

# Wei Gao

## List of Publications by Year in descending order

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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	AttenSy-SNER: software knowledge entity extraction with syntactic features and semantic augmentation information. Complex & Intelligent Systems, 2023, 9, 25-39.	4.0	2
2	Application of Metaheuristic Algorithms for Pressure Analysis of Crude Oil Pipeline. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 5124-5142.	1.2	4
3	InBr<sub>3</sub>-Catalyzed Synthesis of Highly Functionalized Piperidines and Benzo[a]Pyrano[2,3-c]Phenazines. Polycyclic Aromatic Compounds, 2022, 42, 534-542.	1.4	4
4	Network performance analysis from binding number prospect. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 1259-1267.	3.3	4
5	On Computations of Topological Descriptors of Kagome Lattice. Polycyclic Aromatic Compounds, 2022, 42, 4895-4909.	1.4	5
6	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
7	REGARDING NEW NUMERICAL RESULTS FOR THE DYNAMICAL MODEL OF ROMANTIC RELATIONSHIPS WITH FRACTIONAL DERIVATIVE. Fractals, 2022, 30, .	1.8	7
8	Studying on Kudryashov-Sinelshchikov dynamical equation arising in mixtures liquid and gas bubbles. Thermal Science, 2022, 26, 1229-1244.	0.5	14
9	Designing of Morlet wavelet as a neural network for a novel prevention category in the HIV system. International Journal of Biomathematics, 2022, 15, .	1.5	20
10	Fine-grained semantic ethnic costume high-resolution image colorization with conditional GAN. International Journal of Intelligent Systems, 2022, 37, 2952-2968.	3.3	17
11	Connectivity Analysis of Bipolar Fuzzy Networks. Mathematical Problems in Engineering, 2022, 2022, 1-10.	0.6	1
12	On the existence of $\langle \mathbf{S}_1 \rangle$ high-dimensional. International Journal of Cognitive Computing in Engineering, 2022, 3, 31-34.	1.5	1
13	Newly developed analytical method and its applications of some mathematical models. International Journal of Modern Physics B, 2022, 36, .	1.0	5
14	Modified Predictor-Corrector Method for the Numerical Solution of a Fractional-Order SIR Model with 2019-nCoV. Fractal and Fractional, 2022, 6, 92.	1.6	48
15	Viewing the network parameters and H-factors from the perspective of geometry. International Journal of Intelligent Systems, 2022, 37, 6686-6728.	3.3	6
16	Deeper properties of the nonlinear Phi-four and Gross-Pitaevskii equations arising mathematical physics. Modern Physics Letters B, 2022, 36, .	1.0	3
17	Cyclic connectivity index of bipolar fuzzy incidence graph. Open Chemistry, 2022, 20, 331-341.	1.0	2
18	Investigation of optical solitons to the nonlinear complex Kundu-Eckhaus and Zakharov-Kuznetsov-Benjamin-Bona-Mahony equations in conformable. Optical and Quantum Electronics, 2022, 54, .	1.5	15

#	ARTICLE	IF	CITATIONS
19	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
20	Tight bounds for the existence of path factors in network vulnerability parameter settings. <i>International Journal of Intelligent Systems</i> , 2021, 36, 1133-1158.	3.3	33
21	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
22	New exact solitary wave solutions, bifurcation analysis and first order conserved quantities of resonance nonlinear Schrödinger's equation with Kerr law nonlinearity. <i>Journal of King Saud University - Science</i> , 2021, 33, 101180.	1.6	32
23	New numerical simulation for fractional Benney's 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
24	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
25	Two modified Zagreb indices for random structures. <i>Main Group Metal Chemistry</i> , 2021, 44, 150-156.	0.6	4
26	Topological aspects of 2D structures of trans- $Pd$ stretchy="false">(</mml:mo><mml:mrow><mml:mi>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (mathvariant="italic">N		
27	metal-organic Complex Simulations With Dark's Bright to the Hirota's MacCari System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2021, 16, .	0.7	24
28	Computation of Mostar index for some graph operations. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26674.	1.0	11
29	Strong Interacting Internal Waves in Rotating Ocean: Novel Fractional Approach. <i>Axioms</i> , 2021, 10, 123.	0.9	46
30	Network vulnerability parameter and results on two surfaces. <i>International Journal of Intelligent Systems</i> , 2021, 36, 4392-4414.	3.3	19
31	Tight binding number bound for $P$ -factor uniform graphs. <i>Information Processing Letters</i> , 2021, 172, 106162.	0.4	11
32	Sun Toughness Conditions for $P$ and $2$ . <i>Journal of Mathematics</i> , 2021, 2021, 1-11.	0.5	0
33	Topological indices computing on random chain structures. <i>International Journal of Quantum Chemistry</i> , 2021, 121, .	1.0	4
34	MB Based Multi-dividing Ontology Learning Trick. <i>Communications in Computer and Information Science</i> , 2021, , 35-45.	0.4	0
35	Hypergraph Ontology Sparse Vector Representation and Its Application to Ontology Learning. <i>Communications in Computer and Information Science</i> , 2021, , 16-27.	0.4	2
36	The Theoretical Analysis of Multi-dividing Ontology Learning by Rademacher Vector. <i>Communications in Computer and Information Science</i> , 2021, , 11-22.	0.4	0

