

Yeo Ks

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

3,329
citations

30
h-index

54
g-index

124
ext. papers

3,694
ext. citations

2.9
avg, IF

5.21
L-index

#	Paper	IF	Citations
115	Local radial basis function-based differential quadrature method and its application to solve two-dimensional incompressible Navier-Stokes equations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003 , 192, 941-954	5.7	341
114	Ghost fluid method for strong shock impacting on material interface. <i>Journal of Computational Physics</i> , 2003 , 190, 651-681	4.1	210
113	Nonlinear interaction between gas bubble and free surface. <i>Computers and Fluids</i> , 1996 , 25, 607-628	2.8	169
112	3D Jet Impact and Toroidal Bubbles. <i>Journal of Computational Physics</i> , 2001 , 166, 336-360	4.1	149
111	Strong interaction between a buoyancy bubble and a free surface. <i>Theoretical and Computational Fluid Dynamics</i> , 1996 , 8, 73-88	2.3	135
110	Numerical simulation of flows around two circular cylinders by mesh-free least square-based finite difference methods. <i>International Journal for Numerical Methods in Fluids</i> , 2007 , 53, 305-332	1.9	109
109	Simulation of incompressible viscous flows past a circular cylinder by hybrid FD scheme and meshless least square-based finite difference method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2004 , 193, 727-744	5.7	108
108	Instability of Taylor-Couette flow between concentric rotating cylinders. <i>International Journal of Thermal Sciences</i> , 2008 , 47, 1422-1435	4.1	75
107	Development of least-square-based two-dimensional finite-difference schemes and their application to simulate natural convection in a cavity. <i>Computers and Fluids</i> , 2004 , 33, 137-154	2.8	74
106	The merging of two gaseous bubbles with an application to underwater explosions. <i>Computers and Fluids</i> , 2003 , 32, 1049-1074	2.8	71
105	Elastic mesh technique for 3D BIM simulation with an application to underwater explosion bubble dynamics. <i>Computers and Fluids</i> , 2003 , 32, 1195-1212	2.8	70
104	Vortex ring modelling of toroidal bubbles. <i>Theoretical and Computational Fluid Dynamics</i> , 2005 , 19, 303-313	3.7	63
103	Three-Dimensional Computation of Bubbles Near a Free Surface. <i>Journal of Computational Physics</i> , 1998 , 146, 105-123	4.1	53
102	The stability of boundary-layer flow over single-and multi-layer viscoelastic walls. <i>Journal of Fluid Mechanics</i> , 1988 , 196, 359-408	3.7	53
101	Effect of wing-wake interaction on aerodynamic force generation on a 2D flapping wing. <i>Experiments in Fluids</i> , 2011 , 51, 177-195	2.5	52
100	Wake-Structure Formation of a Heaving Two-Dimensional Elliptic Airfoil. <i>AIAA Journal</i> , 2007 , 45, 1571-1583	5.7	52
99	Numerical computation of three-dimensional incompressible viscous flows in the primitive variable form by local multiquadric differential quadrature method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 516-533	5.7	52

