

Hee Joo Poh

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

557
citations

759233

12
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

554
citing authors

#	ARTICLE	IF	CITATIONS
1	Turbulent impinging jet heat transfer enhancement due to intermittent pulsation. International Journal of Thermal Sciences, 2010, 49, 1247-1252.	4.9	104
2	Optimization of assembly clamping pressure on performance of proton-exchange membrane fuel cells. Journal of Power Sources, 2010, 195, 62-68.	7.8	75
3	Heat transfer from a pulsed laminar impinging jet. International Communications in Heat and Mass Transfer, 2005, 32, 1317-1324.	5.6	50
4	Predicting shot peening coverage using multiphase computational fluid dynamics simulations. Powder Technology, 2014, 256, 100-112.	4.2	47
5	Changes of Airflow Pattern in Inferior Turbinate Hypertrophy: A Computational Fluid Dynamics Model. American Journal of Rhinology and Allergy, 2009, 23, 153-158.	2.0	43
6	Hepatocyte function within a stacked double sandwich culture plate cylindrical bioreactor for bioartificial liver system. Biomaterials, 2012, 33, 7925-7932.	11.4	34
7	Heat transfer under a pulsed slot turbulent impinging jet at large temperature differences. Thermal Science, 2010, 14, 271-281.	1.1	34
8	Heat transfer from a laminar impinging: jet of a power law fluid. International Communications in Heat and Mass Transfer, 2004, 31, 241-249.	5.6	27
9	3D traffic noise mapping using unstructured surface mesh representation of buildings and roads. Applied Acoustics, 2017, 127, 297-304.	3.3	27
10	Effects of minor changes in the mean inlet wind direction on urban flow simulations. Sustainable Cities and Society, 2018, 37, 492-500.	10.4	26
11	CFD assessment on particulate matter filters performance in urban areas. Sustainable Cities and Society, 2019, 46, 101376.	10.4	20
12	Geometry optimization for proton-exchange membrane fuel cells with sequential quadratic programming method. Journal of Power Sources, 2009, 186, 10-21.	7.8	16
13	Wind load prediction on single tree with integrated approach of L-system fractal model, wind tunnel, and tree aerodynamic simulation. AIP Advances, 2020, 10, .	1.3	9
14	CFD Methodology Development for Singapore Green Mark Building Application. Procedia Engineering, 2017, 180, 1596-1602.	1.2	8
15	Wind Loading on Scaled Down Fractal Tree Models of Major Urban Tree Species in Singapore. Forests, 2020, 11, 803.	2.1	8
16	Porous media representation of louvers in building simulations for natural ventilation. Journal of Building Performance Simulation, 2019, 12, 494-503.	2.0	7
17	Assessing effectiveness of physical barriers against wind-driven rain for different raindrop sizes. Engineering Analysis With Boundary Elements, 2020, 111, 186-194.	3.7	5
18	Determination of Optimal Parameters for Wind Driven Rain CFD Simulation for Building Design in the Tropics. Procedia Engineering, 2017, 180, 1345-1354.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Experimental study of wind load on tree using scaled fractal tree model. International Journal of Modern Physics B, 2020, 34, 2040087.	2.0	4
20	Development of an improved divergence-free condition compensated coupled framework to solve flow problems with time-varying geometries. International Journal for Numerical Methods in Fluids, 2021, 93, 44-70.	1.6	4
21	CFD-driven optimization of air supplies deployment in an air-conditioned office. IOP Conference Series: Earth and Environmental Science, 0, 238, 012054.	0.3	2
22	Airflow Modelling Software Development for Natural Ventilation Design - Green Building Environment Simulation Technology. IOP Conference Series: Earth and Environmental Science, 0, 238, 012077.	0.3	1
23	Development of GM2015 Computational Fluid Dynamics (CFD) Methodology for Naturally-ventilated Non-residential Buildings (NRB) in Singapore. IOP Conference Series: Earth and Environmental Science, 2019, 238, 012079.	0.3	1
24	CFD Simulation of Chemical Gas Dispersion Under Atmospheric Boundary Conditions. International Journal of Computational Methods, 2020, 17, 1940011.	1.3	1
25	Geometry Optimization for Self-Breathing PEMFC With Sequential Quadratic Programming Method. , 2008, , .		0
26	Enhanced Performance With an Impinging Jet Flow Configuration for PEMFC. , 2009, , .		0