Rasool Shah

List of Publications by Citations

57 papers	830 citations	18 h-index	23 g-index
66 ext. papers	1,309 ext. citations	2.2 avg, IF	5.15 L-index

#	Paper	IF	Citations
57	Numerical Investigation of Fractional-Order Swift–Hohenberg Equations via a Novel Transform. *Symmetry*, **2021**, 13, 1263	2.7	44
56	Application of Laplace-Adomian Decomposition Method for the Analytical Solution of Third-Order Dispersive Fractional Partial Differential Equations. *Entropy*, **2019**, 21,	2.8	35
55	Laplace Adomian Decomposition Method for Multi Dimensional Time Fractional Model of Navier-Stokes Equation. *Symmetry*, **2019**, 11, 149	2.7	29
54	Analytical Investigation of Noyes–Field Model for Time-Fractional Belousov–Zhabotinsky Reaction. *Complexity*, **2021**, 2021, 1-21	1.6	29
53	Analytical Solutions of Fractional-Order Heat and Wave Equations by the Natural Transform Decomposition Method. *Entropy*, **2019**, 21,	2.8	28
52	A New Analysis of Fractional-Order Equal-Width Equations via Novel Techniques. *Symmetry*, **2021**, 13, 886	2.7	27
51	The Comparative Study for Solving Fractional-Order Fornberg–Whitham Equation via Laplace Transform. *Symmetry*, **2021**, 13, 784	2.7	25
50	Analytical Solutions of Fractional-Order Diffusion Equations by Natural Transform Decomposition Method. *Entropy*, **2019**, 21,	2.8	24
49	Fractional Whitham–Broer–Kaup Equations within Modified Analytical Approaches. *Axioms*, **2019**, 8, 125	1.6	23
48	An Analytical Technique, Based on Natural Transform to Solve Fractional-Order Parabolic Equations. *Entropy*, **2021**, 23,	2.8	22
47	Analysis of the Time Fractional-Order Coupled Burgers Equations with Non-Singular Kernel Operators. *Mathematics*, **2021**, 9, 2326	2.3	22
46	Analytical Solution of Fractional-Order Hyperbolic Telegraph Equation, Using Natural Transform Decomposition Method. *Electronics (Switzerland)*, **2019**, 8, 1015	2.6	21
45	A semi-analytical method to solve family of Kuramoto–Sivashinsky equations. *Journal of Taibah University for Science*, **2020**, 14, 402-411	3	20
44	An Efficient Analytical Technique, for The Solution of Fractional-Order Telegraph Equations. *Mathematics*, **2019**, 7, 426	2.3	19
43	The analytical investigation of time-fractional multi-dimensional Navier–Stokes equation. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 2941-2956	6.1	19
42	Analytical investigation of fractional-order Newell-Whitehead-Segel equations via a novel transform. *AIMS Mathematics*, **2022**, 7, 6936-6958	2.2	19
41	Laplace decomposition for solving nonlinear system of fractional order partial differential equations. *Advances in Difference Equations*, **2020**, 2020,	3.6	19

40	A Novel Analytical View of Time-Fractional Korteweg-De Vries Equations via a New Integral Transform. *Symmetry*, **2021**, 13, 1254	2.7	19
39	Natural Transform Decomposition Method for Solving Fractional-Order Partial Differential Equations with Proportional Delay. *Mathematics*, **2019**, 7, 532	2.3	17
38	A novel method for the analytical solution of fractional Zakharov–Kuznetsov equations. *Advances in Difference Equations*, **2019**, 2019,	3.6	16
37	On Solutions of Fractional-Order Gas Dynamics Equation by Effective Techniques. *Journal of Function Spaces*, **2022**, 2022, 1-14	0.8	16
36	Analytical Investigation of Fractional-Order Cahn–Hilliard and Gardner Equations Using Two Novel Techniques. *Mathematics*, **2022**, 10, 1643	2.3	16
35	An Analytical Technique to Solve the System of Nonlinear Fractional Partial Differential Equations. *Mathematics*, **2019**, 7, 505	2.3	15
34	A New Analytical Technique to Solve System of Fractional-Order Partial Differential Equations. *IEEE Access*, **2019**, 7, 150037-150050	3.5	15
33	An Efficient Analytical Approach for the Solution of Certain Fractional-Order Dynamical Systems. *Energies*, **2020**, 13, 2725	3.1	14
32	Numerical Investigation of the Time-Fractional Whitham–Broer–Kaup Equation Involving without Singular Kernel Operators. *Complexity*, **2021**, 2021, 1-21	1.6	14
31	Analytical Investigation of Fractional-Order Korteweg–De-Vries-Type Equations under Atangana–Baleanu–Caputo Operator: Modeling Nonlinear Waves in a Plasma and Fluid. *Symmetry*, **2022**, 14, 739	2.7	14
30	Some analytical and numerical investigation of a family of fractional-order Helmholtz equations in two space dimensions. *Mathematical Methods in the Applied Sciences*, **2020**, 43, 199-212	2.3	13
29	Analytical Solutions of (2+Time Fractional Order) Dimensional Physical Models, Using Modified Decomposition Method. *Applied Sciences (Switzerland)*, **2020**, 10, 122	2.6	13
28	A Comparative Analysis of Fractional-Order Kaup–Kupershmidt Equation within Different Operators. *Symmetry*, **2022**, 14, 986	2.7	13
27	Controllability for Fuzzy Fractional Evolution Equations in Credibility Space. *Fractal and Fractional*, **2021**, 5, 112	3	12
26	The Numerical Investigation of a Fractional-Order Multi-Dimensional Model of Navier–Stokes Equation via Novel Techniques. *Symmetry*, **2022**, 14, 1102	2.7	12
25	Modified Modelling for Heat Like Equations within Caputo Operator. *Energies*, **2020**, 13, 2002	3.1	11
24	The Analytical Analysis of Time-Fractional Fornberg–Whitham Equations. *Mathematics*, **2020**, 8, 987	2.3	11
23	Fractional View Analysis of Third Order Kortewege-De Vries Equations, Using a New Analytical Technique. *Frontiers in Physics*, **2020**, 7,	3.9	11