98	Solution of partial differential equations by a global radial basis function-based differential quadrature method. <i>Engineering Analysis With Boundary Elements</i> , 2004 , 28, 1217-1226	2.6	51
97	The simulation of compressible multi-medium flow. <i>Computers and Fluids</i> , 2001 , 30, 315-337	2.8	51
96	The simulation of compressible multi-medium flow. I. A new methodology with test applications to 1D gas-gas and gas-water cases. <i>Computers and Fluids</i> , 2001 , 30, 291-314	2.8	51
95	Modeling Mitigation Effects of Watershield on Shock Waves. <i>Shock and Vibration</i> , 1998 , 5, 225-234	1.1	51
94	On the aerodynamic characteristics of hovering rigid and flexible hawkmoth-like wings. <i>Experiments in Fluids</i> , 2010 , 49, 1263-1291	2.5	50
93	A generalized finite-difference (GFD) ALE scheme for incompressible flows around moving solid bodies on hybrid meshfree-Cartesian grids. <i>Journal of Computational Physics</i> , 2006 , 218, 510-548	4.1	46
92	Block-marching in time with DQ discretization: an efficient method for time-dependent problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002 , 191, 4587-4597	5.7	46
91	Aerodynamics of two-dimensional flapping wings in tandem configuration. <i>Physics of Fluids</i> , 2016 , 28, 121901	4.4	46
90	Scaling of Aerodynamic Forces of Three-Dimensional Flapping Wings. <i>AIAA Journal</i> , 2014 , 52, 1095-1101	2.1	45
89	SIMULATION OF NATURAL CONVECTION IN ECCENTRIC ANNULI BETWEEN A SQUARE OUTER CYLINDER AND A CIRCULAR INNER CYLINDER USING LOCAL MQ-DQ METHOD. <i>Numerical Heat Transfer; Part A: Applications</i> , 2005 , 47, 291-313	2.3	45
88	A quasi-steady aerodynamic model for flapping flight with improved adaptability. <i>Bioinspiration and Biomimetics</i> , 2016 , 11, 036005	2.6	41
87	Numerical solutions of incompressible Navier-Stokes equations by generalized differential quadrature. <i>Finite Elements in Analysis and Design</i> , 1994 , 18, 83-97	2.2	30
86	The stability of inviscid flows over passive compliant walls. <i>Journal of Fluid Mechanics</i> , 1987 , 183, 265-293	3.7	30
85	DNS of wavepacket evolution in a Blasius boundary layer. <i>Journal of Fluid Mechanics</i> , 2010 , 652, 333-372	3.7	29
84	Energy loss distribution in the plane Couette flow and the Taylor-Couette flow between concentric rotating cylinders. <i>International Journal of Thermal Sciences</i> , 2007 , 46, 262-275	4.1	28
83	Aerodynamic forces and flow fields of a two-dimensional hovering wing. <i>Experiments in Fluids</i> , 2008 , 45, 1047-1065	2.5	28
82	Simulation of fish swimming and manoeuvring by an SVD-GFD method on a hybrid meshfree-Cartesian grid. <i>Computers and Fluids</i> , 2010 , 39, 403-430	2.8	26
81	The absolute instability of boundary-layer flow over viscoelastic walls. <i>Theoretical and Computational Fluid Dynamics</i> , 1996 , 8, 237-252	2.3	26

