

Kit Ming Lam

List of Publications by Citations

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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.

83
papers

1,387
citations

21
h-index

33
g-index

87
ext. papers

1,534
ext. citations

3.2
avg, IF

4.83
L-index

#	Paper	IF	Citations
83	Recent progress in CFD modelling of wind field and pollutant transport in street canyons. <i>Atmospheric Environment</i> , 2006 , 40, 5640-5658	5.3	252
82	Physical Modeling of Flow Field inside Urban Street Canyons. <i>Journal of Applied Meteorology and Climatology</i> , 2008 , 47, 2058-2067	2.7	73
81	Interference effects on wind loading of a row of closely spaced tall buildings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008 , 96, 562-583	3.7	59
80	Asymmetric vortex shedding flow past an inclined flat plate at high incidence. <i>European Journal of Mechanics, B/Fluids</i> , 2005 , 24, 33-48	2.4	55
79	Vortex shedding flow behind a slowly rotating circular cylinder. <i>Journal of Fluids and Structures</i> , 2009 , 25, 245-262	3.1	46
78	PIV characterisation of flocculation dynamics and floc structure in water treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 379, 27-35	5.1	43
77	Wind-induced loading and dynamic responses of a row of tall buildings under strong interference. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2011 , 99, 573-583	3.7	38
76	Potential core lengths of round jets in stagnant and moving environments. <i>Journal of Hydro-Environment Research</i> , 2011 , 5, 81-91	2.3	34
75	Interference effect of an upstream larger cylinder on the lock-in vibration of a flexibly mounted circular cylinder. <i>Journal of Fluids and Structures</i> , 2003 , 17, 1059-1078	3.1	34
74	Phase-locked eduction of vortex shedding in flow past an inclined flat plate. <i>Physics of Fluids</i> , 1996 , 8, 1159-1168	4.4	30
73	Numerical Simulation of Vortex Shedding from an Inclined Flat Plate. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2010 , 4, 569-579	4.5	29
72	Interference effects in a group of tall buildings closely arranged in an L- or T-shaped pattern. <i>Wind and Structures, an International Journal</i> , 2008 , 11, 1-18		29
71	Mode shape correction for wind-induced dynamic responses of tall buildings using time-domain computation and wind tunnel tests. <i>Journal of Sound and Vibration</i> , 2009 , 322, 740-755	3.9	28
70	Velocity and concentration measurements in initial region of submerged round jets in stagnant environment and in coflow. <i>Journal of Hydro-Environment Research</i> , 2009 , 3, 21-34	2.3	26
69	Round Jet in Ambient Counterflowing Stream. <i>Journal of Hydraulic Engineering</i> , 1997 , 123, 895-903	1.8	24
68	Centerline velocity decay of a circular jet in a counterflowing stream. <i>Physics of Fluids</i> , 1998 , 10, 637-644	4.4	24
67	Investigation of turbulent jets issuing into a counter-flowing stream using digital image processing. <i>Experiments in Fluids</i> , 1995 , 18, 210-212	2.5	24

66	Evaluation of pedestrian-level wind environment around a row of tall buildings using a quartile-level wind speed descriptor. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1995 , 54-55, 527-541	3.7	24
65	Formation of vortex street and vortex pair from a circular cylinder oscillating in water. <i>Experimental Thermal and Fluid Science</i> , 2002 , 26, 901-915	3	22
64	Wind-induced natural ventilation of re-entrant bays in a high-rise building. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2011 , 99, 79-90	3.7	21
63	Occurrence of peak lifting actions on a large horizontal cantilevered roof. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2002 , 90, 897-940	3.7	21
62	Across-wind excitation mechanism for interference of twin tall buildings in staggered arrangement. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 177, 167-185	3.7	20
61	Vortex formation processes from an oscillating circular cylinder at high Keulegan-Carpenter numbers. <i>Physics of Fluids</i> , 2010 , 22, 015105	4.4	18
60	A study of natural ventilation in a refuge floor. <i>Building and Environment</i> , 2007 , 42, 3322-3332	6.5	18
59	Analytical determination of equivalent modal damping ratios of a composite tower in wind-induced vibrations. <i>Computers and Structures</i> , 1996 , 59, 311-316	4.5	17
58	Investigation of the hydrodynamic behavior of diatom aggregates using particle image velocimetry. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1157-64	6.4	16
57	Global Behaviors of a Round Buoyant Jet in a Counterflow. <i>Journal of Hydraulic Engineering</i> , 2006 , 132, 589-604	1.8	16
56	Time-Averaged Mixing Behavior of Circular Jet in Counterflow: Velocity and Concentration Measurements. <i>Journal of Hydraulic Engineering</i> , 2002 , 128, 861-865	1.8	16
55	POD analysis of crosswind forces on a tall building with square and H-shaped cross sections. <i>Wind and Structures, an International Journal</i> , 2015 , 21, 63-84		15
54	Geometry effects on mean wake topology and large-scale coherent structures of wall-mounted prisms. <i>Physics of Fluids</i> , 2019 , 31, 125109	4.4	15
53	Flow structures of a basic annular jet. <i>AIAA Journal</i> , 1985 , 23, 1185-1190	2.1	13
52	Wind environment around the base of a tall building with a permeable intermediate floor. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1992 , 44, 2313-2314	3.7	12
51	Statistical evaluation of bioretention system for hydrologic performance. <i>Water Science and Technology</i> , 2015 , 71, 1742-9	2.2	11
50	Experimental Simulation of a Vertical Round Jet Issuing into an Unsteady Cross-Flow. <i>Journal of Hydraulic Engineering</i> , 2001 , 127, 369-379	1.8	11
49	Interaction of flows behind two circular cylinders of different diameters in side-by-side arrangement. <i>Experimental Thermal and Fluid Science</i> , 1993 , 7, 189-201	3	11

