

Sachin Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/901411/publications.pdf>

Version: 2024-02-01

334
papers

12,216
citations

28190

55
h-index

40881

93
g-index

342
all docs

342
docs citations

342
times ranked

10987
citing authors

#	ARTICLE	IF	CITATIONS
1	OD to 3D carbon-based networks combined with pseudocapacitive electrode material for high energy density supercapacitor: A review. Chemical Engineering Journal, 2021, 403, 126352.	6.6	755
2	Importance of chemical pretreatment for bioconversion of lignocellulosic biomass. Renewable and Sustainable Energy Reviews, 2014, 36, 91-106.	8.2	700
3	Recent Trends in the Pretreatment of Lignocellulosic Biomass for Value-Added Products. Frontiers in Energy Research, 2018, 6, .	1.2	622
4	Internet of Things is a revolutionary approach for future technology enhancement: a review. Journal of Big Data, 2019, 6, .	6.9	479
5	Identifying pneumonia in chest X-rays: A deep learning approach. Measurement: Journal of the International Measurement Confederation, 2019, 145, 511-518.	2.5	299
6	Scope of Algae as Third Generation Biofuels. Frontiers in Bioengineering and Biotechnology, 2014, 2, 90.	2.0	227
7	Targeting Mcl-1 for the therapy of cancer. Expert Opinion on Investigational Drugs, 2011, 20, 1397-1411.	1.9	173
8	Chemical Functionalization of Graphene To Augment Stem Cell Osteogenesis and Inhibit Biofilm Formation on Polymer Composites for Orthopedic Applications. ACS Applied Materials & Interfaces, 2015, 7, 3237-3252.	4.0	170
9	Comprehensive Review on the Use of Graphene-Based Substrates for Regenerative Medicine and Biomedical Devices. ACS Applied Materials & Interfaces, 2016, 8, 26431-26457.	4.0	141
10	Circulating Cell-Free DNA in Plasma/Serum of Lung Cancer Patients as a Potential Screening and Prognostic Tool. Clinical Chemistry, 2006, 52, 1833-42.	1.5	140
11	Hierarchical nanohoneycomb-like CoMoO_4 - MnO_2 core-shell and Fe_2O_3 nanosheet arrays on 3D graphene foam with excellent supercapacitive performance. Journal of Materials Chemistry A, 2018, 6, 7182-7193.	5.2	116
12	A data mining approach to characterize road accident locations. Journal of Modern Transportation, 2016, 24, 62-72.	2.5	111
13	Engineering a multi-biofunctional composite using poly(ethylenimine) decorated graphene oxide for bone tissue regeneration. Nanoscale, 2016, 8, 6820-6836.	2.8	107
14	Algal growth in photosynthetic algal microbial fuel cell and its subsequent utilization for biofuels. Renewable and Sustainable Energy Reviews, 2018, 82, 402-414.	8.2	107
15	Design, development and technological advancement in the biomass cookstoves: A review. Renewable and Sustainable Energy Reviews, 2013, 26, 265-285.	8.2	104
16	Oxygen vacancy induced photoluminescence properties and enhanced photocatalytic activity of ferromagnetic ZrO_2 nanostructures on methylene blue dye under ultra-violet radiation. Journal of Alloys and Compounds, 2015, 644, 654-662.	2.8	104
17	Lie symmetry analysis for obtaining the abundant exact solutions, optimal system and dynamics of solitons for a higher-dimensional Fokas equation. Chaos, Solitons and Fractals, 2021, 142, 110507.	2.5	101
18	The role of renewable chemicals and biofuels in building a bioeconomy. Biofuels, Bioproducts and Biorefining, 2020, 14, 830-844.	1.9	96

#	ARTICLE	IF	CITATIONS
19	Artificial Intelligence and Internet of Things Enabled Disease Diagnosis Model for Smart Healthcare Systems. <i>IEEE Access</i> , 2021, 9, 45137-45146.	2.6	94
20	Lie symmetry reductions and group invariant solutions of $(2\hat{A}+\hat{A}1)$ -dimensional modified Veronese web equation. <i>Nonlinear Dynamics</i> , 2019, 98, 1891-1903.	2.7	93
21	Bioprospecting thermophilic/thermotolerant microbes for production of lignocellulosic ethanol: A future perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 699-717.	8.2	92
22	Strontium eluting graphene hybrid nanoparticles augment osteogenesis in a 3D tissue scaffold. <i>Nanoscale</i> , 2015, 7, 2023-2033.	2.8	91
23	A data mining framework to analyze road accident data. <i>Journal of Big Data</i> , 2015, 2, .	6.9	90
24	One-step in situ synthesis of CeO_2 nanoparticles grown on reduced graphene oxide as an excellent fluorescent and photocatalyst material under sunlight irradiation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11157-11167.	1.3	89
25	Lie symmetry analysis and generalized invariant solutions of $(2+1)$ -dimensional dispersive long wave (DLW) equations. <i>Physica Scripta</i> , 2020, 95, 065207.	1.2	89
26	A $(2+1)$ -dimensional Kadomtsev-Petviashvili equation with competing dispersion effect: Painlevé analysis, dynamical behavior and invariant solutions. <i>Results in Physics</i> , 2021, 23, 104043.	2.0	89
27	Linking graphene-based material physicochemical properties with molecular adsorption, structure and cell fate. <i>Communications Chemistry</i> , 2020, 3, .	2.0	87
28	Lie symmetry analysis, exact analytical solutions and dynamics of solitons for $(2 + 1)$ -dimensional NNV equations. <i>Physica Scripta</i> , 2020, 95, 095204.	1.2	86
29	New exact solitary wave solutions of the strain wave equation in microstructured solids via the generalized exponential rational function method. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	86
30	Invariance analysis, optimal system, closed-form solutions and dynamical wave structures of a $(2+1)$ -dimensional dissipative long wave system. <i>Physica Scripta</i> , 2021, 96, 125202.	1.2	86
31	Biohythane production in two-stage anaerobic digestion system. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17363-17380.	3.8	85
32	Shape induced (spherical, sheets and rods) optical and magnetic properties of CdS nanostructures with enhanced photocatalytic activity for photodegradation of methylene blue dye under ultra-violet irradiation. <i>Journal of Alloys and Compounds</i> , 2016, 679, 324-334.	2.8	84
33	Multifunctional biodegradable polymer nanocomposite incorporating graphene-silver hybrid for biomedical applications. <i>Materials and Design</i> , 2016, 108, 319-332.	3.3	81
34	Coupled Higgs field equation and Hamiltonian amplitude equation: Lie classical approach and (G^2/G) -expansion method. <i>Pramana - Journal of Physics</i> , 2012, 79, 41-60.	0.9	79
35	Fabrication of 3D graphene-CNTs/ \pm -MoO ₃ hybrid film as an advance electrode material for asymmetric supercapacitor with excellent energy density and cycling life. <i>Chemical Engineering Journal</i> , 2018, 352, 268-276.	6.6	79
36	Abundant different types of exact soliton solution to the $(4+1)$ -dimensional Fokas and $(2+1)$ -dimensional breaking soliton equations. <i>Communications in Theoretical Physics</i> , 2021, 73, 105007.	1.1	79

