Sachin Kumar

List of Publications by Year
in descending order

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	An insight on upgrading of biomass pyrolysis products and utilization: Current status and future prospect of biomass in India. Biomass Conversion and Biorefinery, 2024, 14, 6185-6203.	2.9	5
2	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
3	Artificial intelligence with big data analytics-based brain intracranial hemorrhage e-diagnosis using CT images. Neural Computing and Applications, 2023, 35, 16037-16049.	3.2	22
4	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
5	Construction of multiple new analytical soliton solutions and various dynamical behaviors to the nonlinear convection-diffusion-reaction equationÂwith 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
6	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. Journal of Ocean Engineering and Science, 2023, 8, 133-144.	1.7	13
7	Specific wave profiles and closed-form soliton solutions for generalized nonlinear wave equation in (3+1)-dimensions with gas bubbles in hydrodynamics and fluids. Journal of Ocean Engineering and Science, 2023, 8, 91-102.	1.7	23
8	A Review on Opportunities and Limitations of Membrane Bioreactor Configuration in Biofuel Production. Applied Biochemistry and Biotechnology, 2023, 195, 5497-5540.	1.4	5
9	Optimization of Dilute Acid Pretreatment for Enhanced Release of Fermentable Sugars from Sugarcane Bagasse and Validation by Biophysical Characterization. Bioenergy Research, 2023, 16, 416-434.	2.2	3
10	A comprehensive characterization of non-edible lignocellulosic biomass to elucidate their biofuel production potential. Biomass Conversion and Biorefinery, 2022, 12, 5087-5103.	2.9	25
11	The time fractional $D(m,n)$ system: invariant analysis, explicit solution, conservation laws and optical soliton. Waves in Random and Complex Media, 2022, 32, 1322-1337.	1.6	3
12	Invariant solutions of Einstein field equations in pure radiation fields. Indian Journal of Physics, 2022, 96, 1283-1288.	0.9	5
13	Deltamethrin and coumaphos resistance and role of biochemical mechanisms in camel tick, Hyalomma dromedarii collected from Haryana state of India. International Journal of Tropical Insect Science, 2022, 42, 269-274.	0.4	4
14	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
15	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
16	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. Journal of Ocean Engineering and Science, 2022, 7, 188-201.	1.7	22
17	On global behavior for complex soliton solutions of the perturbed nonlinear Schrödinger equation in nonlinear optical fibers. Journal of Ocean Engineering and Science, 2022, 7, 431-443.	1.7	30
18	Acaricidal activity of Annona squamosa L. seeds extracts against cattle tick, Rhipicephalus microplus. International Journal of Tropical Insect Science, 2022, 42, 1147-1151.	0.4	0

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19	Chebyshev spectral method for solving fuzzy fractional Fredholm–Volterra integro-differential equation. Mathematics and Computers in Simulation, 2022, 192, 501-513.	2.4	17
20	Study of exact analytical solutions and various wave profiles of a new extended (2+1)-dimensional Boussinesq equation using symmetry analysis. Journal of Ocean Engineering and Science, 2022, 7, 475-484.	1.7	21
21	Neutrophil and remnant clearance in immunity and inflammation. Immunology, 2022, 165, 22-43.	2.0	30
22	Green Synthesis of Ag_2S Quantum Dots as Sensing Probe: An Optical Sensor for the Detection of Cholesterol. Crystal Research and Technology, 2022, 57, 2100067.	0.6	2
23	Abundant analytical soliton solutions and different wave profiles to the Kudryashov-Sinelshchikov equation in mathematical physics. Journal of Ocean Engineering and Science, 2022, 7, 565-577.	1.7	12
24	Analytical soliton solutions to the generalized (3+1)-dimensional shallow water wave equation. Modern Physics Letters B, 2022, 36, .	1.0	11
25	Doubly periodic wave structure of the modified Schrödinger equation with fractional temporal evolution. Results in Physics, 2022, 33, 105128.	2.0	11
26	A (2+1)-dimensional combined KdV–mKdV equation: integrability, stability analysis and soliton solutions. Nonlinear Dynamics, 2022, 107, 2689-2701.	2.7	18
27	Brain Tumour Classification Using Noble Deep Learning Approach with Parametric Optimization through Metaheuristics Approaches. Computers, 2022, 11, 10.	2.1	32
28	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
29	Brain Tumor Classification Using Dense Efficient-Net. Axioms, 2022, 11, 34.	0.9	72
30	Lie symmetry analysis, optimal system, exact solutions and dynamics of solitons of a ($$3+1$$)-dimensional generalised BKP–Boussinesq equation. Pramana - Journal of Physics, 2022, 96, 1.	0.9	32
31	Detection of deltamethrin, cypermethrin and flumethrin efficacy against buffalo lice–Haematopinus tuberculatus. Tropical Animal Health and Production, 2022, 54, 66.	0.5	0
32	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
33	Closed-form invariant solutions from the Lie symmetry analysis and dynamics of solitonic profiles for (2 + 1)-dimensional modified Heisenberg ferromagnetic system. Modern Physics Letters B, 2022, 36, .	1.0	13
34	Cubic–Quartic Optical Soliton Perturbation with Differential Group Delay for the Lakshmanan–Porsezian–Daniel Model by Lie Symmetry. Symmetry, 2022, 14, 224.	1.1	8
35	The integrable Boussinesq equation and it's breather, lump and soliton solutions. Nonlinear Dynamics, 2022, 107, 2703-2716.	2.7	45
36	Correlating Amino Acid Interaction with Graphene-Based Materials Regulating Cell Function. Journal of the Indian Institute of Science, 2022, 102, 639-651.	0.9	4

