Qasem Al-Mdallal

List of Publications by Year
in descending order

166 papers	4,921 citations	81900 39 h-index	155660 55 g-index
167 all docs	167 docs citations	167 times ranked	2157 citing authors

#	Article	IF	Citations
1	Numerical solutions of fractional parabolic equations with generalized <scp>Mittag–Leffler</scp> kernels. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	4
2	Significance of magnetic field and activation energy on the features of stratified mixed radiative-convective couple-stress nanofluid flows with motile microorganisms. AEJ - Alexandria Engineering Journal, 2022, 61, 1425-1436.	6.4	39
3	On a new method for finding numerical solutions to integro-differential equations based on Legendre multi-wavelets collocation. AEJ - Alexandria Engineering Journal, 2022, 61, 3037-3049.	6.4	10
4	Effect of non-conjugate and conjugate condition on heat transfer from battery pack. AEJ - Alexandria Engineering Journal, 2022, 61, 3131-3145.	6.4	0
5	Buoyancy-driven convection of MWCNT – Casson nanofluid in a wavy enclosure with a circular barrier and parallel hot/cold fins. AEJ - Alexandria Engineering Journal, 2022, 61, 3249-3264.	6.4	25
6	Analysis of natural convection for a Casson-based multiwall carbon nanotube nanofluid in a partially heated wavy enclosure with a circular obstacle in the presence of thermal radiation. Journal of Advanced Research, 2022, 39, 167-185.	9.5	24
7	Modeling and analysis on the transmission of covid-19 Pandemic in Ethiopia. AEJ - Alexandria Engineering Journal, 2022, 61, 5323-5342.	6.4	30
8	Experimental and numerical assessment of the rotary bed reactor for fuel-processing and evaluation of produced oil usability as fuel substitute. Case Studies in Thermal Engineering, 2022, 29, 101710.	5.7	5
9	Exploring the magnetohydrodynamic stretched flow of Williamson Maxwell nanofluid through porous matrix over a permeated sheet with bioconvection and activation energy. Scientific Reports, 2022, 12, 278.	3.3	42
10	Numerical Study of the Flow of Two Radiative Nanofluids with Marangoni Convection Embedded in Porous Medium. Journal of Nanomaterials, 2022, 2022, 1-7.	2.7	4
11	A computational framework to solve the nonlinear dengue fever SIR system. Computer Methods in Biomechanics and Biomedical Engineering, 2022, 25, 1821-1834.	1.6	10
12	Numerical Investigation of Heat Generation and Magnetohydrodynamic Flow of Fluid Over a Shrinking Infinite Long Cylinder Through Porous Medium. Journal of Nanofluids, 2022, 11, 285-295.	2.7	10
13	A comparative remark on heat transfer in thermally stratified MHD Jeffrey fluid flow with thermal radiations subject to cylindrical/plane surfaces. Case Studies in Thermal Engineering, 2022, 32, 101913.	5.7	32
14	Entropy generation for MHD two phase blood flow through a curved permeable artery having variable viscosity with heat and mass transfer. International Communications in Heat and Mass Transfer, 2022, 133, 105954.	5.6	52
15	Computational study on the dynamics of fractional order differential equations with applications. Chaos, Solitons and Fractals, 2022, 157, 111955.	5.1	62
16	Second law analysis for MHD slip flow for Williamson fluid over a vertical plate with Cattaneo-Christov heat flux. Case Studies in Thermal Engineering, 2022, 33, 101931.	5.7	25
17	Free convection flow of hybrid ferrofluid past a heated spinning cone. Thermal Science and Engineering Progress, 2022, 32, 101335.	2.7	10
18	On infinite circulant-balanced complete multipartite graphs decompositions based on generalized algorithmic approaches. AEJ - Alexandria Engineering Journal, 2022, 61, 11267-11275.	6.4	8

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19	Coupled buoyancy and Marangoni convection in a hybrid nanofluid-filled cylindrical porous annulus with a circular thin baffle. European Physical Journal: Special Topics, 2022, 231, 2645-2660.	2.6	7
20	Dynamics of ternary-hybrid nanofluids due to dual stretching on wedge surfaces when volume of nanoparticles is small and large: forced convection of water at different temperatures. International Communications in Heat and Mass Transfer, 2022, 137, 106241.	5.6	56
21	Effect of thermal radiation on conjugate natural convection flow of a micropolar fluid along a vertical surface. Computers and Mathematics With Applications, 2021, 83, 74-83.	2.7	37