#	ARTICLE	IF	CITATIONS
37	A homogenized XFEM approach to simulate fatigue crack growth problems. Computers and Structures, 2015, 150, 1-22.	2.4	78
38	Effect of calcination temperature on phase transformation, structural and optical properties of sol-gel derived ZrO ₂ nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 66, 74-80.	1.3	78
39	Lie symmetries, optimal system and group-invariant solutions of the (3+1)-dimensional generalized KP equation. Chinese Journal of Physics, 2021, 69, 1-23.	2.0	74
40	A study of multi-soliton solutions, breather, lumps, and their interactions for kadomtsev-petviashvili equation with variable time coefficient using hirota method. Physica Scripta, 2021, 96, 125255.	1.2	73
41	Brain Tumor Classification Using Dense Efficient-Net. Axioms, 2022, 11, 34.	0.9	72
42	Modeling and simulation of kinked cracks by virtual node XFEM. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 1425-1466.	3.4	70
43	Role of non-coding RNA networks in leukemia progression, metastasis and drug resistance. Molecular Cancer, 2020, 19, 57.	7.9	68
44	Some new periodic solitary wave solutions of (3+1)-dimensional generalized shallow water wave equation by Lie symmetry approach. Computers and Mathematics With Applications, 2019, 78, 857-877.	1.4	67
45	Solitons and other nonlinear waves of the Boussinesq equation. Nonlinear Dynamics, 2012, 70, 1213-1221.	2.7	66
46	New enrichments in XFEM to model dynamic crack response of 2-D elastic solids. International Journal of Impact Engineering, 2016, 87, 198-211.	2.4	66
47	Ethanol and xylitol production from glucose and xylose at high temperature by Kluyveromyces sp. IPE453. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 1483-1489.	1.4	64
48	Amine-functionalized multiwall carbon nanotubes impart osteoinductive and bactericidal properties in poly(μ -caprolactone) composites. RSC Advances, 2014, 4, 19086-19098.	1.7	64
49	Opacity and plasmonic properties of Ag embedded glass based metamaterials. RSC Advances, 2015, 5, 12555-12562.	1.7	64
50	Solitary wave solutions of (3+1)-dimensional extended Zakharov-Kuznetsov equation by Lie symmetry approach. Computers and Mathematics With Applications, 2019, 77, 2096-2113.	1.4	64
51	Characterization of hyperthermostable α -amylase from Geobacillus sp. IPTN. Applied Microbiology and Biotechnology, 2010, 86, 1857-1866.	1.7	62
52	Kinetic studies of two-stage sulphuric acid hydrolysis of sugarcane bagasse. Renewable Energy, 2015, 83, 850-858.	4.3	62
53	Lie symmetry reductions and dynamics of soliton solutions of (2+1)-dimensional Pavlov equation. Pramana - Journal of Physics, 2020, 94, 1.	0.9	62
54	Multi-biofunctional polymer graphene composite for bone tissue regeneration that elutes copper ions to impart angiogenic, osteogenic and bactericidal properties. Colloids and Surfaces B: Biointerfaces, 2017, 159, 293-302.	2.5	61

#	ARTICLE	IF	CITATIONS
55	Lump, soliton, and interaction solutions to a generalized two-mode higher-order nonlinear evolution equation in plasma physics. <i>Nonlinear Dynamics</i> , 2022, 110, 693-704.	2.7	60
56	3D scaffold alters cellular response to graphene in a polymer composite for orthopedic applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 732-749.	1.6	57
57	Abundant closed-form solutions and solitonic structures to an integrable fifth-order generalized nonlinear evolution equation in plasma physics. <i>Results in Physics</i> , 2021, 26, 104453.	2.0	57
58	A novel thermostable xylanase of <i>Paenibacillus macerans</i> IIPSP3 isolated from the termite gut. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 851-860.	1.4	56
59	The Lie symmetry analysis and exact Jacobi elliptic solutions for the Kawahara-KdV type equations. <i>Results in Physics</i> , 2021, 23, 104006.	2.0	55
60	Lie Symmetries, Closed-Form Solutions, and Various Dynamical Profiles of Solitons for the Variable Coefficient (2+1)-Dimensional KP Equations. <i>Symmetry</i> , 2022, 14, 597.	1.1	55
61	Unsupervised Deep Learning based Variational Autoencoder Model for COVID-19 Diagnosis and Classification. <i>Pattern Recognition Letters</i> , 2021, 151, 267-274.	2.6	54
62	A review on bioprocessing of paddy straw to ethanol using simultaneous saccharification and fermentation. <i>Process Biochemistry</i> , 2019, 85, 125-134.	1.8	53
63	Type I Collagen from Jellyfish <i>Catostylus mosaicus</i> for Biomaterial Applications. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2115-2125.	2.6	52
64	Painlevé analysis, Lie symmetries and exact solutions for (2+1)-dimensional variable coefficients Broer-Kaup equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 1529-1541.	1.7	50
65	A new search for thermotolerant yeasts, its characterization and optimization using response surface methodology for ethanol production. <i>Frontiers in Microbiology</i> , 2015, 6, 889.	1.5	50
66	Solitary wave solutions of pZK equation using Lie point symmetries. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	50
67	Fabrication of Co-Ni-Zn ternary Oxide@NiWO ₄ core-shell nanowire arrays and Fe ₂ O ₃ -CNTs@GF for ultra-high-performance asymmetric supercapacitor. <i>Composites Part B: Engineering</i> , 2019, 176, 107223.	5.9	49
68	Hierarchical design of Cu-Ni(OH) ₂ /Cu-MnxOy core/shell nanosheet arrays for ultra-high performance of asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 369, 705-715.	6.6	49
69	Zn-Ni ₇ S ₆ Nanosheet Arrays Wrapped with Nanopetals of Ni(OH) ₂ as a Novel Core-Shell Electrode Material for Asymmetric Supercapacitors with High Energy Density and Cycling Stability Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47377-47388.	4.0	49
70	Effect of glycerol thermal and hydrothermal pretreatments on lignin degradation and enzymatic hydrolysis in paddy straw. <i>Renewable Energy</i> , 2020, 154, 1304-1313.	4.3	49
71	Generalized fifth-order nonlinear evolution equation for the Sawada-Kotera, Lax, and Caudrey-Dodd-Gibbon equations in plasma physics: Painlevé analysis and multi-soliton solutions. <i>Physica Scripta</i> , 2022, 97, 035201.	1.2	47
72	Absence of room temperature ferromagnetism in Fe stabilized ZrO ₂ nanostructures and effect of Fe doping on its structural, optical and luminescence properties. <i>Journal of Alloys and Compounds</i> , 2015, 649, 348-356.	2.8	45

#	ARTICLE	IF	CITATIONS
73	The integrable Boussinesq equation and its breathers, lump and soliton solutions. <i>Nonlinear Dynamics</i> , 2022, 107, 2703-2716.	2.7	45
74	Symmetries of optimal system, various closed-form solutions, and propagation of different wave profiles for the Boussinesq-Burgers system in ocean waves. <i>Physics of Fluids</i> , 2022, 34, .	1.6	43
75	Group invariant solutions of (3+1)-dimensional generalized B-type Kadomtsev Petviashvili equation using optimal system of Lie subalgebra. <i>Physica Scripta</i> , 2019, 94, 065204.	1.2	41
76	A (2+1)-dimensional generalized Hirota-Satsuma-Ito equations: Lie symmetry analysis, invariant solutions and dynamics of soliton solutions. <i>Results in Physics</i> , 2021, 28, 104621.	2.0	41
77	Lie symmetry analysis for obtaining exact soliton solutions of generalized Camassa-Holm-Kadomtsev-Petviashvili equation. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150028.	1.0	41
78	Efficacy of circulating plasma DNA as a diagnostic tool for advanced non-small cell lung cancer and its predictive utility for survival and response to chemotherapy. <i>Lung Cancer</i> , 2010, 70, 211-217.	0.9	40
79	Ni, Co and Ni-Co codoping induced modification in shape, optical band gap and enhanced photocatalytic activity of CeO ₂ nanostructures for photodegradation of methylene blue dye under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 8651-8660.	1.7	39
80	Identification of differentially expressed circulating serum microRNA for the diagnosis and prognosis of Indian non-small cell lung cancer patients. <i>Current Problems in Cancer</i> , 2020, 44, 100540.	1.0	39
81	Lie symmetries, optimal system, group-invariant solutions and dynamical behaviors of solitary wave solutions for a (3+1)-dimensional KdV-type equation. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	39
82	Some more closed-form invariant solutions and dynamical behavior of multiple solitons for the (2+1)-dimensional rdDym equation using the Lie symmetry approach. <i>Results in Physics</i> , 2021, 24, 104201.	2.0	39
83	A comparative analysis of heterogeneity in road accident data using data mining techniques. <i>Evolving Systems</i> , 2017, 8, 147-155.	2.4	37
84	Lie symmetry analysis, abundant exact solutions and dynamics of multisolitons to the (2+1)-dimensional KP-BBM equation. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	37
85	Room temperature ferromagnetism in undoped and Mn doped t-ZrO ₂ nanostructures originated due to oxygen vacancy and effect of Mn doping on its optical properties. <i>Materials Chemistry and Physics</i> , 2016, 169, 13-20.	2.0	36
86	Epigenetic regulators of programmed death-ligand 1 expression in human cancers. <i>Translational Research</i> , 2018, 202, 129-145.	2.2	36
87	Abundant exact closed-form solutions and solitonic structures for the double-chain deoxyribonucleic acid (DNA) model. <i>Brazilian Journal of Physics</i> , 2021, 51, 1043-1068.	0.7	36
88	XFEM simulation of stable crack growth using J-R curve under finite strain plasticity. <i>International Journal of Mechanics and Materials in Design</i> , 2014, 10, 165-177.	1.7	35
89	Enhancement in xylose utilization using <i>Kluyveromyces marxianus</i> NIRE-K1 through evolutionary adaptation approach. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 835-843.	1.7	35
90	Chaotic behavior of predator-prey model with group defense and non-linear harvesting in prey. <i>Chaos, Solitons and Fractals</i> , 2019, 119, 19-28.	2.5	35