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37	An Imaging and Computational Algorithm for Efficient Identification and Quantification of Neutrophil Extracellular Traps. Cells, 2022, 11, 191.	1.8	10
38	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. Physica Scripta, 2022, 97, 035201.	1.2	47
39	Energy Aware Resource Optimization using Unified Metaheuristic Optimization Algorithm Allocation for Cloud Computing Environment. Sustainable Computing: Informatics and Systems, 2022, 35, 100686.	1.6	10
40	A novel and efficient method for obtaining Hirota's bilinear form for the nonlinear evolution equation in (n+1) dimensions. Partial Differential Equations in Applied Mathematics, 2022, 5, 100274.	1.3	21
41	Some analytic and series solutions of integrable generalized Broer-Kaup system. AEJ - Alexandria Engineering Journal, 2022, 61, 7067-7074.	3.4	7
42	GENERALISED TWO-COMPONENT MODIFIED WEAKLY DISSIPATIVE DULLIN-GOTTWALD-HOLM SYSTEM: INVARIANCE ANALYSIS AND CONSERVATION LAWS. Mathematical Modelling and Analysis, 2022, 27, 101-116.	0.7	1
43	Symmetry reductions, generalized solutions and dynamics of wave profiles for the (2+1)-dimensional system of Broer–Kaup–Kupershmidt (BKK) equations. Mathematics and Computers in Simulation, 2022, 196, 319-335.	2.4	24
44	Microflowers of Sn-Co-S derived from ultra-thin nanosheets for supercapacitor applications. Journal of Energy Storage, 2022, 49, 104084.	3.9	20
45	Numerical study of Zika model as a mosquito-borne virus with non-singular fractional derivative. International Journal of Biomathematics, 2022, 15, .	1.5	10
46	Soliton solutions of (2+1) and (3+1)-dimensional KdV and mKdV equations. AIP Conference Proceedings, 2022, , .	0.3	1
47	Analysis of miR-375-3p, miR-197-3p, and miR-15a-5p Expression and Their Clinical Relevance as Biomarkers in Lung Cancer. Technology in Cancer Research and Treatment, 2022, 21, 153303382210809.	0.8	9
48	Symmetries of optimal system, various closed-form solutions, and propagation of different wave profiles for the Boussinesq–Burgers system in ocean waves. Physics of Fluids, 2022, 34, .	1.6	43
49	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
50	Lie Symmetries, Closed-Form Solutions, and Various Dynamical Profiles of Solitons for the Variable Coefficient (2+1)-Dimensional KP Equations. Symmetry, 2022, 14, 597.	1.1	55
51	Some optical solutions to the higher-order nonlinear Schrödinger equation with Kerr nonlinearity and a local fractional derivative. Results in Physics, 2022, 36, 105430.	2.0	2
52	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
53	Redox-active supercapacitor electrode from two-monomer-connected precursor (Pyrrole:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Electrochimica Acta, 2022, 415, 140243.	2.6	27
54	Pure-cubic optical soliton perturbation with full nonlinearity by a new generalized approach. Optik, 2022, 258, 168865.	1.4	23

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55	An efficient technique of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML display="inline" id="d1e1302" altimg="si3.svg">＜mml:mfenced open="(") Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (close method for modified KdV and Burgers equations with variable coefficients. Results in Physics, 2022, 37, 105504.	2.0	16
56	Abundant closed-form solutions of the (3+1)-dimensional Vakhnenko-Parkes equationÂdescribing the dynamics of various solitary waves in ocean engineering. Journal of Ocean Engineering and Science, 2022, , .	1.7	15
57	Botanical Leaf Disease Detection and Classification Using Convolutional Neural Network: A Hybrid Metaheuristic Enabled Approach. Computers, 2022, 11, 82.	2.1	10
58	Chaotic Sparrow Search Algorithm with Deep Transfer Learning Enabled Breast Cancer Classification on Histopathological Images. Cancers, 2022, 14, 2770.	1.7	13
59	Dynamical behaviors and abundant optical soliton solutions of the cold bosonic atoms in a zig-zag optical lattice model using two integral schemes. Mathematics and Computers in Simulation, 2022, 201, 254-274.	2.4	12
60	The (3 + 1)-dimensional Benjaminâ€"Ono equation: PainlevÃ© analysis, rogue waves, breather waves and soliton solutions. International Journal of Modern Physics B, 2022, 36, .	1.0	5
61	Different dynamics of invariant solutions to a generalized (3+1)-dimensional Camassa-Holm-Kadomtsev-Petviashvili equationÂarising in shallow water-waves. Journal of Ocean Engineering and Science, 2022, , .	1.7	10
62	Synergistic properties of essential oils of eucalyptus (*Eucalyptus globulus)* and lemon grass (*Cymbopogon flexuosus*) against cattle tick, *Rhipicephalus microplus*. International Journal of Acarology, 2022, 48, 338-343.	0.3	2
63	Dynamics of closed-form invariant solutions and diversity of wave profiles of (2+1)-dimensional Ito integro-differential equationÂvia Lie symmetry analysis. Journal of Ocean Engineering and Science, 2022, , .	1.7	11
64	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
65	Lump, soliton, and interaction solutions to a generalized two-mode higher-order nonlinear evolution equation in plasma physics. Nonlinear Dynamics, 2022, 110, 693-704.	2.7	60
66	0D 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
67	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
68	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
69	Fabrication of broccoli-like 3D nanoflowers of SnS with excellent supercapacitive performance. Journal of Alloys and Compounds, 2021, 852, 156764.	2.8	7
70	Cypermethrin resistance in Hyalomma anatolicum and Rhipicephalus microplus ticks of arid and semi-arid zone of Haryana, a northern state of India. International Journal of Tropical Insect Science, 2021, 41, 703-709.	0.4	3
71	Artificial Intelligence and Internet of Things Enabled Disease Diagnosis Model for Smart Healthcare Systems. IEEE Access, 2021, 9, 45137-45146.	2.6	94
72	Deep Learning-Based Smart IoT Health System for Blindness Detection Using Retina Images. IEEE Access, 2021, 9, 70606-70615.	2.6	16

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73	L-Selectin expression is associated with inflammatory microenvironment and favourable prognosis in breast cancer. 3 Biotech, 2021, 11, 38.	1.1	9
74	Lie symmetry analysis, abundant exact solutions and dynamics of multisolitons to the $$(2+1)$$-dimensional KP-BBM equation. Pramana - Journal of Physics, 2021, 95, 1.	0.9	37
75	Efficacy of commercially available chemical compound used against management of tick infestation in Mhow, Madhya Pradesh. International Journal of Tropical Insect Science, 2021, 41, 2469-2475.	0.4	0
76	Invariance Analysis, Exact Solution and Conservation Laws of (2 + 1) Dim Fractional Kadomtsev-Petviashvili (KP) System. Symmetry, 2021, 13, 477.	1.1	22
77	Lie symmetry analysis, group-invariant solutions and dynamics of solitons to the ($$2+1$$)-dimensional Bogoyavlenskii–Schieff equation. Pramana - Journal of Physics, 2021, 95, 1.	0.9	31
78	Invariant solutions and conservation laws of Einstein field equations in non-comoving radiation fields. Chinese Journal of Physics, 2021, 70, 37-43.	2.0	4
79	Non-auto-Bäcklund transformation and novel abundant explicit exact solutions of the variable coefficients Burger equation. Chaos, Solitons and Fractals, 2021, 145, 110775.	2.5	8
80	A (2+1)-dimensional Kadomtsev–Petviashvili equation with competing dispersion effect: Painlevé analysis, dynamical behavior and invariant solutions. Results in Physics, 2021, 23, 104043.	2.0	89
81	Sensitivity and Chaotic Dynamics of an Eco-Epidemiological System with Vaccination and Migration in Prey. Brazilian Journal of Physics, 2021, 51, 986-1006.	0.7	2
82	Dynamic analysis of the role of innate immunity in SEIS epidemic model. European Physical Journal Plus, 2021, 136, 439.	1.2	10
83	Lie symmetry reductions, abound exact solutions and localized wave structures of solitons for a (2 +) Tj ETQq1 1 0.784314 rgBT /Over	1.0	16
84	The Lie symmetry analysis and exact Jacobi elliptic solutions for the Kawahara–KdV type equations. Results in Physics, 2021, 23, 104006.	2.0	55
85	Lie symmetries, optimal system, group-invariant solutions and dynamical behaviors of solitary wave solutions for a (3+1)-dimensional KdV-type equation. European Physical Journal Plus, 2021, 136, 1.	1.2	39
86	Some more closed-form invariant solutions and dynamical behavior of multiple solitons for the (2+1)-dimensional rdDym equation using the Lie symmetry approach. Results in Physics, 2021, 24, 104201.	2.0	39
87	Formulation and Evaluation of Sustained Release Matrix Tablets of Aceclofenac. Borneo Journal of Pharmacy, 2021, 4, 99-109.	0.1	2
88	New exact static solutions of Einstein-Maxwell field equations with a magnetic dipole. Results in Physics, 2021, 24, 104136.	2.0	6
89	Abundant exact closed-form solutions and solitonic structures for the double-chain deoxyribonucleic acid (DNA) model. Brazilian Journal of Physics, 2021, 51, 1043-1068.	0.7	36
90	A new Painlevé integrable Broer-Kaup system: symmetry analysis, analytic solutions and conservation laws. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 3711-3721.	1.6	3