48	Investigation and visualization of internal flow through particle aggregates and microbial flocs using particle image velocimetry. <i>Journal of Colloid and Interface Science</i> , 2013 , 397, 163-8	9.3	10
47	Effects of building wall arrangements on wind-induced ventilation through the refuge floor of a tall building. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008 , 96, 656-664	3.7	10
46	Acoustic radiation by vortex induced flexible wall vibration. <i>Journal of the Acoustical Society of America</i> , 2005 , 118, 2182-2189	2.2	10
45	Near-field merging and penetration of triple starting plumes from volumetric heat sources in a calm environment. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 115, 1321-1333	4.9	9
44	Coherent structures and wind force generation of square-section building model. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019 , 188, 175-193	3.7	9
43	Simultaneous PIV measurements of fluid and particle velocity fields of a sediment-laden buoyant jet. <i>Journal of Hydro-Environment Research</i> , 2015 , 9, 314-323	2.3	9
42	Combined action of transverse oscillations and uniform cross-flow on vortex formation and pattern of a circular cylinder. <i>Journal of Fluids and Structures</i> , 2010 , 26, 703-721	3.1	9
41	Wind-induced vibration analysis of the Hong Kong Ting Kau Bridge. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2003 , 156, 263-272	0.9	9
40	Unsteady Effluent Dispersion in a Round Jet Interacting with an Oscillating Cross-Flow. <i>Journal of Hydraulic Engineering</i> , 2004 , 130, 667-677	1.8	9
39	Characteristics of wind pressures on large cantilevered roofs: effect of roof inclination. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2002 , 90, 1867-1880	3.7	9
38	Generation of wind loads on a horizontal grandstand roof of large aspect ratio. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1995 , 54-55, 345-357	3.7	9
37	Settling velocity of fine heavy particles in turbulent open channel flow. <i>Physics of Fluids</i> , 2018 , 30, 095106.4	6.4	9
36	Wake Effect of a Horizontal Axis Wind Turbine on the Performance of a Downstream Turbine. <i>Energies</i> , 2019 , 12, 2395	3.1	8
35	Two-phase velocity measurement in a particle-laden jet. <i>Journal of Hydro-Environment Research</i> , 2013 , 7, 18-29	2.3	8
34	Investigation of flow structures of a basic annular jet. <i>AIAA Journal</i> , 1986 , 24, 1488-1493	2.1	8
33	Reliability of numerical computation of pedestrian-level wind environment around a row of tall buildings. <i>Wind and Structures, an International Journal</i> , 2006 , 9, 473-492		8
32	CFD wind tunnel test: Field velocity patterns of wind on a building with a refuge floor. <i>International Journal of Computational Fluid Dynamics</i> , 2005 , 19, 531-544	1.2	7
31	Simultaneous measurement of wind velocity field and wind forces on a square tall building. <i>Advances in Structural Engineering</i> , 2018 , 21, 2241-2258	1.9	7