#	ARTICLE	IF	CITATIONS
91	Nanographenes: Ultrastable, Switchable, and Bright Probes for Super-Resolution Microscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 496-502.	7.2	35
92	A review on biomethane potential of paddy straw and diverse prospects to enhance its biodigestibility. <i>Journal of Cleaner Production</i> , 2019, 217, 295-307.	4.6	34
93	An efficient technique for solving the space-time fractional reaction-diffusion equation in porous media. <i>Chinese Journal of Physics</i> , 2020, 68, 483-492.	2.0	34
94	Dynamical structures of solitons and some new types of exact solutions for the (2+1)-dimensional DJKM equation using Lie symmetry analysis. <i>Modern Physics Letters B</i> , 2020, 34, 2150015.	1.0	34
95	Analysis of hourly road accident counts using hierarchical clustering and cophenetic correlation coefficient (CPCC). <i>Journal of Big Data</i> , 2016, 3, .	6.9	33
96	An efficient Mittag-Leffler kernel approach for time-fractional advection-reaction-diffusion equation. <i>Applied Numerical Mathematics</i> , 2021, 170, 190-207.	1.2	33
97	Benjamin-Bona-Mahony (BBM) equation with variable coefficients: Similarity reductions and Painlevé analysis. <i>Applied Mathematics and Computation</i> , 2011, 217, 7021-7027.	1.4	32
98	Enzymatically degradable EMI shielding materials derived from PCL based nanocomposites. <i>RSC Advances</i> , 2015, 5, 17716-17725.	1.7	32
99	Bioprocessing of bagasse hydrolysate for ethanol and xylitol production using thermotolerant yeast. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 39-47.	1.7	32
100	Brain Tumour Classification Using Noble Deep Learning Approach with Parametric Optimization through Metaheuristics Approaches. <i>Computers</i> , 2022, 11, 10.	2.1	32
101	Lie symmetry analysis, optimal system, exact solutions and dynamics of solitons of a (3+1)-dimensional generalised Boussinesq equation. <i>Pramana - Journal of Physics</i> , 2022, 96, 1.	0.9	32
102	A multigrid coupled (FE-EFG) approach to simulate fatigue crack growth in heterogeneous materials. <i>Theoretical and Applied Fracture Mechanics</i> , 2014, 72, 121-135.	2.1	31
103	Lie symmetry analysis, group-invariant solutions and dynamics of solitons to the (2+1)-dimensional Bogoyavlenskii-Schieff equation. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	31
104	Urine miRNA signature as a potential non-invasive diagnostic and prognostic biomarker in cervical cancer. <i>Scientific Reports</i> , 2021, 11, 10323.	1.6	31
105	A coupled finite element and element-free Galerkin approach for the simulation of stable crack growth in ductile materials. <i>Theoretical and Applied Fracture Mechanics</i> , 2014, 70, 49-58.	2.1	30
106	On global behavior for complex soliton solutions of the perturbed nonlinear Schrödinger equation in nonlinear optical fibers. <i>Journal of Ocean Engineering and Science</i> , 2022, 7, 431-443.	1.7	30
107	An intelligent cognitive computing based intrusion detection for industrial cyber-physical systems. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 186, 110145.	2.5	30
108	Neutrophil and remnant clearance in immunity and inflammation. <i>Immunology</i> , 2022, 165, 22-43.	2.0	30

#	ARTICLE	IF	CITATIONS
109	Biological Pretreatment of Lignocellulosic Biomass for Enzymatic Saccharification. Green Energy and Technology, 2013, , 3-34.	0.4	29
110	Severity analysis of powered two wheeler traffic accidents in Uttarakhand, India. European Transport Research Review, 2017, 9, .	2.3	29
111	Synergistic interactions between silver decorated graphene and carbon nanotubes yield flexible composites to attenuate electromagnetic radiation. Nanotechnology, 2017, 28, 025201.	1.3	29
112	A numerical study of the nonlinear fractional mathematical model of tumor cells in presence of chemotherapeutic treatment. International Journal of Biomathematics, 2020, 13, 2050021.	1.5	29
113	Optical solitons and bifurcation analysis in fiber Bragg gratings with Lie symmetry and Kudryashov's approach. Nonlinear Dynamics, 2021, 105, 735-751.	2.7	29
114	INVARIANT SOLUTIONS OF EINSTEIN FIELD EQUATION FOR NONCONFORMALLY FLAT FLUID SPHERES OF EMBEDDING CLASS ONE. International Journal of Modern Physics A, 2010, 25, 3993-4000.	0.5	28
115	Bioprospecting thermostable cellulosomes for efficient biofuel production from lignocellulosic biomass. Bioresources and Bioprocessing, 2015, 2, .	2.0	28
116	A malaria model with Caputo's Fabrizio and Atangana's Baleanu derivatives. International Journal of Modeling, Simulation, and Scientific Computing, 2021, 12, 2150013.	0.9	28
117	Some new families of exact solitary wave solutions of the Klein-Gordon-Zakharov equations in plasma physics. Pramana - Journal of Physics, 2021, 95, 1.	0.9	28
118	Cr modified Raman, optical band gap and magnetic properties of SnO ₂ nanoparticles. Journal of Materials Science: Materials in Electronics, 2016, 27, 6020-6029.	1.1	27
119	Unimpeded permeation of water through biocidal graphene oxide sheets anchored on to 3D porous polyolefinic membranes. Nanoscale, 2016, 8, 8048-8057.	2.8	27
120	Lie symmetry analysis and invariant solutions of $(3+1)$ -dimensional Calogero-Bogoyavlenskii-Schiff equation. Nonlinear Dynamics, 2018, 93, 349-360.	2.7	27
121	Xylose transport in yeast for lignocellulosic ethanol production: Current status. Journal of Bioscience and Bioengineering, 2018, 125, 259-267.	1.1	27
122	Quantifying the Vasculogenic Potential of Induced Pluripotent Stem Cell-Derived Endothelial Progenitors in Collagen Hydrogels. Tissue Engineering - Part A, 2019, 25, 746-758.	1.6	27
123	Optical solitons with generalized anti-cubic nonlinearity by Lie symmetry. Optik, 2020, 206, 163638.	1.4	27
124	Abundant closed-form wave solutions and dynamical structures of soliton solutions to the $(3+1)$ -dimensional BLMP equation in mathematical physics. Journal of Ocean Engineering and Science, 2022, 7, 178-187.	1.7	27
125	Redox-active supercapacitor electrode from two-monomer-connected precursor (Pyrrole): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Electrochimica Acta, 2022, 415, 140243.	2.6	27
126	Elasto-plastic fatigue crack growth analysis of plane problems in the presence of flaws using XFEM. Frontiers of Structural and Civil Engineering, 2015, 9, 420-440.	1.2	26