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91	Lie Symmetry Analysis and Dynamics of Exact Solutions of the (2+1)-Dimensional Nonlinear Sharmaâ€"Tassoâ€"Olver Equation. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	3
92	Chaos detection in SIR model with modified Beddingtonâ€"De Angelis type incidence rate and saturated treatment. International Journal of Modeling, Simulation, and Scientific Computing, 2021, 12, 2150049.	0.9	1
93	Urine miRNA signature as a potential non-invasive diagnostic and prognostic biomarker in cervical cancer. Scientific Reports, 2021, 11, 10323.	1.6	31
94	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. Chinese Journal of Physics, 2021, 71, 518-538.	2.0	20
95	Optical solitons and bifurcation analysis in fiber Bragg gratings with Lie symmetry and Kudryashovâ€™s approach. Nonlinear Dynamics, 2021, 105, 735-751.	2.7	29
96	Abundant closed-form solutions and solitonic structures to an integrable fifth-order generalized nonlinear evolution equation in plasma physics. Results in Physics, 2021, 26, 104453.	2.0	57
97	On new symmetries and exact solutions of Einsteinâ€™s field equation for perfect fluid distribution. Pramana - Journal of Physics, 2021, 95, 1.	0.9	5
98	New optical soliton solutions via two distinctive schemes for the DNA Peyrardâ€"Bishop equation in fractal order. Modern Physics Letters B, 2021, 35, 2150444.	1.0	24
99	Application of the Lie symmetry approach to an extended Jimboâ€"Miwa equation in (3+1) dimensions. European Physical Journal Plus, 2021, 136, 1.	1.2	21
100	On the Classification of MR Images Using â€œELM-SSAâ€•Coated Hybrid Model. Mathematics, 2021, 9, 2095.	1.1	16
101	Invariance analysis, optimal system, closed-form solutions and dynamical wave structures of a (2+1)-dimensional dissipative long wave system. Physica Scripta, 2021, 96, 125202.	1.2	86
102	Role of microRNAs in regulating cell proliferation, metastasis and chemoresistance and their applications as cancer biomarkers in small cell lung cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188552.	3.3	23
103	Potential environmental toxicant exposure, metabolizing gene variants and risk of PCOS-A systematic review. Reproductive Toxicology, 2021, 103, 124-132.	1.3	6
104	Abundant different types of exact soliton solution to the (4+1)-dimensional Fokas and (2+1)-dimensional breaking soliton equations. Communications in Theoretical Physics, 2021, 73, 105007.	1.1	79
105	A (2+1)-dimensional generalized Hirotaâ€"Satsumaâ€"Ito equations: Lie symmetry analysis, invariant solutions and dynamics of soliton solutions. Results in Physics, 2021, 28, 104621.	2.0	41
106	Invariant solutions and bifurcation analysis of the nonlinear transmission line model. Nonlinear Dynamics, 2021, 106, 211-227.	2.7	3
107	Dynamical analysis of SEIS model with nonlinear innate immunity and saturated treatment. European Physical Journal Plus, 2021, 136, 952.	1.2	5
108	Cubic-quartic optical solitons with Kudryashovâ€™s law of refractive index by Lie symmetry analysis. Optik, 2021, 242, 167308.	1.4	17

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109	Generalised exponential rational function method for obtaining numerous exact soliton solutions to a ($$3+1$$)-dimensional Jimboâ€"Miwa equation. Pramana - Journal of Physics, 2021, 95, 1.	0.9	12
110	A plentiful supply of soliton solutions for DNA Peyrardâ€"Bishop equation by means of a new auxiliary equation strategy. International Journal of Modern Physics B, 2021, 35, .	1.0	22
111	An IGA based nonlocal gradient-enhanced damage model for failure analysis of cortical bone. Engineering Fracture Mechanics, 2021, 255, 107976.	2.0	9
112	Core@shell quantum dots as a fluorescent probe for the detection of cholesterol and heavy metal ions in aqueous media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127090.	2.3	8
113	A study of Bogoyavlenskiiâ€™s (2+1)-dimensional breaking soliton equation: Lie symmetry, dynamical behaviors and closed-form solutions. Results in Physics, 2021, 29, 104793.	2.0	17
114	Different analytical approaches for finding novel optical solitons with generalized third-order nonlinear SchrÃ¶dinger equation. Results in Physics, 2021, 29, 104755.	2.0	21
115	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
116	Unsupervised Deep Learning based Variational Autoencoder Model for COVID-19 Diagnosis and Classification. Pattern Recognition Letters, 2021, 151, 267-274.	2.6	54
117	Straddled optical solitons for cubicâ€"quartic Lakshmananâ€"Porsezianâ€"Daniel model by Lie symmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 417, 127706.	0.9	12
118	An efficient Mittag-Leffler kernel approach for time-fractional advection-reaction-diffusion equation. Applied Numerical Mathematics, 2021, 170, 190-207.	1.2	33
119	An intelligent cognitive computing based intrusion detection for industrial cyber-physical systems. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110145.	2.5	30
120	A malaria model with Caputoâ€"Fabrizio and Atanganaâ€"Baleanu derivatives. International Journal of Modeling, Simulation, and Scientific Computing, 2021, 12, 2150013.	0.9	28
121	Lie symmetry analysis for obtaining exact soliton solutions of generalized Camassaâ€"Holmâ€"Kadomtsevâ€"Petviashvili equation. International Journal of Modern Physics B, 2021, 35, 2150028.	1.0	41
122	Dynamical behaviors of various optical soliton solutions for the Fokasâ€"Lenells equation. Modern Physics Letters B, 2021, 35, .	1.0	25
123	Some new families of exact solitary wave solutions of the Kleinâ€"Gordonâ€"Zakharov equations in plasma physics. Pramana - Journal of Physics, 2021, 95, 1.	0.9	28
124	An extended (3+1)-dimensional Jimboâ€"Miwa equation: Symmetry reductions, invariant solutions and dynamics of different solitary waves. Modern Physics Letters B, 2021, 35, .	1.0	26
125	Abundant analytical soliton solutions and Evolutionary behaviors of various wave profiles to the Chaffeeâ€"Infante equation with gas diffusion in a homogeneous medium. Results in Physics, 2021, 30, 104866.	2.0	26
126	Exact closed-form solutions and dynamics of solitons for a $$(2+1)$$-dimensional universal hierarchy equation via Lie approach. Pramana - Journal of Physics, 2021, 95, 1.	0.9	10