22	A Comparative Analysis of the Fractional-Order Coupled Korteweg De Vries Equations with the Mittag Leffler Law. *Journal of Mathematics*, **2022**, 2022, 1-30	1.2	11
21	On the solution of fractional modified Boussinesq and approximate long wave equations with non-singular kernel operators. *AIMS Mathematics*, **2022**, 7, 12483-12513	2.2	11
20	Fractional View Analysis of Acoustic Wave Equations, Using Fractional-Order Differential Equations. *Applied Sciences (Switzerland)*, **2020**, 10, 610	2.6	10
19	The Chebyshev Wavelet Method (CWM) for the Numerical Solution of Fractional HIV Infection of CD4(^+)T Cells Model. *International Journal of Applied and Computational Mathematics*, **2020**, 6, 1	1.3	9
18	Numerical Analysis of the Fractional-Order Nonlinear System of Volterra Integro-Differential Equations. *Journal of Function Spaces*, **2021**, 2021, 1-10	0.8	9
17	Haar Wavelet Operational Matrix Method for Fractional Relaxation-Oscillation Equations Containing Caputo Fractional Derivative. *Journal of Function Spaces*, **2021**, 2021, 1-14	0.8	8
16	The analytical analysis of nonlinear fractional-order dynamical models. *AIMS Mathematics*, **2021**, 6, 6201-6219	2.2	7
15	Cauchy problem for non-autonomous fractional evolution equations with nonlocal conditions of order $ (1, 2) $. *AIMS Mathematics*, **2022**, 7, 8891-8913	2.2	5
14	Analysis of the Fuzzy Fractional-Order Solitary Wave Solutions for the KdV Equation in the Sense of Caputo-Fabrizio Derivative. *Journal of Mathematics*, **2022**, 2022, 1-12	1.2	5
13	The Analysis of the Fractional-Order Navier-Stokes Equations by a Novel Approach. *Journal of Function Spaces*, **2022**, 2022, 1-18	0.8	5
12	An Analytical Investigation of Fractional-Order Biological Model Using an Innovative Technique. *Complexity*, **2020**, 2020, 1-13	1.6	4
11	Numerical Analysis of Fractional-Order Parabolic Equations via Elzaki Transform. *Journal of Function Spaces*, **2021**, 2021, 1-10	0.8	4
10	The Numerical Investigation of Fractional-Order Zakharov Kuznetsov Equations. *Complexity*, **2021**, 2021, 1-13	1.6	3
9	Exact analysis of electro-osmotic flow of Walters B fluid with non-singular kernel **2021**, 95, 1		3
8	A Novel Analytical Approach for the Solution of Fractional-Order Diffusion-Wave Equations. *Fractal and Fractional*, **2021**, 5, 206	3	2
7	A Modified Techniques of Fractional-Order Cauchy-Reaction Diffusion Equation via Shehu Transform. *Journal of Function Spaces*, **2021**, 2021, 1-15	0.8	2
6	Numerical Investigation of Fractional-Order Differential Equations via Haar-Wavelet Method. *Journal of Function Spaces*, **2021**, 2021, 1-14	0.8	2
5	The Analysis of Fractional-Order Navier-Stokes Model Arising in the Unsteady Flow of a Viscous Fluid via Shehu Transform. *Journal of Function Spaces*, **2021**, 2021, 1-15	0.8	2

4	Analytical Analysis of Fractional-Order Physical Models via a Caputo-Fabrizio Operator. *Journal of Function Spaces*, **2021**, 2021, 1-9	0.8	2
3	Exact solutions of the Laplace fractional boundary value problems via natural decomposition method. *Open Physics*, **2020**, 18, 1178-1187	1.3	1
2	On the Fractional View Analysis of Keller-Segel Equations with Sensitivity Functions. *Complexity*, **2020**, 2020, 1-15	1.6	1
1	Mathematical Simulation of Heat Transfer in Thermally Magnetised Oldroyd-B Fluid in Sakiadis Rheology with a Heat Reservoir. *Mathematics*, **2022**, 10, 1775	2.3	1