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37	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
38	Overview on fuzzy fractional coloring. <i>International Journal of Cognitive Computing in Engineering</i> , 2021, 2, 196-201.	5.5	2
39	Domination of Bipolar Fuzzy Graphs in Various Settings. <i>International Journal of Computational Intelligence Systems</i> , 2021, 14, .	1.6	5
40	Research on GEMD Image Hiding Technique Based on Chinese Remainder Theorem. , 2021, , .		1
41	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
42	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
43	The Edge Versions of Degree-Based Topological Descriptors of Dendrimers. <i>Journal of Cluster Science</i> , 2020, 31, 445-452.	1.7	11
44	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
45	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
46	Optical Soliton Solutions of the Cubic-Quartic Nonlinear Schrödinger and Resonant Nonlinear Schrödinger Equation with the Parabolic Law. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 219.	1.3	107
47	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
48	Graph Learning-Based Ontology Sparse Vector Computing. <i>Symmetry</i> , 2020, 12, 1562.	1.1	2
49	Aluminum Doped Silicon Nanocage as High Efficiency Catalysts to Oxygen Reduction Reaction. <i>Russian Journal of Electrochemistry</i> , 2020, 56, 775-780.	0.3	1
50	Irregularities of T U C 4 and T U A C 6 nanotubes. <i>Mathematical Methods in the Applied Sciences</i> , 2020, , .	1.2	0
51	Geometric arithmetic and mostar indices of $P_{2n} + F_{n+1}$ . <i>Journal of Information and Optimization Sciences</i> , 2020, 41, 1007-1024.	0.2	6
52	Vertex Szeged indices of $P_{2n} + F_{n+1}$ . <i>Journal of Information and Optimization Sciences</i> , 2020, 41, 991-1006.	0.2	3
53	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
54	Construction of Nonlinear Component of Block Cipher by Action of Modular Group $PSL(2, Z)$ on Projective Line $PL(GF(2^8))$ . <i>IEEE Access</i> , 2020, 8, 136736-136749.	2.6	32

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55	The Topological Aspects of Phthalocyanines and Porphyrins Dendrimers. IEEE Access, 2020, 8, 168631-168649.	2.6	12
56	nâ€“polynomial exponential type pâ€“convex function with some related inequalities and their applications. Heliyon, 2020, 6, e05420.	1.4	14
57	SVM-Based Multi-Dividing Ontology Learning Algorithm and Similarity Measuring on Topological Indices. Frontiers in Physics, 2020, 8, .	1.0	2
58	Nordhausâ€“Gaddum type inequalities for some distance-based indices of bipartite molecular graphs. Journal of Mathematical Chemistry, 2020, 58, 1345-1352.	0.7	4
59	ITERATIVE METHOD APPLIED TO THE FRACTIONAL NONLINEAR SYSTEMS ARISING IN THERMOELASTICITY WITH MITTAG-LEFFLER KERNEL. Fractals, 2020, 28, 2040040.	1.8	34
60	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
61	Novel Dynamic Structures of 2019-nCoV with Nonlocal Operator via Powerful Computational Technique. Biology, 2020, 9, 107.	1.3	129
62	A new study of unreported cases of 2019-nCOV epidemic outbreaks. Chaos, Solitons and Fractals, 2020, 138, 109929.	2.5	176
63	Deeper investigations of the (4 + 1)-dimensional Fokas and (2 + 1)-dimensional Breaking soliton equations. International Journal of Modern Physics B, 2020, 34, 2050152.	1.0	11
64	The Extension Degree Conditions for Fractional Factor. Acta Mathematica Sinica, English Series, 2020, 36, 305-317.	0.2	11
65	New Numerical Results for the Time-Fractional Phi-Four Equation Using a Novel Analytical Approach. Symmetry, 2020, 12, 478.	1.1	71
66	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
67	Investigating lump and its interaction for the third-order evolution equation arising propagation of long waves over shallow water. European Journal of Mechanics, B/Fluids, 2020, 84, 289-301.	1.2	39
68	Mapping ontology vertices to a line using hypergraph framework. International Journal of Cognitive Computing in Engineering, 2020, 1, 1-8.	5.5	3
69	Regarding new numerical solution of fractional Schistosomiasis disease arising in biological phenomena. Chaos, Solitons and Fractals, 2020, 133, 109661.	2.5	55
70	Some mixed trigonometric complex soliton solutions to the perturbed nonlinear SchrÃ¶dinger equation. Modern Physics Letters B, 2020, 34, 2050034.	1.0	55
71	Topological entropy of continuous self-maps on closed surfaces. Journal of Difference Equations and Applications, 2020, 26, 203-208.	0.7	0
72	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