#	ARTICLE	IF	CITATIONS
127	An extended (3+1)-dimensional Jimboâ€“Miwa equation: Symmetry reductions, invariant solutions and dynamics of different solitary waves. <i>Modern Physics Letters B</i> , 2021, 35, .	1.0	26
128	Abundant analytical soliton solutions and Evolutionary behaviors of various wave profiles to the Chaffeeâ€“Infante equation with gas diffusion in a homogeneous medium. <i>Results in Physics</i> , 2021, 30, 104866.	2.0	26
129	A homogenized multigrid XFEM to predict the crack growth behavior of ductile material in the presence of microstructural defects. <i>Engineering Fracture Mechanics</i> , 2019, 205, 577-602.	2.0	25
130	A comprehensive characterization of non-edible lignocellulosic biomass to elucidate their biofuel production potential. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5087-5103.	2.9	25
131	A novel mathematical approach of COVID-19 with non-singular fractional derivative. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 110048.	2.5	25
132	Dynamical behaviors of various optical soliton solutions for the Fokasâ€“Lenells equation. <i>Modern Physics Letters B</i> , 2021, 35, .	1.0	25
133	Plasma Nucleosome Levels Might Predict Response to Therapy in Patients With Advanced Nonâ€“Small-Cell Lung Cancer. <i>Clinical Lung Cancer</i> , 2010, 11, 36-44.	1.1	24
134	New optical soliton solutions via two distinctive schemes for the DNA Peyrardâ€“Bishop equation in fractal order. <i>Modern Physics Letters B</i> , 2021, 35, 2150444.	1.0	24
135	Symmetry reductions, generalized solutions and dynamics of wave profiles for the (2+1)-dimensional system of Broerâ€“Kaupâ€“Kupershmidt (BKK) equations. <i>Mathematics and Computers in Simulation</i> , 2022, 196, 319-335.	2.4	24
136	Continuous ethanol production from sugarcane bagasse hydrolysate at high temperature with cell recycle and in-situ recovery of ethanol. <i>Chemical Engineering Science</i> , 2015, 138, 524-530.	1.9	23
137	A novel framework to analyze road accident time series data. <i>Journal of Big Data</i> , 2016, 3, .	6.9	23
138	Role of microRNAs in regulating cell proliferation, metastasis and chemoresistance and their applications as cancer biomarkers in small cell lung cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188552.	3.3	23
139	Pure-cubic optical soliton perturbation with full nonlinearity by a new generalized approach. <i>Optik</i> , 2022, 258, 168865.	1.4	23
140	Specific wave profiles and closed-form soliton solutions for generalized nonlinear wave equation in (3+1)-dimensions with gas bubbles in hydrodynamics and fluids. <i>Journal of Ocean Engineering and Science</i> , 2023, 8, 91-102.	1.7	23
141	Facile synthesis of vanadia nanoparticles and assessment of antibacterial activity and cytotoxicity. <i>Materials Technology</i> , 2016, 31, 562-573.	1.5	22
142	Augmentation of ethanol production through statistically designed growth and fermentation medium using novel thermotolerant yeast isolates. <i>Renewable Energy</i> , 2017, 109, 406-421.	4.3	22
143	Invariance Analysis, Exact Solution and Conservation Laws of (2 + 1) Dim Fractional Kadomtsev-Petviashvili (KP) System. <i>Symmetry</i> , 2021, 13, 477.	1.1	22
144	Artificial intelligence with big data analytics-based brain intracranial hemorrhage e-diagnosis using CT images. <i>Neural Computing and Applications</i> , 2023, 35, 16037-16049.	3.2	22

#	ARTICLE	IF	CITATIONS
145	Symmetry analysis, closed-form invariant solutions and dynamical wave structures of the generalized (3+1)-dimensional breaking soliton equation using optimal system of Lie subalgebra. <i>Journal of Ocean Engineering and Science</i> , 2022, 7, 188-201.	1.7	22
146	A plentiful supply of soliton solutions for DNA Peyrard-Bishop equation by means of a new auxiliary equation strategy. <i>International Journal of Modern Physics B</i> , 2021, 35, .	1.0	22
147	Invariant solutions of Biswas-Milovic equation. <i>Nonlinear Dynamics</i> , 2017, 87, 1153-1157.	2.7	21
148	Application of the Lie symmetry approach to an extended Jimbo-Miwa equation in (3+1) dimensions. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	21
149	Different analytical approaches for finding novel optical solitons with generalized third-order nonlinear Schrödinger equation. <i>Results in Physics</i> , 2021, 29, 104755.	2.0	21
150	Study of exact analytical solutions and various wave profiles of a new extended (2+1)-dimensional Boussinesq equation using symmetry analysis. <i>Journal of Ocean Engineering and Science</i> , 2022, 7, 475-484.	1.7	21
151	A novel and efficient method for obtaining Hirota's bilinear form for the nonlinear evolution equation in (n+1) dimensions. <i>Partial Differential Equations in Applied Mathematics</i> , 2022, 5, 100274.	1.3	21
152	Association of Functionally Important Polymorphism of Microsomal Epoxide Hydrolase Gene (EPHX1) With Lung Cancer Susceptibility. <i>Cancer Investigation</i> , 2011, 29, 411-418.	0.6	20
153	An efficient and reproducible process for transmission electron microscopy (TEM) of rare cell populations. <i>Journal of Immunological Methods</i> , 2014, 404, 87-90.	0.6	20
154	PARP-1 inhibitor modulate β -catenin signaling to enhance cisplatin sensitivity in cancer cervix. <i>Oncotarget</i> , 2019, 10, 4262-4275.	0.8	20
155	Localizing gradient damage model with micro inertia effect for dynamic fracture. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 355, 492-512.	3.4	20
156	Some exact invariant solutions and dynamical structures of multiple solitons for the (2+1)-dimensional Bogoyavlensky-Konopelchenko equation with variable coefficients using Lie symmetry analysis. <i>Chinese Journal of Physics</i> , 2021, 71, 518-538.	2.0	20
157	Microflowers of Sn-Co-S derived from ultra-thin nanosheets for supercapacitor applications. <i>Journal of Energy Storage</i> , 2022, 49, 104084.	3.9	20
158	Evolutionary Adaptation of <i>Kluyveromyces marxianus</i> NIRE-K3 for Enhanced Xylose Utilization. <i>Frontiers in Energy Research</i> , 2017, 5, .	1.2	19
159	Optical solitons and other solutions with anti-cubic nonlinearity by Lie symmetry analysis and additional integration architectures. <i>Optik</i> , 2019, 185, 30-38.	1.4	19
160	A re-visitation to reported results on optical solitons. <i>Chaos, Solitons and Fractals</i> , 2020, 137, 109855.	2.5	19
161	Numerical solutions for the reaction-diffusion, diffusion-wave, and Cattaneo equations using a new operational matrix for the Caputo-Fabrizio derivative. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 8595-8607.	1.2	19
162	Computational soliton solutions to (2+1)-dimensional Pavlov equation using Lie symmetry approach. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	0.9	19