80	Modeling and analysis of insect-like flexible wings at low Reynolds number. <i>Journal of Fluids and Structures</i> , 2016 , 62, 294-317	3.1	23
79	The numerical simulations of explosion and implosion in air: use of a modified Harten's TVD scheme. <i>International Journal for Numerical Methods in Fluids</i> , 1999 , 31, 661-680	1.9	23
78	Aerodynamic Effects of Elevating Motion on Hovering Rigid Hawkmothlike Wings. <i>AIAA Journal</i> , 2016 , 54, 2247-2264	2.1	22
77	On the thrust performance of a flapping two-dimensional elliptic airfoil in a forward flight. <i>Journal of Fluids and Structures</i> , 2016 , 66, 91-109	3.1	22
76	A SVD-GFD scheme for computing 3D incompressible viscous fluid flows. <i>Computers and Fluids</i> , 2008 , 37, 733-746	2.8	21
75	Numerical analysis of flow and thermal fields in arbitrary eccentric annulus by differential quadrature method. <i>Heat and Mass Transfer</i> , 2002 , 38, 597-608	2.2	21
74	The hydrodynamic stability of boundary-layer flow over a class of anisotropic compliant walls. <i>Journal of Fluid Mechanics</i> , 1990 , 220, 125-160	3.7	21
73	ON THE PROLONG ATTACHMENT OF LEADING EDGE VORTEX ON A FLAPPING WING. <i>Modern Physics Letters B</i> , 2009 , 23, 357-360	1.6	19
72	Turbulent boundary layer over a compliant surface: absolute and convective instabilities. <i>Journal of Fluid Mechanics</i> , 2001 , 449, 141-168	3.7	19
71	The three-dimensional stability of boundary-layer flow over compliant walls. <i>Journal of Fluid Mechanics</i> , 1992 , 238, 537-577	3.7	19
70	Ground effect on the aerodynamics of three-dimensional hovering wings. <i>Bioinspiration and Biomimetics</i> , 2016 , 11, 066003	2.6	18
69	DNS of low Reynolds number turbulent flows in dimpled channels. <i>Journal of Turbulence</i> , 2006 , 7, N37	2.1	18
68	Numerical simulation of fibre suspension flow through an axisymmetric contraction and expansion passages by Brownian configuration field method. <i>Chemical Engineering Science</i> , 2006 , 61, 4998-5009	4.4	18
67	BY-PASS MECHANISM OF TRANSITION TO TURBULENCE. <i>Journal of Fluids and Structures</i> , 2002 , 16, 15-29,1	3.1	18
66	Simulations of fibre orientation in dilute suspensions with front moving in the filling process of a rectangular channel using level-set method. <i>Rheologica Acta</i> , 2007 , 46, 427-447	2.3	17
65	A three-dimensional modeling of wire sweep incorporating resin cure. <i>IEEE Transactions on Advanced Packaging</i> , 1998 , 21, 65-72		17
64	THE CONVECTIVE AND ABSOLUTE INSTABILITY OF FLUID FLOW OVER VISCOELASTIC COMPLIANT LAYERS. <i>Journal of Sound and Vibration</i> , 1999 , 223, 379-398	3.9	17
63	Simulation of three-dimensional bubbles using desingularized boundary integral method. <i>International Journal for Numerical Methods in Fluids</i> , 1999 , 31, 1311-1320	1.9	17

62	Numerical studies of unsteady boundary layer flows past an impulsively started circular cylinder by GDQ and GIQ approaches. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1996 , 135, 229-241	5.7	17
61	Ground effect on the aerodynamics of a two-dimensional oscillating airfoil. <i>Experiments in Fluids</i> , 2014 , 55, 1	2.5	16
60	A singular-value decomposition (SVD)-based generalized finite difference (GFD) method for close-interaction moving boundary flow problems. <i>International Journal for Numerical Methods in Engineering</i> , 2008 , 76, 1892-1929	2.4	16
59	A Comparison of Simulation Results with Experiment on Water Mitigation of an Explosion. <i>Shock and Vibration</i> , 1999 , 6, 73-80	1.1	16
58	Application of gdq scheme to simulate incompressible viscous flows around complex geometries. <i>Mechanics Research Communications</i> , 1995 , 22, 319-325	2.2	16
57	A numerical study on the free hovering flight of a model insect at low Reynolds number. <i>Computers and Fluids</i> , 2014 , 103, 234-261	2.8	15
56	Effects of pitching phase angle and amplitude on a two-dimensional flapping wing in hovering mode. <i>Experiments in Fluids</i> , 2015 , 56, 1	2.5	15
55	Enhanced thrust performance of a two dimensional elliptic airfoil at high flapping frequency in a forward flight. <i>Journal of Fluids and Structures</i> , 2018 , 76, 37-59	3.1	14
54	Spatial direct numerical simulation of transitional boundary layer over compliant surfaces. <i>Computers and Fluids</i> , 2005 , 34, 1062-1095	2.8	14
53	Design and Characterization of a Novel T-Shaped Multi-Axis Piezoresistive Force/Moment Sensor. <i>IEEE Sensors Journal</i> , 2016 , 16, 4198-4210	4	14
52	A three-dimensional hybrid meshfree-Cartesian scheme for fluid-body interaction. <i>International Journal for Numerical Methods in Engineering</i> , 2011 , 88, 385-408	2.4	13
51	A rotating elliptic airfoil in fluid at rest and in a parallel freestream. <i>Experiments in Fluids</i> , 2010 , 49, 1065-1084	2.1	13
50	Solutions of three-dimensional boundary layer equations by global methods of generalized differential-integral quadrature. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 1996 , 6, 61-75	4.5	13
49	The linear stability of boundary-layer flow over compliant walls: effects of boundary-layer growth. <i>Journal of Fluid Mechanics</i> , 1994 , 280, 199-225	3.7	13
48	Wing-Wake Interaction of Three-Dimensional Flapping Wings. <i>AIAA Journal</i> , 2017 , 55, 729-739	2.1	12
47	Underwater shock-free surface-structure interaction. <i>International Journal for Numerical Methods in Engineering</i> , 2003 , 58, 609-630	2.4	12
46	. <i>IEEE Transactions on Advanced Packaging</i> , 1995 , 18, 201-209		12
45	Application of GDQ scheme to simulate natural convection in a square cavity. <i>International Communications in Heat and Mass Transfer</i> , 1994 , 21, 809-817	5.8	12

