

# Mehdi Tatari

## List of Publications by Year in descending order

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28  
papers

1,152  
citations

516561

16  
h-index

526166

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

569  
citing authors

#	ARTICLE	IF	CITATIONS
1	A diagonal splitting method for solving semidiscretized parabolic partial differential equations. Numerical Methods for Partial Differential Equations, 2020, 36, 268-283.	2.0	0
2	Analysis of the stabilized element free Galerkin approximations to the Stokes equations. Applied Numerical Mathematics, 2020, 150, 325-340.	1.2	3
3	Magneto-hydrodynamics (MHD) simulation via an adaptive element free Galerkin method. Engineering With Computers, 2020, , 1.	3.5	2
4	An adaptive strategy for solving convection dominated diffusion equation. Computational and Applied Mathematics, 2020, 39, 1.	1.0	4
5	A Meshfree Technique for Numerical Simulation of Reaction-Diffusion Systems in Developmental Biology. Advances in Applied Mathematics and Mechanics, 2017, 9, 1225-1249.	0.7	3
6	An adaptive meshless local Petrov-Galerkin method based on a posteriori error estimation for the boundary layer problems. Applied Numerical Mathematics, 2017, 111, 181-196.	1.2	32
7	Numerical modeling of magneto-hydrodynamics flows using reproducing kernel particle method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2016, 29, 548-564.	1.2	2
8	Element-free Galerkin method to the interface problems with application in electrostatic. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2016, 29, 1089-1105.	1.2	4
9	A generalized Laguerre-Legendre spectral collocation method for solving initial-boundary value problems. Applied Mathematical Modelling, 2014, 38, 1351-1364.	2.2	26
10	An image denoising approach based on a meshfree method and the domain decomposition technique. Engineering Analysis With Boundary Elements, 2014, 39, 101-110.	2.0	17
11	The Galerkin boundary node method for magneto-hydrodynamic (MHD) equation. Journal of Computational Physics, 2014, 258, 634-649.	1.9	12
12	New implementation of radial basis functions for solving Burgers-Fisher equation. Numerical Methods for Partial Differential Equations, 2012, 28, 248-262.	2.0	10
13	A new efficient technique for finding the solution of initial-value problems using He's variational iteration method. International Journal for Numerical Methods in Biomedical Engineering, 2011, 27, 1376-1384.	1.0	1
14	The finite point method for the p-Laplace equation. Computational Mechanics, 2011, 48, 689-697.	2.2	18
15	The Finite Point Method for Reaction-Diffusion Systems in Developmental Biology. CMES - Computer Modeling in Engineering and Sciences, 2011, 82, 1-28.	0.8	5
16	A method for solving partial differential equations via radial basis functions: Application to the heat equation. Engineering Analysis With Boundary Elements, 2010, 34, 206-212.	2.0	89
17	Finding approximate solutions for a class of third-order non-linear boundary value problems via the decomposition method of Adomian. International Journal of Computer Mathematics, 2010, 87, 1256-1263.	1.0	39
18	On the solution of the non-local parabolic partial differential equations via radial basis functions. Applied Mathematical Modelling, 2009, 33, 1729-1738.	2.2	93

#	ARTICLE	IF	CITATIONS
19	Improvement of He's variational iteration method for solving systems of differential equations. Computers and Mathematics With Applications, 2009, 58, 2160-2166.	1.4	41
20	Identifying an unknown function in a parabolic equation with overspecified data via He's variational iteration method. Chaos, Solitons and Fractals, 2008, 36, 157-166.	2.5	66
21	On the convergence of He's variational iteration method. Journal of Computational and Applied Mathematics, 2007, 207, 121-128.	1.1	222
22	He's variational iteration method for computing a control parameter in a semi-linear inverse parabolic equation. Chaos, Solitons and Fractals, 2007, 33, 671-677.	2.5	63
23	Application of the Adomian decomposition method for the Fokker-Planck equation. Mathematical and Computer Modelling, 2007, 45, 639-650.	2.0	89
24	Solution of problems in calculus of variations via He's variational iteration method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 362, 401-406.	0.9	53
25	The use of the Adomian decomposition method for solving multipoint boundary value problems. Physica Scripta, 2006, 73, 672-676.	1.2	71
26	The use of He's variational iteration method for solving a Fokker-Planck equation. Physica Scripta, 2006, 74, 310-316.	1.2	69
27	Determination of a control parameter in a one-dimensional parabolic equation using the method of radial basis functions. Mathematical and Computer Modelling, 2006, 44, 1160-1168.	2.0	82
28	Numerical Solution of Laplace Equation in a Disk using the Adomian Decomposition Method. Physica Scripta, 2005, 72, 345-348.	1.2	36