Marjan Uddin

List of Publications by Year
in descending order

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35 papers	531 citations	759233 12 h-index	642732 23 g-index
35 all docs	35 docs citations	35 times ranked	362 citing authors

#	Article	IF	Citations
1	RBFs approximation method for time fractional partial differential equations. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 4208-4214.	3.3	89
2	A meshfree interpolation method for the numerical solution of the coupled nonlinear partial differential equations. Engineering Analysis With Boundary Elements, 2009, 33, 399-409.	3.7	59
3	On the selection of a good value of shape parameter in solving time-dependent partial differential equations using RBF approximation method. Applied Mathematical Modelling, 2014, 38, 135-144.	4.2	58
4	A mesh-free numerical method for solution of the family of Kuramotoâ€“Sivashinsky equations. Applied Mathematics and Computation, 2009, 212, 458-469.	2.2	52
5	On the numerical solution of nonlinear Burgersâ€™-type equations using meshless method of lines. Applied Mathematics and Computation, 2012, 218, 6280-6290.	2.2	31
6	A mesh-free method for the numerical solution of the KdVâ€“Burgers equation. Applied Mathematical Modelling, 2009, 33, 3442-3449.	4.2	29
7	Numerical solution of complex modified Kortewegâ€“de Vries equation by mesh-free collocation method. Computers and Mathematics With Applications, 2009, 58, 566-578.	2.7	26
8	RBF-PS scheme for solving the equal width equation. Applied Mathematics and Computation, 2013, 222, 619-631.	2.2	26
9	Numerical solution of Kleinâ€“Gordon and sine-Gordon equations by meshless method of lines. Engineering Analysis With Boundary Elements, 2013, 37, 1351-1366.	3.7	23
10	A localized transform-based meshless method for solving time fractional wave-diffusion equation. Engineering Analysis With Boundary Elements, 2018, 92, 108-113.	3.7	20
11	RBFs approximation method for Kawahara equation. Engineering Analysis With Boundary Elements, 2011, 35, 575-580.	3.7	17
12	On the approximation of time-fractional telegraph equations using localized kernel-based method. Advances in Difference Equations, 2018, 2018, .	3.5	12
13	The Spaceâ€“Time Kernel-Based Numerical Method for Burgersâ€™ Equations. Mathematics, 2018, 6, 212.	2.2	12
14	RBF-PS method and Fourier Pseudospectral method for solving stiff nonlinear partial differential equations. Mathematical Sciences Letters, 2013, 2, 55-61.	0.6	9
15	Approximation of time fractional Black-Scholes equation via radial kernels and transformations. Fractional Differential Calculus, 2019, , 75-90.	0.5	9
16	On the numerical solution of Bagley-Torvik equation via the Laplace transform. Tbilisi Mathematical Journal, 2017, 10, .	0.3	8
17	RBFs Meshless Method of Lines for the Numerical Solution of Time-Dependent Nonlinear Coupled Partial Differential Equations. Applied Mathematics, 2011, 02, 414-423.	0.4	7
18	On the Laplace-transformed-based local meshless method for fractional-order diffusion equation. International Journal for Computational Methods in Engineering Science and Mechanics, 2018, 19, 221-225.	2.1	7

#	Article	IF	Citations
19	Soliton Kernels for Solving PDEs. International Journal of Computational Methods, 2016, 13, 1640009.	1.3	6
20	On the approximation of Volterra integral equations with highly oscillatory Bessel kernels via Laplace transform and quadrature. AEJ - Alexandria Engineering Journal, 2019, 58, 413-417.	6.4	5
21	Numerical Approximation of Blast Loads on Confined Dry-Stacked Masonry Wall. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	5
22	Numerical Solution of Fractional Order Anomalous Subdiffusion Problems Using Radial Kernels and Transform. Journal of Mathematics, 2021, 2021, 1-9.	1.0	4
23	RBF-FD Method for Some Dispersive Wave Equations and Their Eventual Periodicity. CMES - Computer Modeling in Engineering and Sciences, 2020, 123, 797-819.	1.1	3
24	On the Approximation of a Nonlinear Biological Population Model Using Localized Radial Basis Function Method. Mathematical and Computational Applications, 2019, 24, 54.	1.3	2
25	A numerical method for solving variable-order solute transport models. Computational and Applied Mathematics, 2020, 39, 1.	2.2	2
26	RBF Based Localized Method for Solving Nonlinear Partial Integro-Differential Equations. CMES - Computer Modeling in Engineering and Sciences, 2020, 123, 957-972.	1.1	2
27	Space-time kernel based numerical method for generalized Black-Scholes equation. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 2905-2915.	1.1	2
28	Numerical Solution of Heat Equation in Polar Cylindrical Coordinates by the Meshless Method of Lines. Journal of Mathematics, 2021, 2021, 1-11.	1.0	2
29	A local meshless numerical scheme for computing multi-dimensional integrals of functions with rapid irregular oscillations. Miskolc Mathematical Notes, 2015, 16, 1253-1264.	0.6	1
30	RBF-PS method for approximation and eventual periodicity of fractional and integer type KdV equations. Partial Differential Equations in Applied Mathematics, 2022, , 100288.	2.4	1
31	On the Solution of Fractional Order KdV Equation and Its Periodicity on Bounded Domain Using Radial Basis Functions. Mathematical Problems in Engineering, 2022, 2022, 1-10.	1.1	1
32	On the eventual periodicity of fractional order dispersive wave equations using RBFS and transform. EUREKA, Physics and Engineering, 2022, , 133-148.	0.8	1
33	Compactly supported kernels method of approximate particular solutions for solving elliptic problems. Journal of Physics: Conference Series, 2015, 633, 012050.	0.4	0
34	Meshless method of approximate particular solution for an initial and boundary value problem of the Kortewegâ€“de Vries type equation and eventual periodicity. Partial Differential Equations in Applied Mathematics, 2021, 4, 100088.	2.4	0
35	On the local transformed based method for partial integro-differential equations of fractional order. Miskolc Mathematical Notes, 2020, 21, 435.	0.6	0