22	Exponentiated transformation of Gumbel Type-II distribution for modeling COVID-19 data. AEJ - Alexandria Engineering Journal, 2021, 60, 671-689.	6.4	48
23	Differential equations of even-order with p-Laplacian like operators: qualitative properties of the solutions. Advances in Difference Equations, 2021, 2021, .	3.5	18
24	Efficient Numerical Algorithm for the Solution of Eight Order Boundary Value Problems by Haar Wavelet Method. International Journal of Applied and Computational Mathematics, 2021, 7, 34.	1.6	6
25	On the analysis of number of deaths due to Covid â˜'19 outbreak data using a new class of distributions. Results in Physics, 2021, 21, 103747.	4.1	39
26	Stability analysis of fractional nabla difference COVID-19 model. Results in Physics, 2021, 22, 103888.	4.1	67
27	A sensitivity study on carbon nanotubes significance in Darcyâ€"Forchheimer flow towards a rotating disk by response surface methodology. Scientific Reports, 2021, 11, 8812.	3.3	59
28	Numerical study of low Reynolds hybrid discretized convergent-divergent (CD) channel rooted with obstructions in left/right vicinity of CD throat. Results in Physics, 2021, 24, 104141.	4.1	5
29	Non-linear radiation effect on dusty fluid flow near a rotating blunt-nosed body. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1775-1783.	2.5	7
30	Computational study on nanoparticle shape effects of Al_2O_3 oil nanofluid flow over a radially stretching rotating disk. Case Studies in Thermal Engineering, 2021, 25, 100943.		
31	On the iterative methods for solving fractional initial value problems: new perspective. Journal of Fractional Calculus and Nonlinear Systems, 2021, 2, 76-81.	1.5	22
32	Shifted Legendre Collocation Method for the Solution of Unsteady Viscous-Ohmic Dissipative Hybrid Ferrofluid Flow over a Cylinder. Nanomaterials, 2021, 11, 1512.	4.1	19
33	Estimation of unsteady hydromagnetic Williamson fluid flow in a radiative surface through numerical and artificial neural network modeling. Scientific Reports, 2021, 11, 14509.	3.3	74
34	Gyrotactic micro-organism flow of Maxwell nanofluid between two parallel plates. Scientific Reports, 2021, 11, 15142.	3.3	20
35	Statistical modeling for bioconvective tangent hyperbolic nanofluid towards stretching surface with zero mass flux condition. Scientific Reports, 2021, 11, 13869.	3.3	83
36	Cattaneo-Christov double diffusions theories with bio-convection in nanofluid flow to enhance the efficiency of nanoparticles diffusion. Case Studies in Thermal Engineering, 2021, 26, 101017.	5.7	25

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37	A new modified Kies Frèchet distribution: Applications of mortality rate of Covid-19. Results in Physics, 2021, 28, 104638.	4.1	41
38	Analysis of a Coupled System of Nonlinear Fractional Langevin Equations with Certain Nonlocal and Nonseparated Boundary Conditions. Journal of Mathematics, 2021, 2021, 1-15.	1.0	1
39	Ree-Eyring fluid flow of Cu-water nanofluid between infinite spinning disks with an effect of thermal radiation. Ain Shams Engineering Journal, 2021, 12, 2947-2956.	6.1	25
40	Heat transport investigation of magneto-hydrodynamics (SWCNT-MWCNT) hybrid nanofluid under the thermal radiation regime. Case Studies in Thermal Engineering, 2021, 27, 101244.	5.7	75
41	Heat transportation enrichment and elliptic cylindrical solution of time-dependent flow. Case Studies in Thermal Engineering, 2021, 27, 101248.	5.7	23
42	Entropy analysis for radiative inclined MHD slip flow with heat source in porous medium for two different fluids. Case Studies in Thermal Engineering, 2021, 28, 101491.	5.7	24
43	A fractional-order model of COVID-19 considering the fear effect of the media and social networks on the community. Chaos, Solitons and Fractals, 2021, 152, 111403.	5.1	23
44	Buoyancy driven second grade nano boundary layers over a catalytic surface with reaction rate, heat of reaction and activation energy at boundary. Case Studies in Thermal Engineering, 2021, 28, 101346.	5.7	9
45	Impact of boundary conditions of third kind on nanoliquid flow and Radiative heat transfer through asymmetrical channel. Case Studies in Thermal Engineering, 2021, 28, 101488.	5.7	10
