Der Liang Young

List of Publications by Year
in descending order

50	1,033	516710	434195
papers	citations	16	31
		h-index	g-index

50	50	50	776
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel local radial basis function collocation method for multi-dimensional piezoelectric problems. Journal of Intelligent Material Systems and Structures, 2022, 33, 1574-1587.	2.5	3
2	Two-step MPS-MFS ghost point method for solving partial differential equations. Computers and Mathematics With Applications, 2021, 94, 38-46.	2.7	10
3	Ghost-point based radial basis function collocation methods with variable shape parameters. Engineering Analysis With Boundary Elements, 2021, 130, 40-48.	3.7	8
4	The singularity method in unsteady Stokes flow: hydrodynamic force and torque around a sphere in time-dependent flows. Journal of Fluid Mechanics, 2019, 863, 1-31.	3.4	4
5	Three-dimensional analysis for functionally graded piezoelectric semiconductors. Journal of Intelligent Material Systems and Structures, 2017, 28, 1391-1406.	2.5	10
6	Local radial basis function collocation method for bending analyses of quasicrystal plates. Applied Mathematical Modelling, 2017, 50, 463-483.	4.2	14
7	Method of Fundamental Solutions for Three-Dimensional Exterior Potential Flows. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	6
8	Hypersingular meshless method using double-layer potentials for three-dimensional exterior acoustic problems. Journal of the Acoustical Society of America, 2016, 139, 529-540.	1.1	4
9	Analyses of Circular Magnetoelectroelastic Plates with Functionally Graded Material Properties. Mechanics of Advanced Materials and Structures, 2015, 22, 479-489.	2.6	55
10	Calculation of Hydrodynamic Forces for Unsteady Stokes Flows by Singularity Integral Equations Based on Fundamental Solutions. Journal of Mechanics, 2014, 30, 129-136.	1.4	2
11	Adaptive meshless local maximum-entropy finite element method for convection–diffusion problems. Computational Mechanics, 2014, 53, 189-200.	4.0	9
12	Velocity distribution and discharge calculation at a sharp-crested weir. Paddy and Water Environment, 2014, 12, 203-212.	1.8	1
13	INTERPOLATION TECHNIQUES FOR SCATTERED DATA BY LOCAL RADIAL BASIS FUNCTION DIFFERENTIAL QUADRATURE METHOD. International Journal of Computational Methods, 2013, 10, 1341011.	1.3	4
14	Evaluation of Multi-Order Derivatives by Local Radial Basis Function Differential Quadrature Method. Journal of Mechanics, 2013, 29, 67-78.	1.4	9
15	Generalized two-dimensional Lagally theorem with free vortices and its application to fluid–body interaction problems. Journal of Fluid Mechanics, 2012, 698, 73-92.	3.4	7
16	Frequency response analyses in vibroacoustics using the method of fundamental solutions. Computational Mechanics, 2011, 47, 519-533.	4.0	4
17	DEVELOPING A CONSTRUCTION-DURATION MODEL BASED ON A HISTORICAL DATASET FOR BUILDING PROJECT / STATYBÅ² PROJEKTO REALIZAVIMO TRUKMÄ—S MODELIO, PAGRÄ®STO ISTORINIAIS DUOMENIMIS, KÅ°RIMAS. Journal of Civil Engineering and Management, 2011, 17, 529-539.	3.3	25
18	The method of fundamental solutions with eigenfunctions expansion method for 3D nonhomogeneous diffusion equations. Numerical Methods for Partial Differential Equations, 2009, 25, 195-211.	3.6	5

