

Zaki, Sa

List of Publications by Year in descending order

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96
papers

2,215
citations

393982

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docs citations

96
times ranked

2105
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on phase change material (PCM) for sustainable passive cooling in building envelopes. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 1470-1497.	8.2	706
2	Field study on adaptive thermal comfort in office buildings in Malaysia, Indonesia, Singapore, and Japan during hot and humid season. <i>Building and Environment</i> , 2016, 109, 208-223.	3.0	186
3	A review on windcatcher for passive cooling and natural ventilation in buildings, Part 1: Indoor air quality and thermal comfort assessment. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 736-756.	8.2	151
4	Thermal comfort and occupant adaptive behaviour in Japanese university buildings with free running and cooling mode offices during summer. <i>Building and Environment</i> , 2016, 105, 332-342.	3.0	124
5	Adaptive thermal comfort in university classrooms in Malaysia and Japan. <i>Building and Environment</i> , 2017, 122, 294-306.	3.0	119
6	Aerodynamic Parameters of Urban Building Arrays with Random Geometries. <i>Boundary-Layer Meteorology</i> , 2011, 138, 99-120.	1.2	77
7	Investigation of comfort temperature and thermal adaptation for patients and visitors in Malaysian hospitals. <i>Energy and Buildings</i> , 2019, 183, 484-499.	3.1	65
8	Experimental study of wind-induced ventilation in urban building of cube arrays with various layouts. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2012, 103, 31-40.	1.7	42
9	Modeling of the in-pipe inspection robot: A comprehensive review. <i>Ocean Engineering</i> , 2020, 203, 107206.	1.9	41
10	Bamboo-Fiber-Reinforced Thermoset and Thermoplastic Polymer Composites: A Review of Properties, Fabrication, and Potential Applications. <i>Polymers</i> , 2022, 14, 1387.	2.0	37
11	Mechanical properties of bamboo reinforced epoxy sandwich structure composites. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015, 12, 2882-2892.	0.5	36
12	Affordable retrofitting methods to achieve thermal comfort for a terrace house in Malaysia with a hot-humid climate. <i>Energy and Buildings</i> , 2020, 223, 110072.	3.1	32
13	Effects of Roadside Trees and Road Orientation on Thermal Environment in a Tropical City. <i>Sustainability</i> , 2020, 12, 1053.	1.6	29
14	Development of a model for generating air-conditioner operation schedules in Malaysia. <i>Building and Environment</i> , 2017, 122, 354-362.	3.0	28
15	Effectiveness of free running passive cooling strategies for indoor thermal environments: Example from a two-storey corner terrace house in Malaysia. <i>Building and Environment</i> , 2019, 160, 106214.	3.0	27
16	Selective recovery of lanthanides, uranium and thorium from Rosetta monazite mineral concentrate. <i>Separation Science and Technology</i> , 2018, 53, 1522-1530.	1.3	26
17	Dynamic Mechanical Properties and Thermal Properties of Longitudinal Basalt/Woven Glass Fiber Reinforced Unsaturated Polyester Hybrid Composites. <i>Polymers</i> , 2021, 13, 3343.	2.0	23
18	Determinant Factors of Electricity Consumption for a Malaysian Household Based on a Field Survey. <i>Sustainability</i> , 2021, 13, 818.	1.6	22

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19	Effects of Urban Morphology on Microclimate Parameters in an Urban University Campus. Sustainability, 2020, 12, 2962.	1.6	21
20	Flow-induced vibration of a square cylinder and downstream flat plate associated with micro-scale energy harvester. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 175, 264-282.	1.7	20
21	Computational Study on the Influence of Different Opening Position on Wind-induced Natural Ventilation in Urban Building of Cubical Array. Procedia Engineering, 2016, 169, 256-263.	1.2	18
22	Characteristics of Turbulent Coherent Structures in Atmospheric Flow Under Different Shear Buoyancy Conditions. Boundary-Layer Meteorology, 2019, 173, 115-141.	1.2	18
23	Physicomechanical Properties of Rice Husk/Coco Peat Reinforced Acrylonitrile Butadiene Styrene Blend Composites. Polymers, 2021, 13, 1171.	2.0	18
24	Seismic vibration suppression of a building with an adaptive nonsingular terminal sliding mode control. JVC/Journal of Vibration and Control, 2020, 26, 2136-2147.	1.5	17
25	Geometric Dependence of the Scalar Transfer Efficiency over Rough Surfaces. Boundary-Layer Meteorology, 2012, 143, 357-377.	1.2	15
26	Determination of aerodynamic parameters of urban surfaces: methods and results revisited. Theoretical and Applied Climatology, 2015, 122, 635-649.	1.3	15
27	Field study of pedestrians' comfort temperatures under outdoor and semi-outdoor conditions in Malaysian university campuses. International Journal of Biometeorology, 2021, 65, 453-477.	1.3	15
28	Analysis of Urban Morphological Effect on the Microclimate of the Urban Residential Area of Kampung Baru in Kuala Lumpur Using a Geospatial Approach. Sustainability, 2020, 12, 7301.	1.6	14
29	Time-Dependent Integration of Solar Thermal Technology in Industrial Processes. Sustainability, 2020, 12, 2322.	1.6	14
30	Analysis on electricity use and indoor thermal environment for typical air-conditioning residential buildings in Malaysia. Urban Climate, 2021, 37, 100830.	2.4	14
31	Design of Photovoltaic-Thermoelectric Generator (PV-TEG) Hybrid System for Precision Agriculture. , 2018, , .		12
32	Performance Evaluation of Unconcentrated Photovoltaic-Thermoelectric Generator Hybrid System under Tropical Climate. Sustainability, 2019, 11, 6192.	1.6	12
33	Characteristics of wind speed during rainfall event in the tropical urban city. Urban Climate, 2020, 32, 100620.	2.4	12
34	A new semi-empirical model for estimating the drag coefficient of the vertical random staggered arrays using LES. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 180, 191-200.	1.7	11
35	Ocean thermal energy conversion: The promise of a clean future. , 2013, , .		10
36	Progress in Wind Environment and Outdoor Air Ventilation at Pedestrian Level in Urban Area. Applied Mechanics and Materials, 0, 819, 236-240.	0.2	10