46	The function of nanoparticle's diameter and Darcy-Forchheimer flow over a cylinder with effect of magnetic field and thermal radiation. Case Studies in Thermal Engineering, 2021, 28, 101392.	5.7	46
47	Buoyancy driven Flow of a Second-Grade Nanofluid flow Taking into Account the Arrhenius Activation Energy and Elastic Deformation: Models and Numerical Results. Fluid Dynamics and Materials Processing, 2021, 17, 319-332.	0.7	15
48	Exact solution for heat transport of Newtonian fluid with quadratic order thermal slip in a porous medium. Advances in the Theory of Nonlinear Analysis and Its Applications, 2021, 5, 39-48.	0.7	3
49	Comsolic solution of an elliptic cylindrical compressible fluid flow. Scientific Reports, 2021, 11, 20030.	3.3	15
50	Significance of suction/injection, gravity modulation, thermal radiation, and magnetohydrodynamic on dynamics of micropolar fluid subject to an inclined sheet via finite element approach. Case Studies in Thermal Engineering, 2021, 28, 101537.	5.7	41
51	On Semianalytical Study of Fractional-Order Kawahara Partial Differential Equation with the Homotopy Perturbation Method. Journal of Mathematics, 2021, 2021, 1-11.	1.0	1
52	Computational Study on Three-Dimensional Convective Casson Nanofluid Flow past a Stretching Sheet with Arrhenius Activation Energy and Exponential Heat Source Effects. Complexity, 2021, 2021, 1-16.	1.6	7
53	Significance of magnetic field and chemical reaction on the natural convective flow of hybrid nanofluid by a sphere with viscous dissipation: A statistical approach. Nonlinear Engineering, 2021, 10, 563-573.	2.7	8
54	Stagnation-Point Flow of the Williamson Nanofluid Containing Gyrotactic Micro-organisms. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2021, 91, 633-648.	1.2	10

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55	The Transmission Dynamics of Hepatitis B Virus via the Fractional-Order Epidemiological Model. Complexity, 2021, 2021, 1-18.	1.6	9
56	Heat transfer and second order slip effect on MHD flow of fractional Maxwell fluid in a porous medium. Journal of King Saud University - Science, 2020, 32, 450-458.	3.5	91
57	Effects of orientation of the centrally placed heated baffle in an alternative configured ventilation cavity. European Physical Journal Plus, 2020, 135, 1.	2.6	8
58	Marangoni radiative effects of hybrid-nanofluids flow past a permeable surface with inclined magnetic field. Case Studies in Thermal Engineering, 2020, 17, 100571.	5.7	46
59	A hybrid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2066" altimg="si3.svg"><mml:mi>Î»</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2071" altimg="si4.svg"><mml:mi>ν</mml:mi></mml:math> HOC approach for surface tension driven flows in level set framework. Computers and Mathematics With Applications, 2020, 79, 2359-2375.	2.7	0
60	Physical aspects of magnetized suspended nanoparticles in a rotatory frame: Numerical simulation. Ain Shams Engineering Journal, 2020, 11, 479-487.	6.1	16
61	Numerical simulation for solution of SEIR models by meshless and finite difference methods. Chaos, Solitons and Fractals, 2020, 141, 110340.	5.1	21
62	Hybrid mesh finite element analysis (HMFEA) of uniformly heated cylinder in a partially heated moon shaped enclosure. Case Studies in Thermal Engineering, 2020, 21, 100713.	5.7	14
63	Heat transfer analysis on buoyantly convective non-Newtonian stream in a hexagonal enclosure rooted with T-Shaped flipper: Hybrid meshed analysis. Case Studies in Thermal Engineering, 2020, 21, 100725.	5.7	46
64	Theoretical and numerical investigation of entropy for the variable thermophysical characteristics of couple stress material: Applications to optimization. AEJ - Alexandria Engineering Journal, 2020, 59, 4365-4375.	6.4	36
65	Thermal influence of homogeneously heated Y- shaped flipper on flowing stream in an unwavering rectangular domain. Case Studies in Thermal Engineering, 2020, 21, 100715.	5.7	6
66	Fractional order mathematical modeling of COVID-19 transmission. Chaos, Solitons and Fractals, 2020, 139, 110256.	5.1	129
67	Legendre multi-wavelets collocation method for numerical solution of linear and nonlinear integral equations. AEJ - Alexandria Engineering Journal, 2020, 59, 5099-5109.	6.4	19