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127	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
128	Evaluation of the programmed death-ligand 1 mRNA expression and immunopositivity and their correlation with survival outcomes in Indian lung cancer patients. Human Cell, 2021, , 1.	1.2	0
129	A study of multi-soliton solutions, breather, lumps, and their interactions for kadomtsev-petviashvili equation with variable time coeffcient using hirota method. Physica Scripta, 2021, 96, 125255.	1.2	73
130	Numerical Approximation of Generalized Burger's-Fisher and Generalized Burger's-Huxley Equation by Compact Finite Difference Method. Advances in Mathematical Physics, 2021, 2021, 1-17.	0.4	2
131	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
132	Quasi wavelet numerical approach of non-linear reaction diffusion and integro reaction-diffusion equation with Atangana–Baleanu time fractional derivative. Chaos, Solitons and Fractals, 2020, 130, 109456.	2.5	11
133	A Legendre spectral finite difference method for the solution of non-linear space-time fractional Burger's–Huxley and reaction-diffusion equation with Atangana–Baleanu derivative. Chaos, Solitons and Fractals, 2020, 130, 109402.	2.5	14
134	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
135	Nanographenes: Ultrastable, Switchable, and Bright Probes for Super-Resolution Microscopy. Angewandte Chemie - International Edition, 2020, 59, 496-502.	7.2	35
136	An efficient technique for solving the space-time fractional reaction-diffusion equation in porous media. Chinese Journal of Physics, 2020, 68, 483-492.	2.0	34
137	Dynamical structures of solitons and some new types of exact solutions for the (2+1)-dimensional DJKM equation using Lie symmetry analysis. Modern Physics Letters B, 2020, 34, 2150015.	1.0	34
138	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
139	Security Challenges and Cyber Forensic Ecosystem in IoT Driven BYOD Environment. IEEE Access, 2020, 8, 172770-172782.	2.6	16
140	ZnS–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. ACS Applied Materials & Interfaces, 2020, 12, 47377-47388.	4.0	49
141	Lie symmetry analysis, exact analytical solutions and dynamics of solitons for (2 + 1)-dimensional NNV equations. Physica Scripta, 2020, 95, 095204.	1.2	86
142	Identification of differentially expressed circulating serum microRNA for the diagnosis and prognosis of Indian non–small cell lung cancer patients. Current Problems in Cancer, 2020, 44, 100540.	1.0	39
143	A new numerical study of space–time fractional advection–reaction–diffusion equation with Rabotnov fractional–exponential kernel. Numerical Methods for Partial Differential Equations, 2020, , .	2.0	1
144	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

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145	Exact solutions of Einstein field equations in perfect fluid distribution using Lie symmetry method. European Physical Journal Plus, 2020, 135, 1.	1.2	9
146	Lie symmetry reductions and dynamics of soliton solutions of (2Â$$+$$Â1)-dimensional Pavlov equation. Pramana - Journal of Physics, 2020, 94, 1.	0.9	62
147	Some More Solutions of Caudreyâ€"Doddâ€"Gibbon Equation Using Optimal System of Lie Symmetries. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	7
148	New exact solitary wave solutions of the strain wave equation in microstructured solids via the generalized exponential rational function method. European Physical Journal Plus, 2020, 135, 1.	1.2	86
149	A Numerical Method for Time-Fractional Reaction-Diffusion and Integro Reaction-Diffusion Equation Based on Quasi-Wavelet. Complexity, 2020, 2020, 1-11.	0.9	3
150	Biological functions of long noncoding RNAs and circular RNAs in small-cell lung cancer. Epigenomics, 2020, 12, 1751-1763.	1.0	6
151	Modified Vakhnenkoâ€"Parkes equation with power law nonlinearity: PainlevÃ© analysis, analytic solutions and conservation laws. European Physical Journal Plus, 2020, 135, 1.	1.2	10
152	Symmetry reductions and conservation laws of Rosenau Hyman equation with arbitrary constant coefficients. AIP Conference Proceedings, 2020, , .	0.3	1
153	Numerical solution of fuzzy fractional diffusion equation by Chebyshev spectral method. Numerical Methods for Partial Differential Equations, 2020, , .	2.0	8
154	Exact non-static solutions of Einstein vacuum field equations. Chinese Journal of Physics, 2020, 68, 735-744.	2.0	12
155	The role of renewable chemicals and biofuels in building a bioeconomy. Biofuels, Bioproducts and Biorefining, 2020, 14, 830-844.	1.9	96
156	A New Numerical Method for Time Fractional Non-linear Sharma-Tasso-Oliver Equation and Klein-Gordon Equation With Exponential Kernel Law. Frontiers in Physics, 2020, 8, .	1.0	10
157	A localizing gradient damage enhancement with micromorphic stressâ€based anisotropic nonlocal interactions. International Journal for Numerical Methods in Engineering, 2020, 121, 4003-4027.	1.5	16
158	Numerical solution of twoâ€dimensional time fractional cable equation with Mittagâ€Leffler kernel. Mathematical Methods in the Applied Sciences, 2020, 43, 8348-8362.	1.2	11
159	A re-visitation to reported results on optical solitons. Chaos, Solitons and Fractals, 2020, 137, 109855.	2.5	19
160	On new symmetry, series solution and conservation laws of nonlinear coupled Higgs field equation. European Physical Journal Plus, 2020, 135, 1.	1.2	14
161	Bridging chains mediate nonlinear mechanics of polymer nanocomposites under cyclic deformation. Polymer, 2020, 200, 122529.	1.8	3
162	DOUBLE-QUASI-WAVELET NUMERICAL METHOD FOR THE VARIABLE-ORDER TIME FRACTIONAL AND RIESZ SPACE FRACTIONAL REACTIONâ€"DIFFUSION EQUATION INVOLVING DERIVATIVES IN CAPUTOâ€"FABRIZIO SENSE. Fractals, 2020, 28, 2040047.	1.8	2

