B Parsa Moghaddam

List of Publications by Year
in descending order

33	1,050	331538	454834
papers	citations	21 h-index	30 g-index

33	33	33	567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal variable-order fractional PID controllers for dynamical systems. Journal of Computational and Applied Mathematics, 2018, 339, 40-48.	1.1	120
2	A stable three-level explicit spline finite difference scheme for a class of nonlinear time variable order fractional partial differential equations. Computers and Mathematics With Applications, 2017, 73, 1262-1269.	1.4	68
3	Extended Algorithms for Approximating Variable Order Fractional Derivatives with Applications. Journal of Scientific Computing, 2017, 71, 1351-1374.	1.1	67
4	An efficient cubic spline approximation for variable-order fractional differential equations with time delay. Nonlinear Dynamics, 2017, 87, 815-826.	2.7	66
5	A numerical method based on finite difference for solving fractional delay differential equations. Journal of Taibah University for Science, 2013, 7, 120-127.	1.1	54
6	A computational approach for the solution of a class of variable-order fractional integro-differential equations with weakly singular kernels. Fractional Calculus and Applied Analysis, 2017, 20, 1023-1042.	1.2	54
7	Numerical solution of variable-order fractional integro-partial differential equations via Sinc collocation method based on single and double exponential transformations. Communications in Nonlinear Science and Numerical Simulation, 2020, 82, 104985.	1.7	54
8	An Extended Predictorâ€“Corrector Algorithm for Variable-Order Fractional Delay Differential Equations. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	0.7	50
9	An integro quadratic spline approach for a class of variable-order fractional initial value problems. Chaos, Solitons and Fractals, 2017, 102, 354-360.	2.5	43
10	Numerical approach for a class of distributed order time fractional partial differential equations. Applied Numerical Mathematics, 2019, 136, 152-162.	1.2	39
11	A numerical approach for solving a class of variable-order fractional functional integral equations. Computational and Applied Mathematics, 2018, 37, 4821-4834.	1.3	37
12	A computationally efficient method for tempered fractional differential equations with application. Computational and Applied Mathematics, 2018, 37, 3657-3671.	1.3	35
13	Computational scheme for solving nonlinear fractional stochastic differential equations with delay. Stochastic Analysis and Applications, 2019, 37, 893-908.	0.9	34
14	A novel matrix approach to fractional finite difference for solving models based on nonlinear fractional delay differential equations. Ain Shams Engineering Journal, 2014, 5, 585-594.	3.5	33
15	Modified finite difference method for solving fractional delay differential equations. Boletim Da Sociedade Paranaense De Matematica, 2017, 35, 49-58.	0.4	31
16	A Robust Algorithm for Nonlinear Variable-Order Fractional Control Systems with Delay. International Journal of Nonlinear Sciences and Numerical Simulation, 2018, 19, 231-238.	0.4	30
17	SM-Algorithms for Approximating the Variable-Order Fractional Derivative of High Order. Fundamenta Informaticae, 2017, 151, 293-311.	0.3	29
18	A computational approach for the non-smooth solution of non-linear weakly singular Volterra integral equation with proportional delay. Numerical Algorithms, 2020, 83, 987-1006.	1.1	25

#	Article	IF	Citations
19	Numerical solution of mixed-type fractional functional differential equations using modified Lucas polynomials. Computational and Applied Mathematics, 2019, 38, 1.	1.0	24
20	Time analysis of forced variable-order fractional Van der Pol oscillator. European Physical Journal: Special Topics, 2017, 226, 3803-3810.	1.2	23
21	Numerical simulation of fractional-order dynamical systems in noisy environments. Computational and Applied Mathematics, 2018, 37, 6433-6447.	1.3	23
22	Sufficient conditions for existence and uniqueness of fractional stochastic delay differential equations. Stochastics, 2020, 92, 379-396.	0.6	23
23	Application of variable-order fractional calculus in solid mechanics. , 2019, , 207-224.		22
24	An integro quadratic spline-based scheme for solving nonlinear fractional stochastic differential equations with constant time delay. Communications in Nonlinear Science and Numerical Simulation, 2021, 92, 105475.	1.7	20
25	Computational technique for simulating variable-order fractional Heston model with application in US stock market. Mathematical Sciences, 2018, 12, 277-283.	1.0	16
26	Numerical simulation of the Hurst index of solutions of fractional stochastic dynamical systems driven by fractional Brownian motion. Journal of Computational and Applied Mathematics, 2021, 386, 113210.	1.1	12
27	A numerical technique for variable-order fractional functional nonlinear dynamic systems. International Journal of Dynamics and Control, 2019, 7, 1350-1357.	1.5	6
28	Highly Accurate Scheme for the Cauchy Problem of the Generalized Burgers-Huxley Equation. Acta Polytechnica Hungarica, 2016, 13, .	2.5	4
29	Nystrom method for solution of fredholm integral equations of the second kind under interval data. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2807-2816.	0.8	3
30	A numerical algorithm for solving the Cauchy singular integral equation based on Hermite polynomials. , 2020, 49, 974-983.	0.3	3
31	Computational technique for a class of nonlinear distributed-order fractional boundary value problems with singular coefficients. Computational and Applied Mathematics, 2021, 40, 1.	1.0	2
32	A class of computational approaches for simulating fractional functional differential equations via Dickson polynomials. Chaos, Solitons and Fractals, 2021, 152, 111407.	2.5	0
33	A Linear B-Spline Approximation for a Class of Nonlinear Time and Space Fractional Partial Differential Equations. Advances in Dynamics, Patterns, Cognition, 2020, , 67-85.	0.2	0