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73	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
74	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
75	Approximation analysis of ontology learning algorithm in linear combination setting. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2020, 9, .	2.1	7
76	Omega and the related counting polynomials of some chemical structures. <i>Open Chemistry</i> , 2020, 18, 1167-1172.	1.0	3
77	The measure of irregularities of nanosheets. <i>Open Physics</i> , 2020, 18, 419-431.	0.8	5
78	Molecular descriptors of some chemicals that prevent COVID-19. <i>Current Organic Synthesis</i> , 2020, 17, 729-741.	0.7	6
79	Complex solitons in the conformable (2+1)-dimensional Ablowitz-Kaup-Newell-Segur equation. <i>AIMS Mathematics</i> , 2020, 5, 507-521.	0.7	160
80	On irregularity descriptors of derived graphs. <i>AIMS Mathematics</i> , 2020, 5, 4085-4107.	0.7	12
81	Vulnerability Variants and Path Factors in Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 1-11.	1.0	0
82	Vulnerability Variants and Matching in Networks. <i>Lecture Notes in Computer Science</i> , 2020, , 511-518.	1.0	0
83	Computing entire Zagreb indices of some dendrimer structures. <i>Main Group Metal Chemistry</i> , 2020, 43, 229-236.	0.6	6
84	Network Adjacency Condition for $(g, f, n', m)$ -Critical Covered Graphs. <i>Lecture Notes in Computer Science</i> , 2020, , 20-30.	1.0	0
85	Different states of multi-block based forecast engine for price and load prediction. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 104, 423-435.	3.3	209
86	On the Degree-Based Topological Indices of Some Derived Networks. <i>Mathematics</i> , 2019, 7, 612.	1.1	29
87	A Toughness Condition for Fractional $(k, m)$ -deleted Graphs Revisited. <i>Acta Mathematica Sinica, English Series</i> , 2019, 35, 1227-1237.	0.2	22
88	New numerical simulations for some real world problems with Atangana-Baleanu fractional derivative. <i>Chaos, Solitons and Fractals</i> , 2019, 128, 34-43.	2.5	109
89	Topological entropy of continuous self-maps on a graph. <i>Computational and Applied Mathematics</i> , 2019, 38, 1.	1.0	0
90	Topological Indices of Hyaluronic Acid-Paclitaxel Conjugates™ Molecular Structure in Cancer Treatment. <i>Open Chemistry</i> , 2019, 17, 81-87.	1.0	36