#	ARTICLE	IF	CITATIONS
163	Numerical solutions for the reaction–diffusion, diffusion–wave, and Cattaneo equations using a new operational matrix for the Caputo–Fabrizio derivative. Mathematical Methods in the Applied Sciences, 2020, 43, 8595-8607.	1.2	19
164	Effect of glycerol thermal and hydrothermal pretreatments on lignin degradation and enzymatic hydrolysis in paddy straw. Renewable Energy, 2020, 154, 1304-1313.	4.3	49
165	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
166	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
167	Role of non-coding RNA networks in leukemia progression, metastasis and drug resistance. Molecular Cancer, 2020, 19, 57.	7.9	68
168	Lie symmetry analysis and generalized invariant solutions of (2+1)-dimensional dispersive long wave (DLW) equations. Physica Scripta, 2020, 95, 065207.	1.2	89
169	A novel mathematical approach of COVID-19 with non-singular fractional derivative. Chaos, Solitons and Fractals, 2020, 139, 110048.	2.5	25
170	Dysregulation of miRNA expression and their prognostic significance in paediatric cytogenetically normal acute myeloid leukaemia. British Journal of Haematology, 2020, 188, e90-e94.	1.2	3
171	Computational soliton solutions to $(2+1)$-dimensional Pavlov equation using Lie symmetry approach. Pramana - Journal of Physics, 2020, 94, 1.	0.9	19
172	Linking graphene-based material physicochemical properties with molecular adsorption, structure and cell fate. Communications Chemistry, 2020, 3, .	2.0	87
173	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. European Physical Journal Plus, 2020, 135, 1.	1.2	2
174	Solitary wave solutions of pZK equation using Lie point symmetries. European Physical Journal Plus, 2020, 135, 1.	1.2	50
175	Optical solitons with generalized anti-cubic nonlinearity by Lie symmetry. Optik, 2020, 206, 163638.	1.4	27
176	Approximate analytical solution of two–dimensional space–time fractional diffusion equation. Mathematical Methods in the Applied Sciences, 2020, 43, 7194-7207.	1.2	8
177	Narrowing of filters and laser mirror in tilt-modulated chiral sculptured thin films. Optics Communications, 2020, 473, 125927.	1.0	0
178	An Approach to Fuzzy Clustering of Big Data Inside a Parallel Relational DBMS. Communications in Computer and Information Science, 2020, , 211-223.	0.4	1
179	Analyzing MRI scans to detect glioblastoma tumor using hybrid deep belief networks. Journal of Big Data, 2020, 7, .	6.9	16
180	Fractional (3+1)-dim Jimbo Miwa system: invariance properties, exact solutions, solitary pattern solutions and conservation laws. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 843-854.	0.4	4

#	Article	IF	Citations
181	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
182	Erratum to â€œConserved vectors with conformable derivative for certain systems of partial differential equations with physical applicationsâ€. Open Physics, 2020, 18, 1108-1110.	0.8	1
183	Lie symmetry analysis, complex and singular solutions of ($$2+1$$ 2 + 1)-dimensional combined MCBSâ€"nMCBS equation. International Journal of Dynamics and Control, 2019, 7, 496-509.	1.5	16
184	Asymptotic stability of one prey and two predators model with two functional responses. Ricerche Di Matematica, 2019, 68, 435-452.	0.6	7
185	Canvassing the aetiology, prognosis and molecular signatures of obstructive sleep apnoea. Biomarkers, 2019, 24, 1-16.	0.9	14
186	Fabrication of Coâ€"Niâ€"Zn ternary Oxide@NiWO4 core-shell nanowire arrays and Fe2O3-CNTs@GF for ultra-high-performance asymmetric supercapacitor. Composites Part B: Engineering, 2019, 176, 107223.	5.9	49
187	One-step hydrothermal synthesis of high surface area m-ZrO2 nanorings with lower band gap, blue emission and high photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2019, 30, 15923-15927.	1.1	0
188	PARP-1 inhibitor modulate Î²-catenin signaling to enhance cisplatin sensitivity in cancer cervix. Oncotarget, 2019, 10, 4262-4275.	0.8	20
189	Quantitative Mapping of Triacylglycerol Chain Length and Saturation Using Broadband CARSÂMicroscopy. Biophysical Journal, 2019, 116, 2346-2355.	0.2	11
190	Approximate analytical solution of coupled fractional order reaction-advection-diffusion equations. European Physical Journal Plus, 2019, 134, 1.	1.2	18
191	Group invariant solutions of (2+1)-dimensional rdDym equation using optimal system of Lie subalgebra. Physica Scripta, 2019, 94, 115202.	1.2	18
192	Localizing gradient damage model with micro inertia effect for dynamic fracture. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 492-512.	3.4	20
193	Space time fractional Drinfel'd-Sokolov-Wilson system with time-dependent variable coefficients: Symmetry analysis, power series solutions and conservation laws. European Physical Journal Plus, 2019, 134, 1.	1.2	7
194	Lie symmetry reductions and group invariant solutions of (2Â+Â1)-dimensional modified Veronese web equation. Nonlinear Dynamics, 2019, 98, 1891-1903.	2.7	93
195	Gegenbauer wavelet operational matrix method for solving variable-order non-linear reactionâ€"diffusion and Galilei invariant advectionâ€"diffusion equations. Computational and Applied Mathematics, 2019, 38, 1.	1.0	11
196	A review on biomethane potential of paddy straw and diverse prospects to enhance its biodigestibility. Journal of Cleaner Production, 2019, 217, 295-307.	4.6	34
197	Symmetry analysis of some nonlinear generalised systems of spaceâ€"time fractional partial differential equations with time-dependent variable coefficients. Pramana - Journal of Physics, 2019, 93, 1.	0.9	5
198	A review on bioprocessing of paddy straw to ethanol using simultaneous saccharification and fermentation. Process Biochemistry, 2019, 85, 125-134.	1.8	53