68	An investigation on Arrhenius activation energy of second grade nanofluid flow with active and passive control of nanomaterials. Case Studies in Thermal Engineering, 2020, 22, 100774.	5.7	53
69	Natural convection in a partially heated square cavity with an inner square block. AIP Conference Proceedings, 2020, , .	0.4	2
70	A Haar wavelet collocation approach for solving one and twoâ€dimensional secondâ€order linear and nonlinear hyperbolic telegraph equations. Numerical Methods for Partial Differential Equations, 2020, 36, 1962-1981.	3.6	18
71	Numerical modeling of NPZ and SIR models with and without diffusion. Results in Physics, 2020, 19, 103512.	4.1	20
72	A novel algorithm for time-fractional foam drainage equation. AEJ - Alexandria Engineering Journal, 2020, 59, 1607-1612.	6.4	34

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73	Finite element examination of hydrodynamic forces in grooved channel having two partially heated circular cylinders. Case Studies in Thermal Engineering, 2020, 18, 100600.	5.7	22
74	Non-Newtonian ferrofluid flow over an unsteady contracting cylinder under the influence of aligned magnetic field. Case Studies in Thermal Engineering, 2020, 21, 100679.	5.7	41
75	Dynamics of thermally magnetized grooved flow field having uniformly heated circular cylinder: Finite element analysis. Case Studies in Thermal Engineering, 2020, 21, 100718.	5.7	17
76	Partial slip effects on the peristaltic motion of an upper-convected Maxwell fluid through an irregular channel. SN Applied Sciences, 2020, 2, 1.	2.9	9
77	Efficient sustainable algorithm for numerical solutions of systems of fractional order differential equations by Haar wavelet collocation method. AEJ - Alexandria Engineering Journal, 2020, 59, 2391-2400.	6.4	52
78	Analysis of some generalized ABC – Fractional logistic models. AEJ - Alexandria Engineering Journal, 2020, 59, 2141-2148.	6.4	49
79	On partially heated circular obstacle in a channel having heated rectangular ribs: Finite element outcomes. Case Studies in Thermal Engineering, 2020, 18, 100597.	5.7	12
80	Numerical study of heat generating γ AlO–HO nanofluid inside a square cavity with multiple obstacles of different shapes. Heliyon, 2020, 6, e05752.	3.2	38
81	Impact of heated triangular ribs on hydrodynamic forces in a rectangular domain with heated elliptic cylinder: Finite element analysis. International Communications in Heat and Mass Transfer, 2020, 112, 104501.	5.6	33
82	Cold flow around uniformly heated rectangular obstacle: Finite element simulation. AIP Conference Proceedings, 2020, , .	0.4	1
83	Natural convection flow of a fluid using Atangana and Baleanu fractional model. Advances in Difference Equations, 2020, 2020, .	3.5	11
84	Stability analysis of a dynamical model of tuberculosis with incomplete treatment. Advances in Difference Equations, 2020, 2020, .	3.5	39
85	Numerical Investigation of Open Cavities with Parallel Insulated Baffles. International Journal of Heat and Technology, 2020, 38, 611-621.	0.6	8
86	Existence theory and approximate solution to prey–predator coupled system involving nonsingular kernel type derivative. Advances in Difference Equations, 2020, 2020, .	3.5	8
87	Blasius and Sakiadis slip flow of H2O–C2H6O2 (50:50) based nanoliquid with different geometry of boehmite alumina nanoparticles. Case Studies in Thermal Engineering, 2019, 16, 100546.	5.7	25
88	Review of design optimization of fluid machinery: applying computational fluid dynamics and numerical optimization. Complex Adaptive Systems Modeling, 2019, 7, .	1.6	4
89	Flow of ferrofluids under second order slip effect. AIP Conference Proceedings, 2019, , .	0.4	4
90	SA-copper based Maxwell nanofluid flow with second order slip effect using fractional derivatives. AIP Conference Proceedings, 2019, , .	0.4	5

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91	Non-uniform heat source/sink effects on the three-dimensional flow of F_e /A_m. Case Studies in Thermal Engineering, 2019, 15, 100521.	5.7	33
92	On inclined heated square obstacle in a liquid stream carried by partially heated channel: Finite element analysis. Case Studies in Thermal Engineering, 2019, 15, 100532.	5.7	10
