. Communications in Computer and Information Science, 2021, , 11-22.	0.4	0
241	On the existence of $K$ -high-dimensional. International Journal of Cognitive Computing in Engineering, 2022, 3, 31-34.	1.5	0