44	Development of propulsion mechanism for Robot Manta Ray 2015 ,		11
43	Free hovering of hummingbird hawkmoth and effects of wing mass and wing elevation. <i>Computers and Fluids</i> , 2019 , 186, 99-127	2.8	10
42	Vortex breakdown in an unconfined vortical flow. <i>Experimental Thermal and Fluid Science</i> , 1997 , 14, 131-148	3.48	10
41	Wirebond Deformation During Molding of IC Packages. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 1995 , 117, 14-19	2	10
40	Dissipative particle dynamics simulations for fibre suspensions in newtonian and viscoelastic fluids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010 , 199, 1593-1602	5.7	9
39	SVD-DFD scheme to simulate complex moving body problems in 3D space. <i>Journal of Computational Physics</i> , 2010 , 229, 2314-2338	4.1	9
38	On the performance of three iterative methods for solution of GDQ algebraic equations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1998 , 167, 1-15	5.7	9
37	The Linear Stability of Boundary-Layer Flow over Compliant Walls—The Effects of the Wall Mean State, Induced by Flow Loading. <i>Journal of Fluids and Structures</i> , 1994 , 8, 529-551	3.1	9
36	Longitudinal free flight of a model insect flyer at low Reynolds number. <i>Computers and Fluids</i> , 2018 , 162, 72-90	2.8	9
35	On two-dimensional linear waves in Blasius boundary layer over viscoelastic layers. <i>European Journal of Mechanics, B/Fluids</i> , 2006 , 25, 33-58	2.4	8
34	Hybrid POD-FFT analysis of nonlinear evolving coherent structures of DNS wavepacket in laminar-turbulent transition. <i>Physics of Fluids</i> , 2017 , 29, 084105	4.4	7
33	A Relationship Between Sweep Angle of Flapping Pectoral Fins and Thrust Generation. <i>Journal of Mechanisms and Robotics</i> , 2019 , 11,	2.2	7
32	Forward flight and sideslip manoeuvre of a model hawkmoth. <i>Journal of Fluid Mechanics</i> , 2020 , 896,	3.7	6
31	A high order meshless method with compact support. <i>Journal of Computational Physics</i> , 2014 , 272, 70-87	4.1	5
30	Simulation of front evolving liquid film flowing down an inclined plate using level set method. <i>Computational Mechanics</i> , 2004 , 34, 271	4	5
29	The Combined Effects of Wavepacket Frequency, Amplitude and Bandwidth on its Transition Process in a Boundary Layer. <i>Procedia IUTAM</i> , 2015 , 14, 364-373		4
28	Optimization of Viscoelastic Compliant Walls for Transition Delay. <i>AIAA Journal</i> , 1998 , 36, 656-658	2.1	4
27	Convection in eccentric annuli with inner cylinder rotation. <i>AIAA Journal</i> , 1986 , 24, 170-171	2.1	4