93	Application of a hybrid method for systems of fractional order partial differential equations arising in the model of the one-dimensional Keller-Segel equation. European Physical Journal Plus, 2019, 134, 1.	2.6	25
94	A fractional-order epidemic model with time-delay and nonlinear incidence rate. Chaos, Solitons and Fractals, 2019, 126, 97-105.	5.1	102
95	Symmetry analysis on thermally magnetized fluid flow regime with heat source/sink. Case Studies in Thermal Engineering, 2019, 14, 100452.	5.7	29
96	Riga â€" Plate flow of Î³ Al2O3-water/ethylene glycol with effective Prandtl number impacts. Heliyon, 2019, 5, e01651.	3.2	42
97	Finite element technique for the analysis of buoyantly convective multiply connected domain as a trapezium enclosure with heated circular obstacle. Journal of Molecular Liquids, 2019, 286, 110892.	4.9	45
98	On both magnetized and non-magnetized dual stratified medium via stream lines topologies: A generalized formulation. Scientific Reports, 2019, 9, 6306.	3.3	14
99	On heat transfer in the presence of nano-sized particles suspended in a magnetized rotatory flow field. Case Studies in Thermal Engineering, 2019, 14, 100457.	5.7	33
100	Simulation of natural convection of Fe3O4-water ferrofluid in a circular porous cavity in the presence of a magnetic field. European Physical Journal Plus, 2019, 134, 1.	2.6	20
101	Numerical study of MHD effective Prandtl number boundary layer flow of Î³ AlO nanofluids past a melting surface. Case Studies in Thermal Engineering, 2019, 13, 100413.	5.7	30
102	A numerical investigation of Newtonian fluid flow with buoyancy, thermal slip of order two and entropy generation. Case Studies in Thermal Engineering, 2019, 13, 100376.	5.7	37
103	Fractional logistic models in the frame of fractional operators generated by conformable derivatives. Chaos, Solitons and Fractals, 2019, 119, 94-101.	5.1	109
104	Nanoparticle transportation through a permeable duct with Joule heating influence. Microsystem Technologies, 2019, 25, 3571-3580.	2.0	10
105	Influence of adding nanoparticles on solidification in a heat storage system considering radiation effect. Journal of Molecular Liquids, 2019, 273, 589-605.	4.9	20
106	Numerical approach for nanofluid transportation due to electric force in a porous enclosure. Microsystem Technologies, 2019, 25, 2501-2514.	2.0	24
107	Thermal radiation and slip effects on MHD stagnation point flow of non-Newtonian nanofluid over a convective stretching surface. Neural Computing and Applications, 2019, 31, 207-217.	5.6	72
108	Numerical Study of Unsteady Flow of a Fluid Over Shrinking Long Cylinder in a Porous Medium Undermagnetic Force. Journal of Nanofluids, 2019, 8, 1609-1615.	2.7	17

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109	Free convective micropolar fluid flow and heat transfer over a shrinking sheet with heat source. Case Studies in Thermal Engineering, 2018, 11, 113-119.	5.7	58
110	MHD natural convection flow enclosure in a corrugated cavity filled with a porous medium. International Journal of Heat and Mass Transfer, 2018, 121, 1168-1178.	4.8	95
111	Heat generation/absorption and nonlinear radiation effects on stagnation point flow of nanofluid along a moving surface. Results in Physics, 2018, 8, 404-414.	4.1	64
112	Fractional differential equations for the generalized Mittag-Leffler function. Advances in Difference Equations, 2018, 2018, .	3.5	44
113	Theoretical and computational perspectives on the eigenvalues of fourth-order fractional Sturmâ€"Liouville problem. International Journal of Computer Mathematics, 2018, 95, 1548-1564.	1.8	17
114	Discrete Mittag-Leffler kernel type fractional difference initial value problems and Gronwallâ€™s inequality. Journal of Computational and Applied Mathematics, 2018, 339, 218-230.	2.0	75
115	Fractional-order Legendre-collocation method for solving fractional initial value problems. Applied Mathematics and Computation, 2018, 321, 74-84.	2.2	38
116	On fractional-Legendre spectral Galerkin method for fractional Sturmâ€"Liouville problems. Chaos, Solitons and Fractals, 2018, 116, 261-267.	5.1	37
117	Convergent Power Series of sechₜ(x) and Solutions to Nonlinear Differential Equations. International Journal of Differential Equations, 2018, 2018, 1-10.	0.8	10