#	ARTICLE	IF	CITATIONS
163	Energy optimization from a binary mixture of non-edible oilseeds pyrolysis: Kinetic triplets analysis using Thermogravimetric Analyser and prediction modeling by Artificial Neural Network. Journal of Environmental Management, 2021, 297, 113253.	3.8	19
164	Feasibility of ethanol production with enhanced sugar concentration in bagasse hydrolysate at high temperature using Kluyveromyces sp. IIPE453. Biofuels, 2010, 1, 697-704.	1.4	18
165	A new enrichment scheme in XFEM to model crack growth behavior in ductile materials. Theoretical and Applied Fracture Mechanics, 2018, 96, 296-307.	2.1	18
166	Approximate analytical solution of coupled fractional order reaction-advection-diffusion equations. European Physical Journal Plus, 2019, 134, 1.	1.2	18
167	Group invariant solutions of (2+1)-dimensional rdDym equation using optimal system of Lie subalgebra. Physica Scripta, 2019, 94, 115202.	1.2	18
168	A (2+1)-dimensional combined KdV-mKdV equation: integrability, stability analysis and soliton solutions. Nonlinear Dynamics, 2022, 107, 2689-2701.	2.7	18
169	On explicit exact solutions and conservation laws for time fractional variable - coefficient coupled Burger's equations. Communications in Nonlinear Science and Numerical Simulation, 2020, 83, 105108.	1.7	17
170	Cubic-quartic optical solitons with Kudryashov's law of refractive index by Lie symmetry analysis. Optik, 2021, 242, 167308.	1.4	17
171	A study of Bogoyavlenskii's (2+1)-dimensional breaking soliton equation: Lie symmetry, dynamical behaviors and closed-form solutions. Results in Physics, 2021, 29, 104793.	2.0	17
172	Chebyshev spectral method for solving fuzzy fractional Fredholm-Volterra integro-differential equation. Mathematics and Computers in Simulation, 2022, 192, 501-513.	2.4	17
173	Evolutionary dynamics of solitary wave profiles and abundant analytical solutions to a (3+1)-dimensional burgers system in ocean physics and hydrodynamics. Journal of Ocean Engineering and Science, 2023, 8, 1-14.	1.7	17
174	A continuous-discontinuous localizing gradient damage framework for failure analysis of quasi-brittle materials. Computer Methods in Applied Mechanics and Engineering, 2022, 390, 114434.	3.4	17
175	Lie symmetry analysis, complex and singular solutions of (2+1)-dimensional combined MCBS equation. International Journal of Dynamics and Control, 2019, 7, 496-509.	1.5	16
176	Time fractional Biswas-Milovic equation: Group analysis, soliton solutions, conservation laws and residual power series solution. Optik, 2019, 183, 1085-1098.	1.4	16
177	Security Challenges and Cyber Forensic Ecosystem in IoT Driven BYOD Environment. IEEE Access, 2020, 8, 172770-172782.	2.6	16
178	A localizing gradient damage enhancement with micromorphic stress-based anisotropic nonlocal interactions. International Journal for Numerical Methods in Engineering, 2020, 121, 4003-4027.	1.5	16
179	Differential expression of circulating serum miR-1249-3p, miR-3195, and miR-3692-3p in non-small cell lung cancer. Human Cell, 2020, 33, 839-849.	1.2	16
180	Deep Learning-Based Smart IoT Health System for Blindness Detection Using Retina Images. IEEE Access, 2021, 9, 70606-70615.	2.6	16

#	ARTICLE	IF	CITATIONS
181	Lie symmetry reductions, abundant exact solutions and localized wave structures of solitons for a (2 +) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 547 Td (close="")> <math display="inline" id="d1e1302" altimg="si3.svg"> <math display="inline" id="d1e1302" altimg="si3.svg">	1.0	16
182	On the Classification of MR Images Using ϵ -ELM-SSA ϵ -Coated Hybrid Model. Mathematics, 2021, 9, 2095.	1.1	16
183	Analyzing MRI scans to detect glioblastoma tumor using hybrid deep belief networks. Journal of Big Data, 2020, 7, .	6.9	16
184	Cooling System Economy in Ethanol Production Using Thermotolerant Yeast <i>Kluyveromyces</i> Sp. IPE453. American Journal of Microbiological Research, 2013, 1, 39-44.	0.2	16
185	Analytical soliton solutions for cold bosonic atoms (CBA) in a zigzag optical lattice model employing efficient methods. Modern Physics Letters B, 2022, 36, .	1.0	16
186	An efficient technique of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1302" altimg="si3.svg"} \rangle \langle \text{mml:mfenced open="("} \rangle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (close="")} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1302" altimg="si3.svg"} \rangle$ method for modified KdV and Burgers equations with variable coefficients. Results in Physics, 2022, 37, 105504.	2.0	16
187	Production of first- and second-generation ethanol for use in alcohol-based hand sanitizers and disinfectants in India. Biomass Conversion and Biorefinery, 2023, 13, 7423-7440.	2.9	15
188	Abundant closed-form solutions of the (3+1)-dimensional Vakhnenko-Parkes equation describing the dynamics of various solitary waves in ocean engineering. Journal of Ocean Engineering and Science, 2022, , .	1.7	15
189	Generalized Invariant Solutions for Spherical Symmetric Non-conformally Flat Fluid Distributions of Embedding Class One. International Journal of Theoretical Physics, 2014, 53, 2041-2050.	0.5	14
190	Painlevé analysis and invariant solutions of Vakhnenko-Parkes (VP) equation with power law nonlinearity. Nonlinear Dynamics, 2016, 85, 1275-1279.	2.7	14
191	Low field room temperature magnetism and band gap modifications in Sm doped SnO2. Journal of Materials Science: Materials in Electronics, 2016, 27, 3053-3064.	1.1	14
192	Canvassing the aetiology, prognosis and molecular signatures of obstructive sleep apnoea. Biomarkers, 2019, 24, 1-16.	0.9	14
193	Orientation dependent electronic and optical properties of ZnS nanowires and ZnS-Si core shell nanowires. Applied Surface Science, 2019, 486, 539-545.	3.1	14
194	A Legendre spectral finite difference method for the solution of non-linear space-time fractional Burger-Huxley and reaction-diffusion equation with Atangana-Baleanu derivative. Chaos, Solitons and Fractals, 2020, 130, 109402.	2.5	14
195	On new symmetry, series solution and conservation laws of nonlinear coupled Higgs field equation. European Physical Journal Plus, 2020, 135, 1.	1.2	14
196	Dynamics of exact closed-form solutions to the Schamel Burgers and Schamel equations with constant coefficients using a novel analytical approach. International Journal of Modern Physics B, 2021, 35, .	1.0	14
197	A variety of closed-form solutions, Painlevé analysis, and solitary wave profiles for modified KdV-Zakharov-Kuznetsov equation in (3+1)-dimensions. Results in Physics, 2022, 36, 105394.	2.0	14
198	Kinetic studies of ethanol fermentation using <i>Kluyveromyces</i> sp. IPE453. Journal of Chemical Technology and Biotechnology, 2013, 88, 1874-1884.	1.6	13

