Shatha Hasan

List of Publications by Year
in descending order

14 papers	393 citations	933447 10 h-index	1199594 12 g-index
14 all docs	14 docs citations	14 times ranked	190 citing authors

#	Article	IF	Citations
1	Atangana-Baleanu fractional framework of reproducing kernel technique in solving fractional population dynamics system. Chaos, Solitons and Fractals, 2020, 133, 109624.	5.1	76
2	Numerical approach in the Hilbert space to solve a fuzzy Atangana-Baleanu fractional hybrid system. Chaos, Solitons and Fractals, 2021, 143, 110506.	5.1	59
3	Construction of fractional power series solutions to fractional stiff system using residual functions algorithm. Advances in Difference Equations, 2019, 2019, .	3.5	48
4	Two computational approaches for solving a fractional obstacle system in Hilbert space. Advances in Difference Equations, 2019, 2019, .	3.5	44
5	Toward computational algorithm for time-fractional Fokker–Planck models. Advances in Mechanical Engineering, 2019, 11, 168781401988103.	1.6	31
6	On numerical approximation of Atangana-Baleanu-Caputo fractional integro-differential equations under uncertainty in Hilbert Space. Mathematical Modelling of Natural Phenomena, 2021, 16, 41.	2.4	31
7	Computational algorithm for solving drug pharmacokinetic model under uncertainty with nonsingular kernel type Caputo-Fabrizio fractional derivative. AEJ - Alexandria Engineering Journal, 2021, 60, 4347-4362.	6.4	29
8	Solution of Fractional SIR Epidemic Model Using Residual Power Series Method. Applied Mathematics and Information Sciences, 2019, 13, 153-161.	0.5	28
9	Modified analytical approach for generalized quadratic and cubic logistic models with Caputo-Fabrizio fractional derivative. AEJ - Alexandria Engineering Journal, 2020, 59, 5111-5122.	6.4	20
10	Multi-step reproducing kernel algorithm for solving Caputo–Fabrizio fractional stiff models arising in electric circuits. Soft Computing, 2022, 26, 3713-3727.	3.6	16
11	Second Order Fuzzy Fractional Differential Equations Under Caputo's H-Differentiability. Applied Mathematics and Information Sciences, 2017, 11, 1597-1608.	0.5	9
12	Residual Power Series Approach for Solving Linear Fractional Swift-Hohenberg Problems. Lecture Notes in Networks and Systems, 2020, , 33-43.	0.7	2
13	Application of Power Series Method for Solving Obstacle Problem of Fractional Order. , 2019, , .		0
14	Solutions of Fractional Verhulst Model by Modified Analytical and Numerical Approaches. Forum for Interdisciplinary Mathematics, 2020, , 233-260.	1.6	0