26	Manoeuvring flight of a model insectBaccadic yaw and sideslip. <i>Computers and Fluids</i> , 2019 , 180, 54-67	2.8	4
25	A simplified dynamic model for controlled insect hovering flight and control stability analysis. <i>Bioinspiration and Biomimetics</i> , 2019 , 14, 056005	2.6	3
24	Computation of turbulent flow in a square duct: aspects of the secondary flow and its origin. <i>Computers and Fluids</i> , 1994 , 23, 157-176	2.8	3
23	Note on the inviscid stability of flow over a compliant wall. <i>Journal of Fluid Mechanics</i> , 1994 , 279, 165-168.	3.7	3
22	Effect of pectoral fin kinematics on manta ray propulsion. <i>Modern Physics Letters B</i> , 2018 , 32, 1840025	1.6	2
21	EXPERIMENTAL STUDY OF GROUND EFFECT ON THREE-DIMENSIONAL INSECT-LIKE FLAPPING MOTION. <i>International Journal of Modern Physics Conference Series</i> , 2014 , 34, 1460384	0.7	2
20	A numerical study of the effect of free surface and water depth on the stability of wakes: use of GDQ formulation. <i>International Journal for Numerical Methods in Fluids</i> , 1997 , 24, 1079-1090	1.9	2
19	The Stability of Flow Over Periodically Supported Plates-Potential Flow. <i>Journal of Fluids and Structures</i> , 1994 , 8, 331-354	3.1	2
18	3D Toroidal Bubbles Near a Rigid Wall. <i>Fluid Mechanics and Its Applications</i> , 2001 , 353-360	0.2	2
17	A Numerical Study on Free Hovering Fruit-Fly with Flexible Wings. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2019 , 15-25	0.3	1
16	Towards a realistic fruitfly wing model with flexibility 2015 ,		1
15	Experimental Study of Two-Dimensional Flapping Wings in Tandem Configuration 2013 ,		1
14	The Effect of Wavepacket Frequency Bandwidth on the Laminar-Turbulent Transition Process in a Blasius Boundary Layer 2013 ,		1
13	The axisymmetric boundary layer beneath a Rankine-like vortex. <i>Experiments in Fluids</i> , 1997 , 22, 300-311.	2.5	1
12	Absolute Instability of a Potential Flow over Plate-Spring System. <i>AIAA Journal</i> , 2001 , 39, 740-742	2.1	1
11	Effusing core at the center of A potential vortex. <i>Experimental Thermal and Fluid Science</i> , 1993 , 7, 307-313	3	1
10	Flow-Induced Waves on Compliant Surfaces Subject to a Turbulent Boundary Layer. <i>Fluid Mechanics and Its Applications</i> , 2003 , 253-274	0.2	1
9	The absolute instability of boundary-layer flow over viscoelastic walls 1996 , 8, 237		1

8	Combined effects of amplitude, frequency and bandwidth on wavepackets in laminar turbulent transition. <i>Computers and Fluids</i> , 2020 , 197, 104358	2.8	1
7	Incipient separation in shock wave/boundary layer interactions as induced by sharp fin. <i>Shock Waves</i> , 2006 , 15, 425-436	1.6	0
6	Forward and Inverse 3D Fourier Transforms of a DNS Wavepacket Evolving in a Blasius Boundary Layer 2016 , 416-424		
5	Stagnation and rotating-disk flows over a compliant surface. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2001 , 52, 770-792	1.6	
4	Triple-region structure for turbulent flow in a square duct: A finite element approach. <i>Finite Elements in Analysis and Design</i> , 1994 , 18, 183-202	2.2	
3	Effect and correction of control delay in longitudinal dynamics of insect hovering flight. <i>Physical Review E</i> , 2021 , 104, 044410	2.4	
2	An indirect boundary element method for three-dimensional explosion bubbles 2001 , 1401-1406		
1	The Effect of Wing Mass and Wing Elevation Motion During Insect Forward Flight. <i>Lecture Notes in Computer Science</i> , 2022 , 31-42	0.9	