

# Hadi Roohani Ghehsareh

## List of Publications by Year in descending order

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34  
papers

475  
citations

759055

12  
h-index

713332

21  
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34  
all docs

34  
docs citations

34  
times ranked

215  
citing authors

#	ARTICLE	IF	CITATIONS
1	A meshfree method for the solution of two-dimensional cubic nonlinear Schrödinger equation. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 885-898.	2.0	74
2	Numerical analysis of a mathematical model for capillary formation in tumor angiogenesis using a meshfree method based on the radial basis function. <i>Engineering Analysis With Boundary Elements</i> , 2012, 36, 1811-1818.	2.0	49
3	A comparison study of meshfree techniques for solving the two-dimensional linear hyperbolic telegraph equation. <i>Engineering Analysis With Boundary Elements</i> , 2014, 47, 10-20.	2.0	42
4	Comparison of meshless local weak and strong forms based on particular solutions for a non-classical 2-D diffusion model. <i>Engineering Analysis With Boundary Elements</i> , 2014, 39, 121-128.	2.0	42
5	A meshfree method based on the radial basis functions for solution of two-dimensional fractional evolution equation. <i>Engineering Analysis With Boundary Elements</i> , 2015, 61, 52-60.	2.0	32
6	A local weak form meshless method to simulate a variable order time-fractional mobile-immobile transport model. <i>Engineering Analysis With Boundary Elements</i> , 2018, 90, 63-75.	2.0	30
7	MHD Falkner-Skan flow of Maxwell fluid by rational Chebyshev collocation method. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2013, 34, 921-930.	1.9	25
8	The use of local radial point interpolation method for solving two-dimensional linear fractional cable equation. <i>Neural Computing and Applications</i> , 2018, 29, 745-754.	3.2	19
9	A matrix formulation to the wave equation with non-local boundary condition. <i>International Journal of Computer Mathematics</i> , 2011, 88, 1681-1696.	1.0	17
10	Solutions of the magnetohydrodynamic flow over a nonlinear stretching sheet and nano boundary layers over stretching surfaces. <i>International Journal for Numerical Methods in Fluids</i> , 2012, 70, 1324-1340.	0.9	15
11	A meshless method for the investigation of electromagnetic scattering from arbitrary shaped anisotropic cylindrical objects. <i>Journal of Electromagnetic Waves and Applications</i> , 2017, 31, 477-494.	1.0	12
12	The extended method of approximate particular solutions to simulate two-dimensional electromagnetic scattering from arbitrary shaped anisotropic objects. <i>Engineering Analysis With Boundary Elements</i> , 2017, 82, 91-97.	2.0	12
13	On the fractional Jaulent-Miodek equation associated with energy-dependent Schrödinger potential: Lie symmetry reductions, explicit exact solutions and conservation laws. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	12
14	Convergence of the variational iteration method for the telegraph equation with integral conditions. <i>Numerical Methods for Partial Differential Equations</i> , 2011, 27, 1442-1455.	2.0	11
15	Application of meshless local Petrov-Galerkin technique to simulate two-dimensional time-fractional Tricomi-type problem. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	9
16	Numerical simulation of a modified anomalous diffusion process with nonlinear source term by a local weak form meshless method. <i>Engineering Analysis With Boundary Elements</i> , 2019, 98, 64-76.	2.0	9
17	A super accurate shifted Tau method for numerical computation of the Sobolev-type differential equation with nonlocal boundary conditions. <i>Applied Mathematics and Computation</i> , 2014, 236, 683-692.	1.4	8
18	An efficient meshless computational technique to simulate nonlinear anomalous reaction-diffusion process in two-dimensional space. <i>Nonlinear Dynamics</i> , 2019, 96, 1191-1211.	2.7	7

#	ARTICLE	IF	CITATIONS
19	Numerical Investigation of Electromagnetic Scattering Problems Based on the Compactly Supported Radial Basis Functions. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2016, 71, 677-690.	0.7	6
20	A New Semi-Analytical Solution of the Telegraph Equation with Integral Condition. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2011, 66, 760-768.	0.7	5
21	Analytical Solutions of the Slip Magnetohydrodynamic Viscous Flow over a Stretching Sheet by Using the Laplace-Adomian Decomposition Method. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2012, 67, 248-254.	0.7	5
22	A reproducing kernel Hilbert space pseudospectral method for numerical investigation of a two-dimensional capillary formation model in tumor angiogenesis problem. <i>Neural Computing and Applications</i> , 2019, 31, 2233-2241.	3.2	5
23	An adaptive sparse kernel technique in greedy algorithm framework to simulate an anomalous solute transport model. <i>Engineering Analysis With Boundary Elements</i> , 2020, 121, 243-254.	2.0	5
24	The method of approximate particular solutions to simulate an anomalous mobile-immobile transport process. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 3637-3649.	1.2	4
25	On the Analytic Solution for a Steady Magnetohydrodynamic Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2013, 68, 412-420.	0.7	3
26	An efficient method to obtain semi-analytical solutions of the nano boundary layers over stretching surfaces. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013, 23, 1179-1191.	1.6	3
27	Numerical simulation of electromagnetic wave scattering from perfectly conducting cylinders using the local radial point interpolation technique. <i>Journal of Electromagnetic Waves and Applications</i> , 2019, 33, 335-349.	1.0	3
28	A meshless computational approach for solving two-dimensional inverse time-fractional diffusion problem with non-local boundary condition. <i>Inverse Problems in Science and Engineering</i> , 2020, 28, 1773-1795.	1.2	3
29	Numerical solutions of a mathematical model of blood flow in the deforming porous channel using radial basis function collocation method. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 709-720.	0.8	2
30	An approximate solution for the MHD nano boundary-layer flows over stretching surfaces in a porous medium by rational Legendre collocation method. <i>AEJ - Alexandria Engineering Journal</i> , 2017, 56, 687-694.	3.4	2
31	Model of Casson fluid with Cattaneo-Chirstov heat flux and Hall effect. <i>Indian Journal of Physics</i> , 2021, 95, 1469-1477.	0.9	2
32	New general solutions for the general elliptic and auxiliary equations and application to the coupled KdV equation. <i>International Journal of Computer Mathematics</i> , 2010, 87, 2760-2768.	1.0	1
33	Numerical simulation of a generalized anomalous electrodiffusion process in nerve cells by a localized meshless approach in Pseudospectral mode. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020, 33, e2756.	1.2	1
34	A Comparative Study Between two Explicit and Minimal Strategies for the Case of Magnetohydrodynamical Falkner-Skan Flow over a Permeable Wall. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014, 69, 263-272.	0.7	0