#	Article	IF	Citations
199	Identifying pneumonia in chest X-rays: A deep learning approach. Measurement: Journal of the International Measurement Confederation, 2019, 145, 511-518.	2.5	299
200	Delay Optimization Using Genetic Algorithm at the Road Intersection. International Journal of Information Retrieval Research, 2019, 9, 1-10.	0.6	1
201	Orientation dependent electronic and optical properties of ZnS nanowires and ZnSâ€"Si core shell nanowires. Applied Surface Science, 2019, 486, 539-545.	3.1	14
202	Hierarchical design of Cu-Ni(OH)2/Cu-MnxOy core/shell nanosheet arrays for ultra-high performance of asymmetric supercapacitor. Chemical Engineering Journal, 2019, 369, 705-715.	6.6	49
203	Grade 3 AC joint injury: A survey of current practice in the United Kingdom. Journal of Orthopaedic Surgery, 2019, 27, 230949901882522.	0.4	7
204	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
205	Time fractional Biswasâ€"Milovic equation: Group analysis, soliton solutions, conservation laws and residual power series solution. Optik, 2019, 183, 1085-1098.	1.4	16
206	Comment on â€œTime fractional third-order variant Boussinesq system: Symmetry analysis, explicit solutions, conservation laws and numerical approximationsâ€•by Fairouz Tchier et al.. European Physical Journal Plus, 2019, 134, 1.	1.2	0
207	Optical solitons and other solutions with anti-cubic nonlinearity by Lie symmetry analysis and additional integration architectures. Optik, 2019, 185, 30-38.	1.4	19
208	Evaluating the Pathway for Co-fermentation of Glucose and Xylose for Enhanced Bioethanol Production Using Flux Balance Analysis. Biotechnology and Bioprocess Engineering, 2019, 24, 924-933.	1.4	10
209	Internet of Things is a revolutionary approach for future technology enhancement: a review. Journal of Big Data, 2019, 6, .	6.9	479
210	Chaotic behavior of predator-prey model with group defense and non-linear harvesting in prey. Chaos, Solitons and Fractals, 2019, 119, 19-28.	2.5	35
211	Solitary wave solutions of (3+1)-dimensional extended Zakharovâ€"Kuznetsov equation by Lie symmetry approach. Computers and Mathematics With Applications, 2019, 77, 2096-2113.	1.4	64
212	Group invariant solutions of (3+1)-dimensional generalized B-type Kadomstsev Petviashvili equation using optimal system of Lie subalgebra. Physica Scripta, 2019, 94, 065204.	1.2	41
213	An ensemble classification approach for prediction of userâ€™s next location based on Twitter data. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 4503-4513.	3.3	11
214	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
215	Biohythane production in two-stage anaerobic digestion system. International Journal of Hydrogen Energy, 2019, 44, 17363-17380.	3.8	85
216	A homogenized multigrid XFEM to predict the crack growth behavior of ductile material in the presence of microstructural defects. Engineering Fracture Mechanics, 2019, 205, 577-602.	2.0	25

#	ARTICLE	IF	CITATIONS
217	An operational matrix for solving time-fractional order Cahn-Hilliard equation. Thermal Science, 2019, 23, 2045-2052.	0.5	6
218	Twitter-based Opinion Mining for Flight Service utilizing Machine Learning. Informatica (Slovenia), 2019, 43, .	0.6	3
219	A Modified Event Grouping Based Algorithm for The University Course Timetabling Problem. International Journal on Advanced Science, Engineering and Information Technology, 2019, 9, 229-235.	0.2	1
220	Symmetry analysis and invariant solutions of (3 + 1)-dimensional Kadomtsevâ€"Petviashvili equation. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850125.	0.8	13
221	Type I Collagen from Jellyfish <i>Catostylus mosaicus</i> for Biomaterial Applications. ACS Biomaterials Science and Engineering, 2018, 4, 2115-2125.	2.6	52
222	Hierarchical nanohoneycomb-like $CoMoO_4$â€"MnO_2 coreâ€"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
223	Lie symmetry analysis and invariant solutions of $$\varvec{(3+1)}$$ (3 + 1) -dimensional Calogeroâ€"Bogoyavlenskiiâ€"Schiff equation. Nonlinear Dynamics, 2018, 93, 349-360.	2.7	27
224	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
225	Xylose transport in yeast for lignocellulosic ethanol production: Current status. Journal of Bioscience and Bioengineering, 2018, 125, 259-267.	1.1	27
226	Recent Trends in the Pretreatment of Lignocellulosic Biomass for Value-Added Products. Frontiers in Energy Research, 2018, 6, .	1.2	622
227	Symmetry analysis, explicit power series solutions and conservation laws of the space-time fractional variant Boussinesq system. European Physical Journal Plus, 2018, 133, 1.	1.2	10
228	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
229	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
230	Fabrication of 3D graphene-CNTs/Î±-MoO3 hybrid film as an advance electrode material for asymmetric supercapacitor with excellent energy density and cycling life. Chemical Engineering Journal, 2018, 352, 268-276.	6.6	79
231	Floating node method with domain-based interaction integral for generic 2D crack growths. Theoretical and Applied Fracture Mechanics, 2018, 96, 483-496.	2.1	8
232	Biohydrogen Production from Lignocellulosic Feedstocks Using Extremophiles. , 2018, , 79-96.		4
233	Assessing the effects of treatment in HIV-TB co-infection model. European Physical Journal Plus, 2018, 133, 1.	1.2	12
234	Symmetry analysis and some new exact solutions of Bornâ€"Infeld equation. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850183.	0.8	4

#	Article	IF	Citations
235	Epigenetic regulators of programmed death-ligand 1 expression in human cancers. Translational Research, 2018, 202, 129-145.	2.2	36
236	Valorization of By-Products Following the Biorefinery Concept. , 2018, , 163-178.		8
237	Severity analysis of powered two wheeler traffic accidents in Uttarakhand, India. European Transport Research Review, 2017, 9, .	2.3	29
238	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. Cancer Investigation, 2017, 35, 423-430.	0.6	7
239	Augmentation of ethanol production through statistically designed growth and fermentation medium using novel thermotolerant yeast isolates. Renewable Energy, 2017, 109, 406-421.	4.3	22
240	Potential of Bioelectricity Production in India Through Thermochemical Conversion of Lignocellulosic Biomass. , 2017, , 189-206.		3
241	Synergistic interactions between silver decorated graphene and carbon nanotubes yield flexible composites to attenuate electromagnetic radiation. Nanotechnology, 2017, 28, 025201.	1.3	29
242	Malicious PDF Files Detection Using Structural and Javascript Based Features. Communications in Computer and Information Science, 2017, , 137-147.	0.4	4
243	Improved performance of data warehouse. , 2017, , .		5
244	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
245	Technique for gentle accurate reproducible closed reduction of intracapsular fracture of neck of femur. Injury, 2017, 48, 789-790.	0.7	7
246	A comparative analysis of heterogeneity in road accident data using data mining techniques. Evolving Systems, 2017, 8, 147-155.	2.4	37
247	Invariant solutions of Biswas-Milovic equation. Nonlinear Dynamics, 2017, 87, 1153-1157.	2.7	21
248	Evolutionary Adaptation of Kluyveromyces marxianus NIRE-K3 for Enhanced Xylose Utilization. Frontiers in Energy Research, 2017, 5, .	1.2	19
249	Analysis of hourly road accident counts using hierarchical clustering and cophenetic correlation coefficient (CPCC). Journal of Big Data, 2016, 3, .	6.9	33
250	Painlevé analysis and invariant solutions of Vakhnenkoâ€"Parkes (VP) equation with power law nonlinearity. Nonlinear Dynamics, 2016, 85, 1275-1279.	2.7	14
251	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. Journal of Alloys and Compounds, 2016, 679, 324-334.	2.8	84
252	Regulation of expression of microRNAs by DNA methylation in lung cancer. Biomarkers, 2016, 21, 589-599.	0.9	8