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91	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
92	On Irregularity Measures of Some Dendrimers Structures. Mathematics, 2019, 7, 271.	1.1	25
93	Remarks on Multiplicative Atom-Bond Connectivity Index. IEEE Access, 2019, 7, 76806-76811.	2.6	15
94	Parameters and fractional factors in different settings. Journal of Inequalities and Applications, 2019, .	0.5	5
95	Regarding the group preserving scheme and method of line to the numerical simulations of Kleinâ€™Gordon model. Results in Physics, 2019, 15, 102555.	2.0	20
96	Comprehensive preference learning and feature validity for designing energy-efficient residential buildings using machine learning paradigms. Applied Soft Computing Journal, 2019, 84, 105748.	4.1	73
97	ANN modeling of fuel gas production from low-grade residual oil. Petroleum Science and Technology, 2019, 37, 305-309.	0.7	1
98	Computing Certain Topological Indices of the Line Graphs of Subdivision Graphs of Some Rooted Product Graphs. Mathematics, 2019, 7, 393.	1.1	14
99	A Novel Multi-Attribute Group Decision-Making Approach in the Framework of Proportional Dual Hesitant Fuzzy Sets. Applied Sciences (Switzerland), 2019, 9, 1232.	1.3	17
100	Topological Aspects of Dendrimers via Distance Based Descriptors. IEEE Access, 2019, 7, 35619-35630.	2.6	25
101	Bounds on Topological Descriptors of the Corona Product of $\Gamma$ and $\Sigma$ of Connected Graphs. IEEE Access, 2019, 7, 26788-26796.	2.6	16
102	On the Minimal General Sum-Connectivity Index of Connected Graphs Without Pendant Vertices. IEEE Access, 2019, 7, 136743-136751.	2.6	2
103	Complex and Real Optical Soliton Properties of the Paraxial Non-linear Schrödinger Equation in Kerr Media With M-Fractional. Frontiers in Physics, 2019, 7, .	1.0	52
104	Calculating topological indices of certain OTIS interconnection networks. Open Chemistry, 2019, 17, 220-228.	1.0	23
105	Modified eccentric descriptors of crystal cubic carbon. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 1215-1228.	0.5	20
106	Adsorbed CdO, TiO, RuO2, and IrO2 to silicon nanotube and carbon nanocage for anode of metal-ion battery: a computational study. Monatshefte für Chemie, 2019, 150, 2025-2028.	0.9	3
107	A powerful approach for fractional Drinfeldâ€™Sokolovâ€™Wilson equation with Mittag-Leffler law. AEJ - Alexandria Engineering Journal, 2019, 58, 1301-1311.	3.4	69
108	Prediction of gas composition obtained from steam-gasification of residual oil using an Artificial Neural Network (ANN) model. Petroleum Science and Technology, 2019, 37, 641-644.	0.7	3

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109	Effect of equivalence ratio on gas distribution and performance parameters in air-gasification of asphaltene: A model based on Artificial Neural Network (ANN). <i>Petroleum Science and Technology</i> , 2019, 37, 202-207.	0.7	8
110	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
111	A discrete dynamics approach to sparse calculation and applied in ontology science. <i>Journal of Difference Equations and Applications</i> , 2019, 25, 1239-1254.	0.7	6
112	Coordinate descent based ontology sparse vector computing strategy and its applications. <i>Cluster Computing</i> , 2019, 22, 10309-10323.	3.5	0
113	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
114	Toughness condition for a graph to be all fractional (g,f,n)-critical deleted. <i>Filomat</i> , 2019, 33, 2735-2746.	0.2	22
115	Zagreb Connection Indices of Two Dendrimer Nanostars. <i>Acta Chemica Iasi</i> , 2019, 27, 1-14.	0.1	20
116	Analysis of fractional factor system for data transmission in SDN. <i>Applied Mathematics and Nonlinear Sciences</i> , 2019, 4, 191-196.	0.9	23
117	An independent set degree condition for fractional critical deleted graphs. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2019, 12, 877-886.	0.6	117
118	Topological aspects of some dendrimer structures. <i>Nanotechnology Reviews</i> , 2018, 7, 123-129.	2.6	30
119	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
120	Nano properties analysis via fourth multiplicative ABC indicator calculating. <i>Arabian Journal of Chemistry</i> , 2018, 11, 793-801.	2.3	177
121	DFT study of cyanide oxidation on surface of Ge-embedded carbon nanotube. <i>Chemical Physics Letters</i> , 2018, 695, 44-50.	1.2	7
122	Techno-economic evaluation of biomass-to-synthesis gas (BtS) based on gasification. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2018, 13, 83-90.	1.8	7
123	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
124	Techno-economic analysis of biomass-to-biomethanol (BtS) via low-temperature steam gasification. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2018, 13, 91-95.	1.8	2
125	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
126	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



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127	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
128	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
129	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
130	Two Tight Independent Set Conditions for Fractional $(g, \hat{A}, \hat{A}m)$ -Deleted Graphs Systems. Qualitative Theory of Dynamical Systems, 2018, 17, 231-243.	0.8	42
131	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
132	Study of biological networks using graph theory. Saudi Journal of Biological Sciences, 2018, 25, 1212-1219.	1.8	226
133	Developing GPR model for forecasting the rock fragmentation in surface mines. Engineering With Computers, 2018, 34, 339-345.	3.5	66
134	Topological study of the para-line graphs of certain pentacene via topological indices. Open Chemistry, 2018, 16, 1200-1206.	1.0	5
135	Computing multiple ABC index and multiple GA index of some grid graphs. Open Physics, 2018, 16, 588-598.	0.8	17
136	A note on the transmission feasibility problem in networks. Open Physics, 2018, 16, 889-895.	0.8	0
137	Some Reverse Degree-Based Topological Indices and Polynomials of Dendrimers. Mathematics, 2018, 6, 214.	1.1	40
138	On eccentricity-based topological descriptors of water-soluble dendrimers. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2018, 74, 25-33.	0.6	15
139	Topological characterization of dendrimer, benzenoid, and nanocone. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2018, 74, 35-43.	0.6	4
140	M-Polynomials and Degree-Based Topological Indices of the Crystallographic Structure of Molecules. Biomolecules, 2018, 8, 107.	1.8	27
141	Neighborhood condition for all fractional $(g, f, n^2, m)$ -critical deleted graphs. Open Physics, 2018, 16, 544-553.	0.8	7
142	Ontology geometry distance computation using deep learning technology. Journal of Intelligent and Fuzzy Systems, 2018, 35, 4517-4524.	0.8	2
143	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
144	M-Polynomials and Topological Indices of Dominating David Derived Networks. Open Chemistry, 2018, 16, 201-213.	1.0	17