#	ARTICLE	IF	CITATIONS
199	Effect of Evolutionary Adaption on Xylosidase Activity in Thermotolerant Yeast Isolates <i>Kluyveromyces marxianus</i> NIRE-K1 and NIRE-K3. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 1143-1154.	1.4	13
200	Symmetry analysis and invariant solutions of (3 + 1)-dimensional Kadomtsev-Petviashvili equation. <i>International Journal of Geometric Methods in Modern Physics</i> , 2018, 15, 1850125.	0.8	13
201	Closed-form invariant solutions from the Lie symmetry analysis and dynamics of solitonic profiles for (2 + 1)-dimensional modified Heisenberg ferromagnetic system. <i>Modern Physics Letters B</i> , 2022, 36, .	1.0	13
202	Invariance analysis for determining the closed-form solutions, optimal system, and various wave profiles for a (2+1)-dimensional weakly coupled B-Type Kadomtsev-Petviashvili equations. <i>Journal of Ocean Engineering and Science</i> , 2023, 8, 133-144.	1.7	13
203	Chaotic Sparrow Search Algorithm with Deep Transfer Learning Enabled Breast Cancer Classification on Histopathological Images. <i>Cancers</i> , 2022, 14, 2770.	1.7	13
204	Effect of organically modified clay on mechanical properties, cytotoxicity and bactericidal properties of poly(μ -caprolactone) nanocomposites. <i>Materials Research Express</i> , 2014, 1, 045302.	0.8	12
205	Solitons and other solutions of the long-short wave equation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2015, 25, 129-145.	1.6	12
206	Assessing the effects of treatment in HIV-TB co-infection model. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	12
207	Exact non-static solutions of Einstein vacuum field equations. <i>Chinese Journal of Physics</i> , 2020, 68, 735-744.	2.0	12
208	Generalised exponential rational function method for obtaining numerous exact soliton solutions to a (3+1)-dimensional Jimbo-Miwa equation. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	12
209	Straddled optical solitons for cubic-quartic Lakshmanan-Porsezian-Daniel model by Lie symmetry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 417, 127706.	0.9	12
210	Abundant analytical soliton solutions and different wave profiles to the Kudryashov-Sinelshchikov equation in mathematical physics. <i>Journal of Ocean Engineering and Science</i> , 2022, 7, 565-577.	1.7	12
211	Dynamical behaviors and abundant optical soliton solutions of the cold bosonic atoms in a zig-zag optical lattice model using two integral schemes. <i>Mathematics and Computers in Simulation</i> , 2022, 201, 254-274.	2.4	12
212	Efficacy of plasma vascular endothelial growth factor in monitoring first-line chemotherapy in patients with advanced non-small cell lung cancer. <i>BMC Cancer</i> , 2009, 9, 421.	1.1	11
213	SOME NONCONFORMAL ACCELERATING PERFECT FLUID PLATES OF EMBEDDING CLASS 1 USING SIMILARITY TRANSFORMATIONS. <i>International Journal of Modern Physics A</i> , 2010, 25, 1863-1879.	0.5	11
214	Experimental and theoretical evidence for the presence of room temperature ferromagnetism in undoped and Mn doped tetragonal ZrO ₂ nanostructures. <i>Chemical Physics Letters</i> , 2016, 644, 271-275.	1.2	11
215	Quantitative Mapping of Triacylglycerol Chain Length and Saturation Using Broadband CARS Microscopy. <i>Biophysical Journal</i> , 2019, 116, 2346-2355.	0.2	11
216	Gegenbauer wavelet operational matrix method for solving variable-order non-linear reaction-diffusion and Galilei invariant advection-diffusion equations. <i>Computational and Applied Mathematics</i> , 2019, 38, 1.	1.0	11

#	ARTICLE	IF	CITATIONS
217	An ensemble classification approach for prediction of user's next location based on Twitter data. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 4503-4513.	3.3	11
218	Quasi wavelet numerical approach of non-linear reaction diffusion and integro reaction-diffusion equation with Atangana-Baleanu time fractional derivative. <i>Chaos, Solitons and Fractals</i> , 2020, 130, 109456.	2.5	11
219	Numerical solution of two-dimensional time fractional cable equation with Mittag-Leffler kernel. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 8348-8362.	1.2	11
220	Analytical soliton solutions to the generalized (3+1)-dimensional shallow water wave equation. <i>Modern Physics Letters B</i> , 2022, 36, .	1.0	11
221	Doubly periodic wave structure of the modified Schrödinger equation with fractional temporal evolution. <i>Results in Physics</i> , 2022, 33, 105128.	2.0	11
222	Dynamics of closed-form invariant solutions and diversity of wave profiles of (2+1)-dimensional Ito integro-differential equation via Lie symmetry analysis. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	1.7	11
223	Symmetry analysis, explicit power series solutions and conservation laws of the space-time fractional variant Boussinesq system. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	10
224	Evaluating the Pathway for Co-fermentation of Glucose and Xylose for Enhanced Bioethanol Production Using Flux Balance Analysis. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 924-933.	1.4	10
225	Modified Vakhnenko-Parkes equation with power law nonlinearity: Painlevé analysis, analytic solutions and conservation laws. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	10
226	A New Numerical Method for Time Fractional Non-linear Sharma-Tasso-Oliver Equation and Klein-Gordon Equation With Exponential Kernel Law. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	10
227	Dynamic analysis of the role of innate immunity in SEIS epidemic model. <i>European Physical Journal Plus</i> , 2021, 136, 439.	1.2	10
228	Exact closed-form solutions and dynamics of solitons for a $(2+1)$ -dimensional universal hierarchy equation via Lie approach. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	10
229	An Imaging and Computational Algorithm for Efficient Identification and Quantification of Neutrophil Extracellular Traps. <i>Cells</i> , 2022, 11, 191.	1.8	10
230	Energy Aware Resource Optimization using Unified Metaheuristic Optimization Algorithm Allocation for Cloud Computing Environment. <i>Sustainable Computing: Informatics and Systems</i> , 2022, 35, 100686.	1.6	10
231	Numerical study of Zika model as a mosquito-borne virus with non-singular fractional derivative. <i>International Journal of Biomathematics</i> , 2022, 15, .	1.5	10
232	Botanical Leaf Disease Detection and Classification Using Convolutional Neural Network: A Hybrid Metaheuristic Enabled Approach. <i>Computers</i> , 2022, 11, 82.	2.1	10
233	Different dynamics of invariant solutions to a generalized (3+1)-dimensional Camassa-Holm-Kadomtsev-Petviashvili equation arising in shallow water-waves. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	1.7	10
234	Exact solutions of Einstein field equations in perfect fluid distribution using Lie symmetry method. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	9

#	ARTICLE	IF	CITATIONS
235	L-Selectin expression is associated with inflammatory microenvironment and favourable prognosis in breast cancer. <i>3 Biotech</i> , 2021, 11, 38.	1.1	9
236	An IGA based nonlocal gradient-enhanced damage model for failure analysis of cortical bone. <i>Engineering Fracture Mechanics</i> , 2021, 255, 107976.	2.0	9
237	Analysis of miR-375-3p, miR-197-3p, and miR-15a-5p Expression and Their Clinical Relevance as Biomarkers in Lung Cancer. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382210809.	0.8	9
238	Generating Concept Ontologies through Text Mining. , 2006, , .		8
239	Numerical Investigation of Stable Crack Growth in Ductile Materials Using XFEM. <i>Procedia Engineering</i> , 2013, 64, 652-660.	1.2	8
240	Regulation of expression of microRNAs by DNA methylation in lung cancer. <i>Biomarkers</i> , 2016, 21, 589-599.	0.9	8
241	Floating node method with domain-based interaction integral for generic 2D crack growths. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 483-496.	2.1	8
242	Valorization of By-Products Following the Biorefinery Concept. , 2018, , 163-178.		8
243	Numerical solution of fuzzy fractional diffusion equation by Chebyshev spectral method. <i>Numerical Methods for Partial Differential Equations</i> , 2020, , .	2.0	8
244	Approximate analytical solution of two-dimensional space-time fractional diffusion equation. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 7194-7207.	1.2	8
245	Non-auto-Bäcklund transformation and novel abundant explicit exact solutions of the variable coefficients Burger equation. <i>Chaos, Solitons and Fractals</i> , 2021, 145, 110775.	2.5	8
246	Core@shell quantum dots as a fluorescent probe for the detection of cholesterol and heavy metal ions in aqueous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127090.	2.3	8
247	Cubic-Quartic Optical Soliton Perturbation with Differential Group Delay for the Lakshmanan-Porsezian-Daniel Model by Lie Symmetry. <i>Symmetry</i> , 2022, 14, 224.	1.1	8
248	Detection of Promoter DNA Methylation of <i>APC</i> , <i>DAPK</i> , and <i>GSTP1</i> Genes in tissue Biopsy and Matched Serum of Advanced-Stage Lung Cancer Patients. <i>Cancer Investigation</i> , 2017, 35, 423-430.	0.6	7
249	Technique for gentle accurate reproducible closed reduction of intracapsular fracture of neck of femur. <i>Injury</i> , 2017, 48, 789-790.	0.7	7
250	Asymptotic stability of one prey and two predators model with two functional responses. <i>Ricerche Di Matematica</i> , 2019, 68, 435-452.	0.6	7
251	Space time fractional Drinfel'd-Sokolov-Wilson system with time-dependent variable coefficients: Symmetry analysis, power series solutions and conservation laws. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	7
252	Grade 3 AC joint injury: A survey of current practice in the United Kingdom. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901882522.	0.4	7