118	A Numerical Algorithm for Solving Higher-Order Nonlinear BVPs with an Application on Fluid Flow over a Shrinking Permeable Infinite Long Cylinder. Complexity, 2018, 2018, 1-11.	1.6	19
119	Analytical Solutions of Fractional Walterâ€™s B Fluid with Applications. Complexity, 2018, 2018, 1-10.	1.6	53
120	A numerical study of forced convection from an isothermal cylinder performing rotational oscillations in a uniform stream. International Journal of Heat and Mass Transfer, 2018, 127, 357-374.	4.8	26
121	Magneto-Marangoni nano-boundary layer flow of water and ethylene glycol based γ Al2O3 nanofluids with non-linear thermal radiation effects. Case Studies in Thermal Engineering, 2018, 12, 340-348.	5.7	48
122	Non-Linear Thermal Radiative Marangoni Boundary Layer Flow of Gamma Al_2O_3 Nanofluids Past a Stretching Sheet. Journal of Nanofluids, 2018, 7, 944-950.	2.7	35
123	Numerical Simulations of a Delay Model for Immune System-Tumor Interaction. MaÇ§allatÌ Ç§ÄmiÊ¿atÌ Al-Sulá¹Än QÄbÅ«s Li-l-buá¸¥Å«á¹¯ Al-Ê¿ilmiyyatÌ Al-Ê¿ulÅ«m Wa-al-handasatÌ, 2018, 23, 19.	0.1	11
124	Aligned magnetic field effects on water based metallic nanoparticles over a stretching sheet with PST and thermal radiation effects. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 89, 33-42.	2.7	41
125	Heat transfer from a heated non-rotating cylinder performing circular motion in a uniform stream. International Journal of Heat and Mass Transfer, 2017, 112, 147-157.	4.8	19
126	Numerical study of streamwise and cross flow in the presence of heat and mass transfer. European Physical Journal Plus, 2017, 132, 1.	2.6	11

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127	MHD pulsatile flow of engine oil based carbon nanotubes between two concentric cylinders. Results in Physics, 2017, 7, 57-68.	4.1	60
128	Heat transfer enhancement in free convection flow of CNTs Maxwell nanofluids with four different types of molecular liquids. Scientific Reports, 2017, 7, 2445.	3.3	122
129	Mixed convection flow of thermally stratified MHD nanofluid over an exponentially stretching surface with viscous dissipation effect. Journal of the Taiwan Institute of Chemical Engineers, 2017, 71, 307-314.	5.3	90
130	Flow of water based alumina and copper nanoparticles along a moving surface with variable temperature. Journal of Molecular Liquids, 2017, 246, 354-362.	4.9	32
131	Locked-on vortex shedding modes from a rotationally oscillating circular cylinder. Ocean Engineering, 2017, 146, 324-338.	4.3	31
132	A numerical study of initial flow past an impulsively started rotationally oscillating circular cylinder using a transformation-free HOC scheme. Physics of Fluids, 2017, 29, .	4.0	24
133	Preliminary results on flow past a circular cylinder undergoing circular motion: Oscillation amplitude effect. AIP Conference Proceedings, 2017, , .	0.4	2
134	Closed form dual nature solutions of fluid flow and heat transfer over a stretching/shrinking sheet in a porous medium. Chinese Journal of Physics, 2017, 55, 1284-1293.	3.9	43
135	Analysis of Entropy Generation in Flow of Methanol-Based Nanofluid in a Sinusoidal Wavy Channel. Entropy, 2017, 19, 490.	2.2	34
136	Theoretical and Numerical Results for Fractional Difference and Differential Equations. Discrete Dynamics in Nature and Society, 2017, 2017, 1-2.	0.9	1
137	Arbitrary Order Fractional Difference Operators with Discrete Exponential Kernels and Applications. Discrete Dynamics in Nature and Society, 2017, 2017, 1-8.	0.9	40
138	On the Fractional Legendre Equation and Fractional Legendre Functions. Progress in Fractional Differentiation and Applications, 2017, 3, 93-102.	0.6	3
139	Unsteady Flow and Heat Transfer Characteristics of Fluid Flow Over a Shrinking Permeable Infinite Long Cylinder. Journal of Heat Transfer, 2016, 138, .	2.1	11
140	Water driven Cu nanoparticles between two concentric ducts with oscillatory pressure gradient. Journal of Molecular Liquids, 2016, 224, 322-332.	4.9	24
141	The Role of Mathmatics Courses in the Assessment Process of Engineering ABET-Outcomes. Education Research International, 2015, 2015, 1-13.	1.1	0
142	A Convergent Algorithm for Solving Higher-Order Nonlinear Fractional Boundary Value Problems. Fractional Calculus and Applied Analysis, 2015, 18, 1423-1440.	2.2	45
