Po-Wei Li

List of Publications by Year
in descending order

25	648	567144 15	580701 25
papers	citations	h-index	g-index

25	25	25	208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generalized finite difference method for two-dimensional shallow water equations. Engineering Analysis With Boundary Elements, 2017, 80, 58-71.	2.0	77
2	Generalized finite difference method for solving two-dimensional inverse Cauchy problems. Inverse Problems in Science and Engineering, 2015, 23, 737-759.	1.2	56
3	Application of the Generalized Finite-Difference Method to Inverse Biharmonic Boundary-Value Problems. Numerical Heat Transfer, Part B: Fundamentals, 2014, 65, 129-154.	0.6	50
4	Spaceâ€“time generalized finite difference nonlinear model for solving unsteady Burgersâ€™ equations. Applied Mathematics Letters, 2021, 114, 106896.	1.5	47
5	The generalized finite difference method for the inverse Cauchy problem in two-dimensional isotropic linear elasticity. International Journal of Solids and Structures, 2019, 174-175, 69-84.	1.3	45
6	A semi-Lagrangian meshless framework for numerical solutions of two-dimensional sloshing phenomenon. Engineering Analysis With Boundary Elements, 2020, 112, 58-67.	2.0	41
7	Generalized finite difference method for solving stationary 2D and 3D Stokes equations with a mixed boundary condition. Computers and Mathematics With Applications, 2020, 80, 1726-1743.	1.4	32
8	Simulation of two-dimensional sloshing phenomenon by generalized finite difference method. Engineering Analysis With Boundary Elements, 2016, 63, 82-91.	2.0	31
9	Numerical solutions of the coupled unsteady nonlinear convection-diffusion equations based on generalized finite difference method. European Physical Journal Plus, 2019, 134, 1.	1.2	30
10	Generalized finite difference method for solving the double-diffusive natural convection in fluid-saturated porous media. Engineering Analysis With Boundary Elements, 2018, 95, 175-186.	2.0	28
11	Generalized Finite Difference Method for Solving Two-dimensional Burgersâ€™ Equations. Procedia Engineering, 2014, 79, 55-60.	1.2	25
12	Application of generalized finite difference method to propagation of nonlinear water waves in numerical wave flume. Ocean Engineering, 2016, 123, 278-290.	1.9	24
13	A meshless generalized finite difference method for solving shallow water equations with the flux limiter technique. Engineering Analysis With Boundary Elements, 2021, 131, 159-173.	2.0	24
14	Localized method of fundamental solutions for two- and three-dimensional transient convection-diffusion-reaction equations. Engineering Analysis With Boundary Elements, 2021, 124, 237-244.	2.0	17
15	Solving Boussinesq equations with a meshless finite difference method. Ocean Engineering, 2020, 198, 106957.	1.9	15
16	The spaceâ€“time generalized finite difference scheme for solving the nonlinear equal-width equation in the long-time simulation. Applied Mathematics Letters, 2022, 132, 108181.	1.5	15
17	Localized singular boundary method for solving Laplace and Helmholtz equations in arbitrary 2D domains. Engineering Analysis With Boundary Elements, 2021, 129, 82-92.	2.0	14
18	Local non-singular knot method for large-scale computation of acoustic problems in complicated geometries. Computers and Mathematics With Applications, 2021, 84, 128-143.	1.4	13

#	Article	IF	Citations
19	A generalized finite difference method for solving Stokes interface problems. Engineering Analysis With Boundary Elements, 2021, 132, 50-64.	2.0	13
20	Numerical Solutions of Direct and Inverse Stokes Problems by the Method of Fundamental Solutions and the Laplacian Decomposition. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 204-223.	0.6	10
21	Numerical solutions of mild slope equation by generalized finite difference method. Engineering Analysis With Boundary Elements, 2018, 88, 1-13.	2.0	10
22	Bending analysis of simply supported and clamped thin elastic plates by using a modified version of the LMFS. Mathematics and Computers in Simulation, 2021, 185, 347-357.	2.4	10
23	A space-time generalized finite difference method for solving unsteady double-diffusive natural convection in fluid-saturated porous media. Engineering Analysis With Boundary Elements, 2022, 142, 138-152.	2.0	8
24	Estimation of Tumor Characteristics in a Skin Tissue by a Meshless Collocation Solver. International Journal of Computational Methods, 2021, 18, 2041009.	0.8	7
25	A generalized finite difference method for solving biharmonic interface problems. Engineering Analysis With Boundary Elements, 2022, 135, 132-144.	2.0	6