#	ARTICLE	IF	CITATIONS
253	Chaos Detection and Optimal Control in a Cannibalistic Prey-Predator System with Harvesting. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050171.	0.7	7
254	Some More Solutions of Caudrey-Dodd-Gibbon Equation Using Optimal System of Lie Symmetries. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	7
255	Fabrication of broccoli-like 3D nanoflowers of SnS with excellent supercapacitive performance. Journal of Alloys and Compounds, 2021, 852, 156764.	2.8	7
256	Evaluation of kinetic and thermodynamic parameters of Argemone mexicana seed pyrolysis via thermogravimetric analyser. Biomass Conversion and Biorefinery, 0, , 1.	2.9	7
257	Some analytic and series solutions of integrable generalized Broer-Kaup system. AEJ - Alexandria Engineering Journal, 2022, 61, 7067-7074.	3.4	7
258	Prophesying the Short-Term Dynamics of the Crude Oil Future Price by Adopting the Survival of the Fittest Principle of Improved Grey Optimization and Extreme Learning Machine. Mathematics, 2022, 10, 1121.	1.1	7
259	Experimental and theoretical investigations of unusual enhancement of room temperature ferromagnetism in nickel-cobalt codoped CeO ₂ nanostructures. Journal of Magnetism and Magnetic Materials, 2018, 465, 756-761.	1.0	6
260	Derivation of operational matrix of Rabotnov fractional-exponential kernel and its application to fractional Lienard equation. AEJ - Alexandria Engineering Journal, 2020, 59, 2991-2997.	3.4	6
261	Biological functions of long noncoding RNAs and circular RNAs in small-cell lung cancer. Epigenomics, 2020, 12, 1751-1763.	1.0	6
262	New exact static solutions of Einstein-Maxwell field equations with a magnetic dipole. Results in Physics, 2021, 24, 104136.	2.0	6
263	A cross-sectional study on prevalence of menstrual problems, lifestyle, mental health, and PCOS awareness among rural and urban population of Punjab, India. Journal of Psychosomatic Obstetrics and Gynaecology, 2022, 43, 349-358.	1.1	6
264	Potential environmental toxicant exposure, metabolizing gene variants and risk of PCOS-A systematic review. Reproductive Toxicology, 2021, 103, 124-132.	1.3	6
265	OPERATIONAL MATRIX METHOD FOR SOLVING NONLINEAR SPACE-TIME FRACTIONAL ORDER REACTION-DIFFUSION EQUATION BASED ON GENOCCHI POLYNOMIAL. Special Topics and Reviews in Porous Media, 2020, 11, 33-47.	0.6	6
266	An operational matrix for solving time-fractional order Cahn-Hilliard equation. Thermal Science, 2019, 23, 2045-2052.	0.5	6
267	Abundant analytical closed-form solutions and various solitonic wave forms to the ZK-BBM and GZK-BBM equations in fluids and plasma physics. Partial Differential Equations in Applied Mathematics, 2021, 4, 100200.	1.3	6
268	Construction of multiple new analytical soliton solutions and various dynamical behaviors to the nonlinear convection-diffusion-reaction equation with power-law nonlinearity and density-dependent diffusion via Lie symmetry approach together with a couple of integration approaches. Journal of Ocean Engineering and Science, 2023, 8, 226-237.	1.7	6
269	Some closed-form solutions, conservation laws, and various solitary waves to the (2 + 1)-D potential B-K equation via Lie symmetry approach. International Journal of Modern Physics B, 2022, 36, .	1.0	6
270	Polymorphism of Arg72Pro of p53 Confers Susceptibility to Squamous Cell Carcinoma of Lungs in a North Indian Population. DNA and Cell Biology, 2013, 32, 66-72.	0.9	5

#	ARTICLE	IF	CITATIONS
271	Dynamics of internal waves in a stratified ocean modeled by the extended Gardner equation with time-dependent coefficients. <i>Ocean Engineering</i> , 2013, 70, 81-87.	1.9	5
272	Improved performance of data warehouse. , 2017, , .		5
273	Symmetry analysis of some nonlinear generalised systems of space-time fractional partial differential equations with time-dependent variable coefficients. <i>Pramana - Journal of Physics</i> , 2019, 93, 1.	0.9	5
274	Numerical solution of $\langle \text{ABC} \rangle$ space-time fractional distributed order reaction-diffusion equation. <i>Numerical Methods for Partial Differential Equations</i> , 0, , .	2.0	5
275	Invariant solutions of Einstein field equations in pure radiation fields. <i>Indian Journal of Physics</i> , 2022, 96, 1283-1288.	0.9	5
276	On new symmetries and exact solutions of Einstein's field equation for perfect fluid distribution. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	5
277	Dynamical analysis of SEIS model with nonlinear innate immunity and saturated treatment. <i>European Physical Journal Plus</i> , 2021, 136, 952.	1.2	5
278	A Review on Opportunities and Limitations of Membrane Bioreactor Configuration in Biofuel Production. <i>Applied Biochemistry and Biotechnology</i> , 2023, 195, 5497-5540.	1.4	5
279	An insight on upgrading of biomass pyrolysis products and utilization: Current status and future prospect of biomass in India. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6185-6203.	2.9	5
280	The (3 + 1)-dimensional Benjamin-Ono equation: Painlevé analysis, rogue waves, breather waves and soliton solutions. <i>International Journal of Modern Physics B</i> , 2022, 36, .	1.0	5
281	Utility of plasma tumour necrosis factor- α and transforming growth factor- β 1 as predictors of survival and treatment outcome in advanced non-small cell lung carcinoma. <i>Biomarkers</i> , 2010, 15, 446-453.	0.9	4
282	Malicious PDF Files Detection Using Structural and Javascript Based Features. <i>Communications in Computer and Information Science</i> , 2017, , 137-147.	0.4	4
283	Biohydrogen Production from Lignocellulosic Feedstocks Using Extremophiles. , 2018, , 79-96.		4
284	Symmetry analysis and some new exact solutions of Born-Infeld equation. <i>International Journal of Geometric Methods in Modern Physics</i> , 2018, 15, 1850183.	0.8	4
285	Invariant solutions and conservation laws of Einstein field equations in non-comoving radiation fields. <i>Chinese Journal of Physics</i> , 2021, 70, 37-43.	2.0	4
286	Deltamethrin and coumaphos resistance and role of biochemical mechanisms in camel tick, <i>Hyalomma dromedarii</i> collected from Haryana state of India. <i>International Journal of Tropical Insect Science</i> , 2022, 42, 269-274.	0.4	4
287	Fractional (3+1)-dim Jimbo Miwa system: invariance properties, exact solutions, solitary pattern solutions and conservation laws. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2020, 21, 843-854.	0.4	4
288	Correlating Amino Acid Interaction with Graphene-Based Materials Regulating Cell Function. <i>Journal of the Indian Institute of Science</i> , 2022, 102, 639-651.	0.9	4