143	An Efficient Numerical Algorithm for Solving Fractional Higher-Order Nonlinear Integrodifferential Equations. Abstract and Applied Analysis, 2015, 2015, 1-9.	0.7	33
144	Numerical simulation of viscous flow past a circular cylinder subject to a circular motion. European Journal of Mechanics, B/Fluids, 2015, 49, 121-136.	2.5	17

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145	An efficient algorithm for solving higher-order fractional Sturm–Liouville eigenvalue problems. Journal of Computational Physics, 2014, 272, 550-558.	3.8	32
146	The Chebyshev collocation-path following method for solving sixth-order Sturm–Liouville problems. Applied Mathematics and Computation, 2014, 232, 391-398.	2.2	16
147	On the asymptotic stability of linear system of fractional-order difference equations. Fractional Calculus and Applied Analysis, 2013, 16, 613-629.	2.2	80
148	The extended homotopy perturbation method for the boundary layer flow due to a stretching sheet with partial slip. International Journal of Computer Mathematics, 2013, 90, 1990-2002.	1.8	7
149	Numerical simulation and stability analysis on MHD free convective heat and mass transfer unsteady flow through a porous medium in a rotating system with induced magnetic field. International Journal of Applied Electromagnetics and Mechanics, 2013, 41, 121-141.	0.6	11
150	A numerical study of initial flow past a circular cylinder with combined streamwise and transverse oscillations. Computers and Fluids, 2012, 63, 174-183.	2.5	15
151	Boundary value problems for nonlinear fractional integro-differential equations: theoretical and numerical results. Advances in Difference Equations, 2012, 2012, .	3.5	9
152	Extended homotopy perturbation method and the axisymmetric flow past a porous stretching sheet. International Journal for Numerical Methods in Fluids, 2012, 69, 909-925.	1.6	6
153	An efficient method for solving non-linear singularly perturbed two points boundary-value problems of fractional order. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2299-2308.	3.3	28
154	A Reliable Method for Boundary Layer Due to an Exponentially Stretching Continuous Surface. American Journal of Fluid Dynamics, 2012, 2, 5-13.	0.5	3
155	Monotone iterative sequences for nonlinear integro-differential equations of second order. Nonlinear Analysis: Real World Applications, 2011, 12, 3665-3673.	1.7	22
156	Analytical sequences of upper and lower solutions for a class of elliptic equations. Journal of Mathematical Analysis and Applications, 2011, 374, 402-411.	1.0	3
157	The extended homotopy perturbation method and boundary layer flow due to condensation and natural convection on a porous vertical plate. International Journal of Computer Mathematics, 2011, 88, 3535-3552.	1.8	5
158	A collocation-shooting method for solving fractional boundary value problems. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3814-3822.	3.3	95
159	On the numerical solution of fractional Sturm–Liouville problems. International Journal of Computer Mathematics, 2010, 87, 2837-2845.	1.8	59
160	An efficient method for solving fractional Sturm–Liouville problems. Chaos, Solitons and Fractals, 2009, 40, 183-189.	5.1	83
161	A new family of exact solutions to the unsteady Navier–Stokes equations using canonical transformation with complex coefficients. Applied Mathematics and Computation, 2008, 196, 303-308.	2.2	8
162	Nonlinear eigenvalue problems with symmetry. Chaos, Solitons and Fractals, 2008, 35, 931-941.	5.1	2

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163	Sine–Cosine method for finding the soliton solutions of the generalized fifth-order nonlinear equation. Chaos, Solitons and Fractals, 2007, 33, 1610-1617.	5.1	38
164	Forced streamwise oscillations of a circular cylinder: Locked-on modes and resulting fluid forces. Journal of Fluids and Structures, 2007, 23, 681-701.	3.4	58
165	Rotational oscillations of a cylinder in cross-flow. International Journal of Computational Fluid Dynamics, 2006, 20, 293-299.	1.2	9
166	Numerical simulation of the flow behind a circular cylinder subject to small-amplitude recti-linear oscillations. Advances in Engineering Software, 2004, 35, 619-631.	3.8	3