#	Article	IF	Citations
253	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
254	3D scaffold alters cellular response to graphene in a polymer composite for orthopedic applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 732-749.	1.6	57
255	Multifunctional biodegradable polymer nanocomposite incorporating graphene-silver hybrid for biomedical applications. Materials and Design, 2016, 108, 319-332.	3.3	81
256	A Pit-1 Binding Site Adjacent to E-box133 in the Rat PRL Promoter is Necessary for Pulsatile Gene Expression Activity. Neurochemical Research, 2016, 41, 1390-1400.	1.6	2
257	A novel framework to analyze road accident time series data. Journal of Big Data, 2016, 3, .	6.9	23
258	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. RSC Advances, 2016, 6, 8651-8660.	1.7	39
259	Experimental and theoretical evidence for the presence of room temperature ferromagnetism in undoped and Mn doped tetragonal ZrO2 nanostructures. Chemical Physics Letters, 2016, 644, 271-275.	1.2	11
260	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
261	One-step in situ synthesis of CeO_2 nanoparticles grown on reduced graphene oxide as an excellent fluorescent and photocatalyst material under sunlight irradiation. Physical Chemistry Chemical Physics, 2016, 18, 11157-11167.	1.3	89
262	Room temperature ferromagnetism in undoped and Mn doped t-ZrO2 nanostructures originated due to oxygen vacancy and effect of Mn doping on its optical properties. Materials Chemistry and Physics, 2016, 169, 13-20.	2.0	36
263	Facile synthesis of vanadia nanoparticles and assessment of antibacterial activity and cytotoxicity. Materials Technology, 2016, 31, 562-573.	1.5	22
264	Effect of Evolutionary Adaption on Xylosidase Activity in Thermotolerant Yeast Isolates Kluyveromyces marxianus NIRE-K1 and NIRE-K3. Applied Biochemistry and Biotechnology, 2016, 179, 1143-1154.	1.4	13
265	A data mining approach to characterize road accident locations. Journal of Modern Transportation, 2016, 24, 62-72.	2.5	111
266	Enhancement in xylose utilization using Kluyveromyces marxianus NIRE-K1 through evolutionary adaptation approach. Bioprocess and Biosystems Engineering, 2016, 39, 835-843.	1.7	35
267	Cr modified Raman, optical band gap and magnetic properties of SnO2 nanoparticles. Journal of Materials Science: Materials in Electronics, 2016, 27, 6020-6029.	1.1	27
268	Engineering a multi-biofunctional composite using poly(ethylenimine) decorated graphene oxide for bone tissue regeneration. Nanoscale, 2016, 8, 6820-6836.	2.8	107
269	Unimpeded permeation of water through biocidal graphene oxide sheets anchored on to 3D porous polyolefinic membranes. Nanoscale, 2016, 8, 8048-8057.	2.8	27
270	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

#	Article	IF	Citations
271	Diagnostic & prognostic role of microRNAs in paediatric acute myeloid leukaemia. Indian Journal of Medical Research, 2016, 144, 807.	0.4	3
272	A new search for thermotolerant yeasts, its characterization and optimization using response surface methodology for ethanol production. Frontiers in Microbiology, 2015, 6, 889.	1.5	50
273	Oxygen vacancy induced photoluminescence properties and enhanced photocatalytic activity of ferromagnetic ZrO2 nanostructures on methylene blue dye under ultra-violet radiation. Journal of Alloys and Compounds, 2015, 644, 654-662.	2.8	104
274	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
275	A data mining framework to analyze road accident data. Journal of Big Data, 2015, 2, .	6.9	90
276	Strontium eluting graphene hybrid nanoparticles augment osteogenesis in a 3D tissue scaffold. Nanoscale, 2015, 7, 2023-2033.	2.8	91
277	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
278	Opacity and plasmonic properties of Ag embedded glass based metamaterials. RSC Advances, 2015, 5, 12555-12562.	1.7	64
279	A homogenized XFEM approach to simulate fatigue crack growth problems. Computers and Structures, 2015, 150, 1-22.	2.4	78
280	Enzymatically degradable EMI shielding materials derived from PCL based nanocomposites. RSC Advances, 2015, 5, 17716-17725.	1.7	32
281	Bioprospecting thermophilic/thermotolerant microbes for production of lignocellulosic ethanol: A future perspective. Renewable and Sustainable Energy Reviews, 2015, 51, 699-717.	8.2	92
282	Absence of room temperature ferromagnetism in Fe stabilized ZrO2 nanostructures and effect of Fe doping on its structural, optical and luminescence properties. Journal of Alloys and Compounds, 2015, 649, 348-356.	2.8	45
283	Kinetic studies of two-stage sulphuric acid hydrolysis of sugarcane bagasse. Renewable Energy, 2015, 83, 850-858.	4.3	62
284	Solitons and other solutions of the long-short wave equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 129-145.	1.6	12
285	Bioprospecting thermostable cellulosomes for efficient biofuel production from lignocellulosic biomass. Bioresources and Bioprocessing, 2015, 2, .	2.0	28
286	Continuous ethanol production from sugarcane bagasse hydrolysate at high temperature with cell recycle and in-situ recovery of ethanol. Chemical Engineering Science, 2015, 138, 524-530.	1.9	23
287	Bioprocessing of bagasse hydrolysate for ethanol and xylitol production using thermotolerant yeast. Bioprocess and Biosystems Engineering, 2015, 38, 39-47.	1.7	32
288	Modeling and simulation of kinked cracks by virtual node XFEM. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 1425-1466.	3.4	70

