

# Jimmy C K Tong

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

708  
citations

759233

12  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Archival correlations for average heat transfer coefficients for non-circular and circular cylinders and for spheres in cross-flow. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 5285-5296.	4.8	145
2	Heat transfer in all pipe flow regimes: laminar, transitional/intermittent, and turbulent. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 557-563.	4.8	141
3	Geometric strategies for attainment of identical outflows through all of the exit ports of a distribution manifold in a manifold system. <i>Applied Thermal Engineering</i> , 2009, 29, 3552-3560.	6.0	93
4	Breakdown of Laminar Pipe Flow into Transitional Intermittency and Subsequent Attainment of Fully Developed Intermittent or Turbulent Flow. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2008, 54, 103-115.	0.9	62
5	Fluid Flow in a System with Separate Laminar and Turbulent Zones. <i>Numerical Heat Transfer; Part A: Applications</i> , 2008, 53, 341-353.	2.1	42
6	Numerical Simulation of the Urine Flow in a Stented Ureter. <i>Journal of Biomechanical Engineering</i> , 2007, 129, 187-192.	1.3	33
7	Airborne Bacteria in Outdoor Air and Air of Mechanically Ventilated Buildings at City Scale in Hong Kong across Seasons. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11732-11743.	10.0	25
8	Automatic relative humidity optimization in underground heritage sites through ventilation system based on digital twins. <i>Building and Environment</i> , 2022, 216, 108999.	6.9	22
9	A new archive of heat transfer coefficients from square and chamfered cylinders at angles of attack in crossflow. <i>International Journal of Thermal Sciences</i> , 2016, 105, 218-223.	4.9	17
10	Attainment of Flowrate Uniformity in the Channels That Link a Distribution Manifold to a Collection Manifold. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2007, 129, 1186-1192.	1.5	16
11	Sensitivity analysis of influence factors on multi-zone indoor airflow CFD simulation. <i>Science of the Total Environment</i> , 2021, 761, 143298.	8.0	13
12	Multi-zone indoor CFD under limited information: An approach coupling solar analysis and BIM for improved accuracy. <i>Journal of Cleaner Production</i> , 2020, 244, 118912.	9.3	12
13	Light pollution spatial impact assessment in Hong Kong: Measurement and numerical modelling on commercial lights at street level. <i>Science of the Total Environment</i> , 2022, 837, 155681.	8.0	12
14	Airborne bacterial assemblage in a zero carbon building: A case study. <i>Indoor Air</i> , 2018, 28, 40-50.	4.3	11
15	Profiling Airborne Microbiota in Mechanically Ventilated Buildings Across Seasons in Hong Kong Reveals Higher Metabolic Activity in Low-Abundance Bacteria. <i>Environmental Science &amp; Technology</i> , 2021, 55, 249-259.	10.0	11
16	A Quasi-Analytical Method for Fluid Flow in a Multi-Inlet Collection Manifold. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2007, 129, 579-586.	1.5	10
17	Heat and mass transfer characteristics of a rotating regenerative total energy wheel. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 1631-1636.	4.8	9
18	An experimental investigation of a mass exchanger for transferring water vapor and inhibiting the transfer of other gases. <i>International Journal of Heat and Mass Transfer</i> , 2001, 44, 4313-4321.	4.8	8

#	ARTICLE	IF	CITATIONS
19	Unified Treatment of Natural Convection in Tall Narrow and Flat Wide Rectangular Enclosures. Numerical Heat Transfer; Part A: Applications, 2008, 54, 763-776.	2.1	7
20	Impact of shaft design to thermal comfort and indoor air quality of floors using BIM technology. Journal of Building Engineering, 2022, 51, 104326.	3.4	7
21	Development of thermal evaluation tool for detached houses in Mongolia. Energy and Buildings, 2018, 173, 81-90.	6.7	6
22	Using corner chamfers to reduce the drag of flat-sided columns. Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics, 2015, 168, 79-88.	0.4	4
23	Exposure to Particles and Gases in a Shopping Mall: Spatial Heterogeneity and Outdoor Infiltration. Atmosphere, 2021, 12, 1313.	2.3	2
24	Development of outdoor pollution free zone by fan-assisted devices. HKIE Transactions, 2018, 25, 220-228.	0.1	0
25	Correlation between simulations and measurements of an eco-house design for Mongolia. Journal of Building Engineering, 2021, 42, 102774.	3.4	0