

Der Liang Young

List of Publications by Year in descending order

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50
papers

1,033
citations

516710

16
h-index

434195

31
g-index

50
all docs

50
docs citations

50
times ranked

776
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of a jump by the dam-break wave over a granular bed. Journal of Fluid Mechanics, 1998, 372, 165-187.	3.4	167
2	Voronoi imaging methods for the measurement of granular flows. Experiments in Fluids, 2002, 32, 121-135.	2.4	142
3	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
4	Analyses of Circular Magnetoelastic Plates with Functionally Graded Material Properties. Mechanics of Advanced Materials and Structures, 2015, 22, 479-489.	2.6	55
5	The method of fundamental solutions for inverse 2D Stokes problems. Computational Mechanics, 2005, 37, 2-14.	4.0	51
6	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
7	Singular meshless method using double layer potentials for exterior acoustics. Journal of the Acoustical Society of America, 2006, 119, 96-107.	1.1	46
8	The 1996 Lake Ha! Ha! breakout flood, Quebec: Test data for geomorphic flood routing methods. Journal of Hydraulic Research/De Recherches Hydrauliques, 2007, 45, 97-109.	1.7	36
9	Analysis of elliptical waveguides by the method of fundamental solutions. Microwave and Optical Technology Letters, 2005, 44, 552-558.	1.4	33
10	Meshless numerical simulation for fully nonlinear water waves. International Journal for Numerical Methods in Fluids, 2006, 50, 219-234.	1.6	30
11	DEVELOPING A CONSTRUCTION-DURATION MODEL BASED ON A HISTORICAL DATASET FOR BUILDING PROJECT / STATYBŲ PROJEKTO REALIZAVIMO TRUKMŲ MODELIO, PAGRĖSTO ISTORINIAIS DUOMENIMIS, KŲMAS. Journal of Civil Engineering and Management, 2011, 17, 529-539.	1.1	25
12	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
13	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
14	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
15	GDQ Method for Natural Convection in a Cubic Cavity Using Velocity-Vorticity Formulation. Numerical Heat Transfer, Part B: Fundamentals, 2005, 48, 363-386.	0.9	20
16	GDQ METHOD FOR NATURAL CONVECTION IN A SQUARE CAVITY USING VELOCITY-VORTICITY FORMULATION. Numerical Heat Transfer, Part B: Fundamentals, 2005, 47, 321-341.	0.9	18
17	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
18	Numerical simulation of three-dimensional Couette-Taylor flows. International Journal for Numerical Methods in Fluids, 1999, 29, 827-847.	1.6	16

#	ARTICLE	IF	CITATIONS
19	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
20	Local radial basis function collocation method for bending analyses of quasicrystal plates. Applied Mathematical Modelling, 2017, 50, 463-483.	4.2	14
21	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
22	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
23	A coupled BEM and arbitrary Lagrangian-Eulerian FEM model for the solution of two-dimensional laminar flows in external flow fields. International Journal for Numerical Methods in Engineering, 2001, 51, 1053-1077.	2.8	12
24	Computations of recirculation zones of a confined annular swirling flow. International Journal for Numerical Methods in Fluids, 1999, 29, 791-810.	1.6	10
25	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
26	Three-dimensional analysis for functionally graded piezoelectric semiconductors. Journal of Intelligent Material Systems and Structures, 2017, 28, 1391-1406.	2.5	10
27	Two-step MPS-MFS ghost point method for solving partial differential equations. Computers and Mathematics With Applications, 2021, 94, 38-46.	2.7	10
28	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
29	Evaluation of Multi-Order Derivatives by Local Radial Basis Function Differential Quadrature Method. Journal of Mechanics, 2013, 29, 67-78.	1.4	9
30	Adaptive meshless local maximum-entropy finite element method for convection-diffusion problems. Computational Mechanics, 2014, 53, 189-200.	4.0	9
31	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
32	Ghost-point based radial basis function collocation methods with variable shape parameters. Engineering Analysis With Boundary Elements, 2021, 130, 40-48.	3.7	8
33	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
34	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
35	Method of Fundamental Solutions for Three-Dimensional Exterior Potential Flows. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	6
36	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

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37	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
38	Frequency response analyses in vibroacoustics using the method of fundamental solutions. Computational Mechanics, 2011, 47, 519-533.	4.0	4
39	INTERPOLATION TECHNIQUES FOR SCATTERED DATA BY LOCAL RADIAL BASIS FUNCTION DIFFERENTIAL QUADRATURE METHOD. International Journal of Computational Methods, 2013, 10, 1341011.	1.3	4
40	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
41	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
42	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
43	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
44	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
45	Closure to "Treatment of Natural Geometry in Finite Volume River Flow Computations" 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
46	Nonsingular boundary integral equation for two-dimensional electromagnetic scattering problems. Microwave and Optical Technology Letters, 2006, 48, 760-765.	1.4	2
47	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
48	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
49	Velocity distribution and discharge calculation at a sharp-crested weir. Paddy and Water Environment, 2014, 12, 203-212.	1.8	1
50	FEM-BEM ANALYSIS OF VORTEX-INDUCED OSCILLATION OF A CIRCULAR CYLINDER. , 2002, , .		0