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145	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
146	Ultimate bound estimation set and chaos synchronization for a financial risk system. Mathematics and Computers in Simulation, 2018, 154, 19-33.	2.4	25
147	Partial multi-dividing ontology learning algorithm. Information Sciences, 2018, 467, 35-58.	4.0	179
148	On Eccentricity-Based Topological Indices Study of a Class of Porphyrin-Cored Dendrimers. Biomolecules, 2018, 8, 71.	1.8	26
149	Calculating the Degree-based Topological Indices of Dendrimers. Open Chemistry, 2018, 16, 681-688.	1.0	42
150	Revan and hyper-Revan indices of Octahedral and icosahedral networks. Applied Mathematics and Nonlinear Sciences, 2018, 3, 33-40.	0.9	33
151	Wiener polarity index of quasi-tree molecular structures. Open Journal of Mathematical Sciences, 2018, , 73-83.	0.7	13
152	The Second $ABC$ Index and Second $GA$ Index of $TUAC_6$ [ $p, q$ ]. Journal of Computational and Theoretical Nanoscience, 2018, 15, 1429-1433.	0.4	0
153	Three algorithms for graph locally harmonious colouring. Journal of Difference Equations and Applications, 2017, 23, 8-20.	0.7	25
154	Computing topological indices of Sudoku graphs. Journal of Applied Mathematics and Computing, 2017, 55, 99-117.	1.2	5
155	The hyper-Zagreb index and some graph operations. Journal of Applied Mathematics and Computing, 2017, 54, 263-275.	1.2	24
156	Kinetic modeling of pyrolysis of three Iranian waste oils in a micro-fluidized bed. Petroleum Science and Technology, 2017, 35, 183-189.	0.7	18
157	Computer-based model of crude oil gasification in a fluidized bed. Petroleum Science and Technology, 2017, 35, 169-174.	0.7	5
158	Characteristics studies of molecular structures in drugs. Saudi Pharmaceutical Journal, 2017, 25, 580-586.	1.2	91
159	Distance learning techniques for ontology similarity measuring and ontology mapping. Cluster Computing, 2017, 20, 959-968.	3.5	69
160	The first multiplication atom-bond connectivity index of molecular structures in drugs. Saudi Pharmaceutical Journal, 2017, 25, 548-555.	1.2	92
161	The hyper-zagreb index for an infinite family of nanostar dendrimer. Journal of Discrete Mathematical Sciences and Cryptography, 2017, 20, 515-523.	0.5	44
162	On topological properties of sierpinski networks. Chaos, Solitons and Fractals, 2017, 98, 199-204.	2.5	24

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163	Mathematical modeling of crude oil combustion at low reynolds number. Petroleum Science and Technology, 2017, 35, 327-331.	0.7	4
164	Aspen Plus simulation of steam-gasification of different crude oils: A detailed comparison. Petroleum Science and Technology, 2017, 35, 332-337.	0.7	10
165	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
166	Computer simulation of coal gasification in a full scale plant. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 768-774.	1.2	4
167	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
168	Feasibility analysis of data transmission in SDN. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3145-3152.	0.8	1
169	Kinetic modeling of crude oil gasification for hydrogen production with in situ CO <sub>2</sub> capture. Petroleum Science and Technology, 2017, 35, 1403-1407.	0.7	6
170	The Zagreb topological indices for a type of Benzenoid systems jagged-rectangle. Journal of Interdisciplinary Mathematics, 2017, 20, 1341-1348.	0.4	54
171	Szeged Related Indices of TUAC <sub>6</sub> [ <i>p, q</i> ]. Journal of Discrete Mathematical Sciences and Cryptography, 2017, 20, 553-563.	0.5	31
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