#	ARTICLE	IF	CITATIONS
289	Lack of utility of plasma TNF- α level in predicting therapeutic efficacy in patients with advanced non-small cell lung cancer. <i>Cytokine</i> , 2010, 51, 245-248.	1.4	3
290	Potential of Bioelectricity Production in India Through Thermochemical Conversion of Lignocellulosic Biomass. , 2017, , 189-206.		3
291	A Numerical Method for Time-Fractional Reaction-Diffusion and Integro Reaction-Diffusion Equation Based on Quasi-Wavelet. <i>Complexity</i> , 2020, 2020, 1-11.	0.9	3
292	The time fractional (m, n) system: invariant analysis, explicit solution, conservation laws and optical soliton. <i>Waves in Random and Complex Media</i> , 2022, 32, 1322-1337.	1.6	3
293	Bridging chains mediate nonlinear mechanics of polymer nanocomposites under cyclic deformation. <i>Polymer</i> , 2020, 200, 122529.	1.8	3
294	Dysregulation of miRNA expression and their prognostic significance in paediatric cytogenetically normal acute myeloid leukaemia. <i>British Journal of Haematology</i> , 2020, 188, e90-e94.	1.2	3
295	Cypermethrin resistance in <i>Hyalomma anatolicum</i> and <i>Rhipicephalus microplus</i> ticks of arid and semi-arid zone of Haryana, a northern state of India. <i>International Journal of Tropical Insect Science</i> , 2021, 41, 703-709.	0.4	3
296	A new Painlevé integrable Broer-Kaup system: symmetry analysis, analytic solutions and conservation laws. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 3711-3721.	1.6	3
297	Lie Symmetry Analysis and Dynamics of Exact Solutions of the (2+1)-Dimensional Nonlinear Sharma-Tasso-Olver Equation. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-12.	0.6	3
298	Invariant solutions and bifurcation analysis of the nonlinear transmission line model. <i>Nonlinear Dynamics</i> , 2021, 106, 211-227.	2.7	3
299	Twitter-based Opinion Mining for Flight Service utilizing Machine Learning. <i>Informatica (Slovenia)</i> , 2019, 43, .	0.6	3
300	Diagnostic & prognostic role of microRNAs in paediatric acute myeloid leukaemia. <i>Indian Journal of Medical Research</i> , 2016, 144, 807.	0.4	3
301	Optimization of Dilute Acid Pretreatment for Enhanced Release of Fermentable Sugars from Sugarcane Bagasse and Validation by Biophysical Characterization. <i>Bioenergy Research</i> , 2023, 16, 416-434.	2.2	3
302	A Pit-1 Binding Site Adjacent to E-box133 in the Rat PRL Promoter is Necessary for Pulsatile Gene Expression Activity. <i>Neurochemical Research</i> , 2016, 41, 1390-1400.	1.6	2
303	DOUBLE-QUASI-WAVELET NUMERICAL METHOD FOR THE VARIABLE-ORDER TIME FRACTIONAL AND RIESZ SPACE FRACTIONAL REACTION-DIFFUSION EQUATION INVOLVING DERIVATIVES IN CAPUTO SENSE. <i>Fractals</i> , 2020, 28, 2040047.	1.8	2
304	Comment on "On the conservation laws and invariant analysis for time-fractional coupled Fitzhugh-Nagumo equations using the Lie symmetry analysis" by S. Sahoo and S. S. Ray. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	2
305	Sensitivity and Chaotic Dynamics of an Eco-Epidemiological System with Vaccination and Migration in Prey. <i>Brazilian Journal of Physics</i> , 2021, 51, 986-1006.	0.7	2
306	Formulation and Evaluation of Sustained Release Matrix Tablets of Aceclofenac. <i>Borneo Journal of Pharmacy</i> , 2021, 4, 99-109.	0.1	2

#	ARTICLE	IF	CITATIONS
307	Green Synthesis of Ag ₂ S Quantum Dots as Sensing Probe: An Optical Sensor for the Detection of Cholesterol. <i>Crystal Research and Technology</i> , 2022, 57, 2100067.	0.6	2
308	Numerical Approximation of Generalized Burger's-Fisher and Generalized Burger's-Huxley Equation by Compact Finite Difference Method. <i>Advances in Mathematical Physics</i> , 2021, 2021, 1-17.	0.4	2
309	Some optical solutions to the higher-order nonlinear Schrödinger equation with Kerr nonlinearity and a local fractional derivative. <i>Results in Physics</i> , 2022, 36, 105430.	2.0	2
310	Synergistic properties of essential oils of eucalyptus (<i>Eucalyptus globulus</i>) and lemon grass (<i>Cymbopogon flexuosus</i>) against cattle tick, <i>Rhipicephalus microplus</i> . <i>International Journal of Acarology</i> , 2022, 48, 338-343.	0.3	2
311	Charged Analogues of Henning Knutsen Type Solutions in General Relativity. <i>International Journal of Theoretical Physics</i> , 2011, 50, 3337-3347.	0.5	1
312	A new class of relativistic perfect fluid cylinders with expansion proportional to shear scalar. <i>Astrophysics and Space Science</i> , 2011, 332, 49-56.	0.5	1
313	Delay Optimization Using Genetic Algorithm at the Road Intersection. <i>International Journal of Information Retrieval Research</i> , 2019, 9, 1-10.	0.6	1
314	A new numerical study of space-time fractional advection-reaction-diffusion equation with Rabinov fractional-exponential kernel. <i>Numerical Methods for Partial Differential Equations</i> , 2020, , .	2.0	1
315	Symmetry reductions and conservation laws of Rosenau Hyman equation with arbitrary constant coefficients. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
316	Conservation laws and series solutions of variable coefficient time fractional Kawahara equation. <i>Waves in Random and Complex Media</i> , 0, , 1-13.	1.6	1
317	Chaos detection in SIR model with modified Beddington-De Angelis type incidence rate and saturated treatment. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2021, 12, 2150049.	0.9	1
318	An Approach to Fuzzy Clustering of Big Data Inside a Parallel Relational DBMS. <i>Communications in Computer and Information Science</i> , 2020, , 211-223.	0.4	1
319	A Modified Event Grouping Based Algorithm for The University Course Timetabling Problem. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2019, 9, 229-235.	0.2	1
320	Erratum to "Conserved vectors with conformable derivative for certain systems of partial differential equations with physical applications". <i>Open Physics</i> , 2020, 18, 1108-1110.	0.8	1
321	GENERALISED TWO-COMPONENT MODIFIED WEAKLY DISSIPATIVE DULLIN-GOTTWALD-HOLM SYSTEM: INVARIANCE ANALYSIS AND CONSERVATION LAWS. <i>Mathematical Modelling and Analysis</i> , 2022, 27, 101-116.	0.7	1
322	On analytic series solutions and conserved fluxes of the time fractional (2+1)-dimensional Burger's system via invariant approach. <i>Waves in Random and Complex Media</i> , 0, , 1-13.	1.6	1
323	Soliton solutions of (2+1) and (3+1)-dimensional KdV and mKdV equations. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	1
324	Serum vascular endothelial growth factor is related to systemic oxidative stress in patients with lung cancer. <i>Lung Cancer</i> , 2009, 65, 254.	0.9	0

#	ARTICLE	IF	CITATIONS
325	Invariants of Generalized Fifth Order Non-Linear Partial Differential Equation. , 0, , .		0
326	One-step hydrothermal synthesis of high surface area m-ZrO ₂ nanorings with lower band gap, blue emission and high photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15923-15927.	1.1	0
327	Comment on "Time fractional third-order variant Boussinesq system: Symmetry analysis, explicit solutions, conservation laws and numerical approximations" by Fairouz Tchier et al.. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	0
328	Narrowing of filters and laser mirror in tilt-modulated chiral sculptured thin films. <i>Optics Communications</i> , 2020, 473, 125927.	1.0	0
329	Efficacy of commercially available chemical compound used against management of tick infestation in Mhow, Madhya Pradesh. <i>International Journal of Tropical Insect Science</i> , 2021, 41, 2469-2475.	0.4	0
330	Molecular detection of tick-borne pathogens harbored by ticks collected from local breed (Non-descript) of cattle in the chhattishgarh state of India. <i>International Journal of Tropical Insect Science</i> , 0, , 1.	0.4	0
331	Acaricidal activity of <i>Annona squamosa</i> L. seeds extracts against cattle tick, <i>Rhipicephalus microplus</i> . <i>International Journal of Tropical Insect Science</i> , 2022, 42, 1147-1151.	0.4	0
332	Evaluation of the programmed death-ligand 1 mRNA expression and immunopositivity and their correlation with survival outcomes in Indian lung cancer patients. <i>Human Cell</i> , 2021, , 1.	1.2	0
333	Detection of deltamethrin, cypermethrin and flumethrin efficacy against buffalo lice "Haematopinus tuberculatus". <i>Tropical Animal Health and Production</i> , 2022, 54, 66.	0.5	0
334	Optimal system, dynamical behaviors and exact solution of a nonlinear transmission line model by applying the Lie symmetry method. <i>Indian Journal of Physics</i> , 0, , 1.	0.9	0