#	Article	IF	Citations
289	Effect of calcination temperature on phase transformation, structural and optical properties of sol–gel derived ZrO2 nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 66, 74-80.	1.3	78
290	Effect of organically modified clay on mechanical properties, cytotoxicity and bactericidal properties of poly(Îµ-caprolactone) nanocomposites. Materials Research Express, 2014, 1, 045302.	0.8	12
291	A multigrid coupled (FE-EFG) approach to simulate fatigue crack growth in heterogeneous materials. Theoretical and Applied Fracture Mechanics, 2014, 72, 121-135.	2.1	31
292	A coupled finite element and element-free Galerkin approach for the simulation of stable crack growth in ductile materials. Theoretical and Applied Fracture Mechanics, 2014, 70, 49-58.	2.1	30
293	XFEM simulation of stable crack growth using J–R curve under finite strain plasticity. International Journal of Mechanics and Materials in Design, 2014, 10, 165-177.	1.7	35
294	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
295	Importance of chemical pretreatment for bioconversion of lignocellulosic biomass. Renewable and Sustainable Energy Reviews, 2014, 36, 91-106.	8.2	700
296	Amine-functionalized multiwall carbon nanotubes impart osteoinductive and bactericidal properties in poly(Îµ-caprolactone) composites. RSC Advances, 2014, 4, 19086-19098.	1.7	64
297	An efficient and reproducible process for transmission electron microscopy (TEM) of rare cell populations. Journal of Immunological Methods, 2014, 404, 87-90.	0.6	20
298	Scope of Algae as Third Generation Biofuels. Frontiers in Bioengineering and Biotechnology, 2014, 2, 90.	2.0	227
299	Kinetic studies of ethanol fermentation using <i>Kluyveromyces</i> sp. <scp>IIPE453</scp>. Journal of Chemical Technology and Biotechnology, 2013, 88, 1874-1884.	1.6	13
300	Numerical Investigation of Stable Crack Growth in Ductile Materials Using XFEM. Procedia Engineering, 2013, 64, 652-660.	1.2	8
301	Design, development and technological advancement in the biomass cookstoves: A review. Renewable and Sustainable Energy Reviews, 2013, 26, 265-285.	8.2	104
302	Polymorphism <i>Arg72Pro</i> of <i>p53</i> Confers Susceptibility to Squamous Cell Carcinoma of Lungs in a North Indian Population. DNA and Cell Biology, 2013, 32, 66-72.	0.9	5
303	Dynamics of internal waves in a stratified ocean modeled by the extended Gardner equation with time-dependent coefficients. Ocean Engineering, 2013, 70, 81-87.	1.9	5
304	Biological Pretreatment of Lignocellulosic Biomass for Enzymatic Saccharification. Green Energy and Technology, 2013, , 3-34.	0.4	29
305	Cooling System Economy in Ethanol Production Using Thermotolerant Yeast Kluyveromyces Sp. IIPE453. American Journal of Microbiological Research, 2013, 1, 39-44.	0.2	16
306	Solitons and other nonlinear waves of the Boussinesq equation. Nonlinear Dynamics, 2012, 70, 1213-1221.	2.7	66

#	ARTICLE	IF	CITATIONS
307	Coupled Higgs field equation and Hamiltonian amplitude equation: Lie classical approach and (Gâ€²/G)-expansion method. Pramana - Journal of Physics, 2012, 79, 41-60.	0.9	79
308	A novel thermostable xylanase of <i>Paenibacillus macerans</i> IIPSP3 isolated from the termite gut. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 851-860.	1.4	56
309	PainlevÃ© analysis, Lie symmetries and exact solutions for (2+1)-dimensional variable coefficients Broerâ€"Kaup equations. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1529-1541.	1.7	50
310	Targeting Mcl-1 for the therapy of cancer. Expert Opinion on Investigational Drugs, 2011, 20, 1397-1411.	1.9	173
311	Charged Analogues of Henning Knutsen Type Solutions in General Relativity. International Journal of Theoretical Physics, 2011, 50, 3337-3347.	0.5	1
312	A new class of relativistic perfect fluid cylinders with expansion proportional to shear scalar. Astrophysics and Space Science, 2011, 332, 49-56.	0.5	1
313	Benjaminâ€"Bonaâ€"Mahony (BBM) equation with variable coefficients: Similarity reductions and PainlevÃ© analysis. Applied Mathematics and Computation, 2011, 217, 7021-7027.	1.4	32
314	Association of Functionally Important Polymorphism of Microsomal Epoxide Hydrolase Gene (EPHX1) With Lung Cancer Susceptibility. Cancer Investigation, 2011, 29, 411-418.	0.6	20
315	Characterization of hyperthermostable Î±-amylase from Geobacillus sp. IIPTN. Applied Microbiology and Biotechnology, 2010, 86, 1857-1866.	1.7	62
316	Plasma Nucleosome Levels Might Predict Response to Therapy in Patients With Advanced Nonâ€"Small-Cell Lung Cancer. Clinical Lung Cancer, 2010, 11, 36-44.	1.1	24
317	Feasibility of ethanol production with enhanced sugar concentration in bagasse hydrolysate at high temperature usingKluyveromycessp. IIPE453. Biofuels, 2010, 1, 697-704.	1.4	18
318	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
319	Utility of plasma tumour necrosis factor-Î± and transforming growth factor-Î²1 as predictors of survival and treatment outcome in advanced non-small cell lung carcinoma. Biomarkers, 2010, 15, 446-453.	0.9	4
320	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. Lung Cancer, 2010, 70, 211-217.	0.9	40
321	Lack of utility of plasma TNF-Î± level in predicting therapeutic efficacy in patients with advanced non-small cell lung cancer. Cytokine, 2010, 51, 245-248.	1.4	3
322	SOME NONCONFORMAL ACCELERATING PERFECT FLUID PLATES OF EMBEDDING CLASS 1 USING SIMILARITY TRANSFORMATIONS. International Journal of Modern Physics A, 2010, 25, 1863-1879.	0.5	11
323	Efficacy of plasma vascular endothelial growth factor in monitoring first-line chemotherapy in patients with advanced non-small cell lung cancer. BMC Cancer, 2009, 9, 421.	1.1	11
324	Ethanol and xylitol production from glucose and xylose at high temperature by Kluyveromyces sp. IIPE453. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 1483-1489.	1.4	64

#	Article	IF	Citations
325	Serum vascular endothelial growth factor is related to systemic oxidative stress in patients with lung cancer. Lung Cancer, 2009, 65, 254.	0.9	0
326	Generating Concept Ontologies through Text Mining. , 2006, , .		8
327	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
328	Invariants of Generalized Fifth Order Non-Linear Partial Differential Equation. , 0, , .		0
329	Numerical solution of <scp>ABC</scp> space–time fractional distributed order reaction–diffusion equation. Numerical Methods for Partial Differential Equations, 0, , .	2.0	5
330	Conservation laws and series solutions of variable coefficient time fractional Kawahara equation. Waves in Random and Complex Media, 0, , 1-13.	1.6	1
331	Molecular detection of tick-borne pathogens harbored by ticks collected from local breed (Non-descript) of cattle in the chhattishgarh state of India. International Journal of Tropical Insect Science, 0, , 1.	0.4	0
332	Evaluation of kinetic and thermodynamic parameters of Argemone mexicana seed pyrolysis via thermogravimetric analyser. Biomass Conversion and Biorefinery, 0, , 1.	2.9	7
333	On analytic series solutions and conserved fluxes of the time fractional (2+1)-dimensional Burger's system via invariant approach. Waves in Random and Complex Media, 0, , 1-13.	1.6	1
334	Optimal system, dynamical behaviors and exact solution of a nonlinear transmission line model by applying the Lie symmetry method. Indian Journal of Physics, 0, , 1.	0.9	0