#	Article	IF	Citations
19	Local Differential Quadrature Method for 2-D Flow and Forced-Convection Problems in Irregular Domains. Numerical Heat Transfer, Part B: Fundamentals, 2009, 55, 116-134.	0.9	21
20	Convective drying analysis of three-dimensional porous solid by mass lumping finite element technique. Heat and Mass Transfer, 2008, 44, 401-412.	2.1	8
21	Computation of Nonlinear Free-Surface Flows by a Meshless Numerical Method. Journal of Waterway, Port, Coastal and Ocean Engineering, 2008, 134, 97-103.	1.2	22
22	The 1996 Lake Ha! Ha! breakout flood, Québec: Test data for geomorphic flood routing methods. Journal of Hydraulic Research/De Recherches Hydrauliques, 2007, 45, 97-109.	1.7	36
23	A Hybrid Cartesian/Immersed-Boundary Finite-Element Method for Simulating Heat and Flow Patterns in a Two-Roll Mill. Numerical Heat Transfer, Part B: Fundamentals, 2007, 51, 251-274.	0.9	16
24	T4 Equal-Order Finite-Element Analysis for Laminar Flow and Forced-Convection Problems. Numerical Heat Transfer; Part A: Applications, 2007, 51, 795-814.	2.1	3
25	Global Matrix-Free Finite-Element Scheme for Natural Convection in a Square Cavity with Step Blockage. Numerical Heat Transfer, Part B: Fundamentals, 2006, 50, 353-373.	0.9	13
26	Three-dimensional tracking of the long time trajectories of suspended particles in a lid-driven cavity flow. Experiments in Fluids, 2006, 40, 314-328.	2.4	56
27	The method of fundamental solutions with eigenfunction expansion method for nonhomogeneous diffusion equation. Numerical Methods for Partial Differential Equations, 2006, 22, 1173-1196.	3.6	7
28	Meshless numerical simulation for fully nonlinear water waves. International Journal for Numerical Methods in Fluids, 2006, 50, 219-234.	1.6	30
29	Nonsingular boundary integral equation for two-dimensional electromagnetic scattering problems. Microwave and Optical Technology Letters, 2006, 48, 760-765.	1.4	2
30	Singular meshless method using double layer potentials for exterior acoustics. Journal of the Acoustical Society of America, 2006, 119, 96-107.	1.1	46
31	Numerical solution of three-dimensional velocity-vorticity Navier-Stokes equations by finite difference method. International Journal for Numerical Methods in Fluids, 2005, 47, 1469-1487.	1.6	46
32	An accurate numerical solution algorithm for 3D velocity-vorticity Navier-Stokes equations by the DQ method. Communications in Numerical Methods in Engineering, 2005, 22, 235-250.	1.3	17
33	Analysis of elliptical waveguides by the method of fundamental solutions. Microwave and Optical Technology Letters, 2005, 44, 552-558.	1.4	33
34	The method of fundamental solutions for inverse 2D Stokes problems. Computational Mechanics, 2005, 37, 2-14.	4.0	51
35	Finite-Element Analysis of 3-D Viscous Flow and Mixed-Convection Problems by the Projection Method. Numerical Heat Transfer; Part A: Applications, 2005, 48, 339-358.	2.1	10
36	Two-dimensional simulation of a thermally stratified reservoir with high sediment-laden inflow. Journal of Hydraulic Research/De Recherches Hydrauliques, 2005, 43, 351-365.	1.7	9

#	Article	IF	Citations
37	GDQ METHOD FOR NATURAL CONVECTION IN A SQUARE CAVITY USING VELOCITYâ€"VORTICITY FORMULATION. Numerical Heat Transfer, Part B: Fundamentals, 2005, 47, 321-341.	0.9	18
38	GDQ Method for Natural Convection in a Cubic Cavity Using Velocityâ€"Vorticity Formulation. Numerical Heat Transfer, Part B: Fundamentals, 2005, 48, 363-386.	0.9	20
39	Closure to â€œTreatment of Natural Geometry in Finite Volume River Flow Computationsâ€•by H. Capart, T. I. Eldho, S. Y. Huang, D. L. Young, and Y. Zech. Journal of Hydraulic Engineering, 2004, 130, 1048-1049.	1.5	2
40	An efficient global matrix free finite element algorithm for 3D flow problems. Communications in Numerical Methods in Engineering, 2004, 21, 107-118.	1.3	4
41	FEM-BEM ANALYSIS OF VORTEX-INDUCED OSCILLATION OF A CIRCULAR CYLINDER. , 2002, , .		0
42	Three-dimensional transient shallow water flow simulation using aboundary integral equation model. Journal of Hydraulic Research/De Recherches Hydrauliques, 2002, 40, 403-412.	1.7	1
43	VoronoÃ¯ imaging methods for the measurement of granular flows. Experiments in Fluids, 2002, 32, 121-135.	2.4	142
44	A coupled BEM and arbitrary Lagrangianâ€"Eulerian FEM model for the solution of twoâ€dimensional laminar flows in external flow fields. International Journal for Numerical Methods in Engineering, 2001, 51, 1053-1077.	2.8	12
45	Numerical simulation of high-Reynolds number flow around circular cylinders by a three-step FEM-BEM model. International Journal for Numerical Methods in Fluids, 2001, 37, 657-689.	1.6	3
46	Solution of the Navier-Stokes equations in velocity-vorticity form using a Eulerian-Lagrangian boundary element method. International Journal for Numerical Methods in Fluids, 2000, 34, 627-650.	1.6	12
47	Computations of recirculation zones of a confined annular swirling flow. International Journal for Numerical Methods in Fluids, 1999, 29, 791-810.	1.6	10
48	Numerical simulation of three-dimensional Couette-Taylor flows. International Journal for Numerical Methods in Fluids, 1999, 29, 827-847.	1.6	16
49	Formation of a jump by the dam-break wave over a granular bed. Journal of Fluid Mechanics, 1998, 372, 165-187.	3.4	167
50	Period-doubling route to chaos for a swirling flow in an open cylindrical container with a rotating disk. Experiments in Fluids, 1995, 18, 389-392.	2.4	20