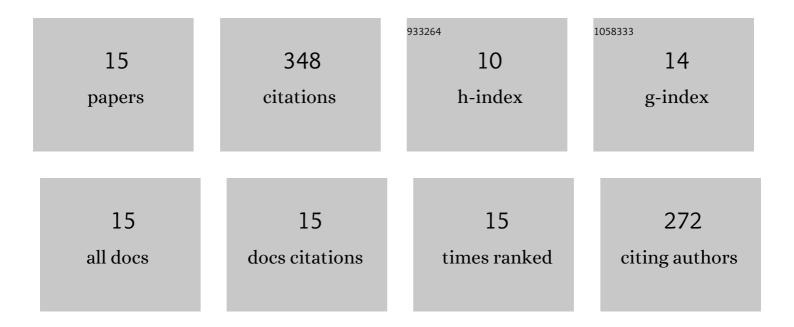
Vahid Mohammadi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A numerical scheme based on radial basis function finite difference (RBF-FD) technique for solving the high-dimensional nonlinear Schrödinger equations using an explicit time discretization: Runge–Kutta method. Computer Physics Communications, 2017, 217, 23-34.	3.0	68
2	The method of variably scaled radial kernels for solving two-dimensional magnetohydrodynamic (MHD) equations using two discretizations: The Crank–Nicolson scheme and the method of lines (MOL). Computers and Mathematics With Applications, 2015, 70, 2292-2315.	1.4	57
3	Two numerical meshless techniques based on radial basis functions (RBFs) and the method of generalized moving least squares (GMLS) for simulation of coupled Klein–Gordon–Schrödinger (KGS) equations. Computers and Mathematics With Applications, 2016, 71, 892-921.	1.4	43
4	Simulation of the phase field Cahn–Hilliard and tumor growth models via a numerical scheme: Element-free Galerkin method. Computer Methods in Applied Mechanics and Engineering, 2019, 345, 919-950.	3.4	43
5	A Nonlinear Shear Deformable Nanoplate Model Including Surface Effects for Large Amplitude Vibrations of Rectangular Nanoplates with Various Boundary Conditions. International Journal of Applied Mechanics, 2015, 07, 1550076.	1.3	25
6	Numerical Simulation and Error Estimation of the Time-Dependent Allen–Cahn Equation on Surfaces with Radial Basis Functions. Journal of Scientific Computing, 2019, 79, 493-516.	1.1	24
7	Two-dimensional simulation of the damped Kuramoto–Sivashinsky equation via radial basis function-generated finite difference scheme combined with an exponential time discretization. Engineering Analysis With Boundary Elements, 2019, 107, 168-184.	2.0	23
8	Numerical simulation of a prostate tumor growth model by the RBF-FD scheme and a semi-implicit time discretization. Journal of Computational and Applied Mathematics, 2021, 388, 113314.	1.1	18
9	Numerical investigation on the transport equation in spherical coordinates via generalized moving least squares and moving kriging least squares approximations. Engineering With Computers, 2021, 37, 1231-1249.	3.5	12
10	A divergence-free generalized moving least squares approximation with its application. Applied Numerical Mathematics, 2021, 162, 374-404.	1.2	11
11	Generalized moving least squares approximation for the solution of local and non-local models of cancer cell invasion of tissue under the effect of adhesion in one- and two-dimensional spaces. Computers in Biology and Medicine, 2020, 124, 103803.	3.9	9
12	Error analysis of method of lines (MOL) via generalized interpolating moving least squares (GIMLS) approximation. Journal of Computational and Applied Mathematics, 2017, 321, 540-554.	1.1	6
13	The boundary knot method for the solution of two-dimensional advection reaction-diffusion and Brusselator equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 106-133.	1.6	5
14	An asymptotic analysis and numerical simulation of a prostate tumor growth model via the generalized moving least squares approximation combined with semi-implicit time integration. Applied Mathematical Modelling, 2022, 104, 826-849.	2.2	4
15	Free vibration and postbuckling of laminated composite Timoshenko beams. Science and Engineering of Composite Materials, 2016, 23, 107-121.	0.6	Ο