30	LES and Wind Tunnel Test of Flow around Two Tall Buildings in Staggered Arrangement. <i>Computation</i> , 2018 , 6, 28	2.2	6
29	Wake and wake-induced shear-layer excitation in an annular jet. <i>Physics of Fluids</i> , 1986 , 29, 3121		6
28	Effect of a through-building gap on wind-induced loading and dynamic responses of a tall building. <i>Wind and Structures, an International Journal</i> , 2012 , 15, 531-553		6
27	Effect of recessed cavities on wind-induced loading and dynamic responses of a tall building. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013 , 114, 72-82	3.7	5
26	Application of POD analysis to concentration field of a jet flow. <i>Journal of Hydro-Environment Research</i> , 2013 , 7, 174-181	2.3	5
25	Flow-induced vibration of a flexibly mounted circular cylinder in the proximity of a larger cylinder downstream. <i>Journal of Fluids and Structures</i> , 2007 , 23, 523-528	3.1	5
24	Further measurements in the initial region of an annular jet. <i>Journal of Sound and Vibration</i> , 1984 , 92, 333-348	3.9	5
23	Clustering behaviour and settling velocity of bidisperse inertial particles in turbulent open channel flow. <i>International Journal of Multiphase Flow</i> , 2020 , 129, 103303	3.6	4
22	Dynamics of interaction modes in excited annular jets. <i>Experimental Thermal and Fluid Science</i> , 1998 , 17, 319-338	3	4
21	Discussions and Closure: Round Jet in Ambient Counterflowing Stream. <i>Journal of Hydraulic Engineering</i> , 1999 , 125, 428-432	1.8	4
20	Flow structures of coaxial jet of mean velocity ratio 0.5. <i>AIAA Journal</i> , 1989 , 27, 513-514	2.1	4
19	Direct numerical simulation of bidisperse inertial particles settling in turbulent channel flow. <i>Physics of Fluids</i> , 2021 , 33, 023305	4.4	4
18	POD characterisation of extreme wake patterns of turbulent wind fields past rectangular buildings. <i>Environmental Fluid Mechanics</i> , 2019 , 19, 879-909	2.2	3
17	A CFD Study of Hong Kong Refuge Floor Design: Floor Height Effect. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2010 , 4, 425-433	4.5	3
16	Investigation of the hydrodynamic behaviour of particles and aggregates by particle image velocimetry (PIV). <i>Water Science and Technology: Water Supply</i> , 2007 , 7, 213-220	1.4	3
15	WIND TUNNEL AND CFD STUDIES ON WIND FLOW AROUND A HIGH-RISE BUILDING WITH A REFUGE FLOOR 2005 ,		3
14	A circular cylinder undergoing large-amplitude transverse oscillations in a slow uniform cross flow. <i>Journal of Fluids and Structures</i> , 2013 , 39, 408-417	3.1	2
13	Large-eddy simulation of horizontally discharging sediment-laden jets. <i>Journal of Hydro-Environment Research</i> , 2015 , 9, 388-403	2.3	2

12	Investigation of the shape change of bio-flocs and its influence on mass transport using particle image velocimetry. <i>Water Science and Technology</i> , 2014 , 69, 1648-52	2.2	2
11	Effect of the shape change on the mass transport of bio-flocs in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 544, 144-151	5.1	1
10	Wind Tunnel Study of Peak Wind Pressure on Government Towers in Wanchai during Typhoon York 1999. <i>HKIE Transactions</i> , 2006 , 13, 17-22	2.9	1
9	Two-phase flow measurement of sub-millimeter sized particles falling in water with grid-generated turbulence. <i>Journal of Hydro-Environment Research</i> , 2020 , 31, 1-13	2.3	1
8	Experimental and numerical investigation of turbulent wake flow around wall-mounted square cylinder of aspect ratio 2. <i>Experimental Thermal and Fluid Science</i> , 2021 , 123, 110325	3	1
7	Characterization of the deformable feature of bio-flocs and its impact on mass transport using laser-based imaging techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 509, 166-173	5.1	1
6	Codification of Wind-Induced Dynamic Responses of Tall Buildings. <i>HKIE Transactions</i> , 1999 , 6, 22-28	2.9	
5	State-of-the-art Wind Tunnel Modelling for Building Aerodynamics. <i>HKIE Transactions</i> , 1996 , 3, 17-26	2.9	
4	Interaction between the plenum chamber and the flow of an annular jet. <i>Journal of Sound and Vibration</i> , 1983 , 88, 282-286	3.9	
3	Wake of Elongated Low-Rise Building at Oblique Incidences. <i>Atmosphere</i> , 2021 , 12, 1579	2.7	
2	Wind-induced vibration analysis of the Hong Kong Ting Kau Bridge. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2003 , 156, 263-272	0.9	
1	Digital Simulation of Dominant Eddies of A Co-Flowing Jet 2009 , 618-623		