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37	Downstream flat plate as the flow-induced vibration enhancer for energy harvesting. JVC/Journal of Vibration and Control, 2018, 24, 3555-3568.	1.5	10
38	Assessment of Outdoor Air Temperature with Different Shaded Area within an Urban University Campus in Hot-Humid Climate. Sustainability, 2020, 12, 5741.	1.6	9
39	Aeolian Tones Radiated from Flow Over Bluff Bodies. The Open Mechanical Engineering Journal, 2013, 7, 48-57.	0.3	9
40	Associating thermal comfort and preference in Malaysian universities' air-conditioned office rooms under various set-point temperatures. Journal of Building Engineering, 2022, 54, 104575.	1.6	9
41	Large Eddy Simulation of Wind Pressure Distribution on Heterogeneous Buildings in Idealised Urban Models. Energy Procedia, 2015, 78, 3055-3060.	1.8	8
42	Modulation of the atmospheric turbulence coherent structures by mesoscale motions. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	8
43	Comprehensive Energy Consumption of Elevator Systems Based on Hybrid Approach of Measurement and Calculation in Low- and High-Rise Buildings of Tropical Climate towards Energy Efficiency. Sustainability, 2022, 14, 4779.	1.6	8
44	Enhancing vehicle ride comfort through intelligent based control. , 2016, , .		7
45	Three-dimensional structure of longitudinal vortices shedding from cruciform two-cylinder systems with different geometries. Journal of Visualization, 2017, 20, 753-763.	1.1	7
46	Effect of crosswinds on aerodynamic characteristics around a generic train model. International Journal of Rail Transportation, 2019, 7, 23-54.	1.8	7
47	Effectiveness of a Cool Bed Linen for Thermal Comfort and Sleep Quality in Air-Conditioned Bedroom under Hot-Humid Climate. Sustainability, 2021, 13, 9099.	1.6	7
48	Experimental investigation on vortex-induced vibration and galloping of rectangular cylinders of varying side ratios with a downstream square plate. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 211, 104563.	1.7	6
49	Wind-tunnel estimation of mean and turbulent wind speeds within canopy layer for urban campus. Urban Climate, 2022, 41, 101064.	2.4	6
50	Mean Wind Flow Field around Idealized Block Arrays with Various Aspect Ratios. Applied Mechanics and Materials, 2013, 393, 767-773.	0.2	5
51	Computational investigations and grid refinement study of 3D transient flow in a cylindrical tank using OpenFOAM. IOP Conference Series: Materials Science and Engineering, 2016, 152, 012058.	0.3	5
52	Mesh size refining for a simulation of flow around a generic train model. Wind and Structures, an International Journal, 2017, 24, 223-247.	0.8	5
53	Investigation of the PMV and TSV Models of Thermal Comfort in Air-Conditioned University Classrooms in Malaysia. Applied Mechanics and Materials, 0, 819, 207-211.	0.2	4
54	Numerical simulation of the effects of secondary roughness in the form of extension to arrays of terraced houses on pedestrian wind. Science and Technology for the Built Environment, 2020, 26, 928-940.	0.8	4

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55	Statistical analysis of air-conditioning and total load diversity in typical residential buildings. Bulletin of Electrical Engineering and Informatics, 2021, 10, 1-9.	0.6	4
56	Short-Term Measurements of Household Electricity Demand During Hot Weather in Kuala Lumpur. International Journal of Electrical and Computer Engineering, 2017, 7, 1436.	0.5	4
57	A Verification and Validation Study of CFD Simulation of Wind-Induced Ventilation on Building with Single-Sided Opening. Applied Mechanics and Materials, 0, 554, 696-700.	0.2	3
58	Large eddy simulation of natural ventilation for idealized terrace houses due to the effect of setback distance. IOP Conference Series: Materials Science and Engineering, 2015, 88, 012009.	0.3	3
59	Numerical Simulation of Liquids Draining From a Tank Using OpenFOAM. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012152.	0.3	3
60	Temporal evolution of lift in a pure cruciform system for energy harvesting. Ocean Engineering, 2021, 223, 108648.	1.9	3
61	Conceptual Framework of Modelling for Malaysian Household Electrical Energy Consumption using Artificial Neural Network based on Techno-Socio Economic Approach. International Journal of Electrical and Computer Engineering, 2018, 8, 1844.	0.5	3
62	Performance Comparison of Controllers for Suppressing the Structural Building Vibration. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 10, 537.	0.7	3
63	MODELLING PERFORMANCE OF OCEAN-THERMAL ENERGY CONVERSION CYCLE ACCORDING TO DIFFERENT WORKING FLUIDS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	2
64	Prevalence and risk factors for respiratory symptoms among children at child care centers in Malaysia. Science and Technology for the Built Environment, 2021, 27, 129-138.	0.8	2
65	Turbulence Effect of Urban-Canopy Flow on Indoor Velocity Fields under Sheltered and Cross-Ventilation Conditions. Sustainability, 2021, 13, 586.	1.6	2
66	Time series data measurement on electricity consumption for selected domestic appliances in typical terrace house of Malaysia. Bulletin of Electrical Engineering and Informatics, 2019, 8, 1144-1153.	0.6	2
67	Load and Household Profiles Analysis for Air-Conditioning and Total Electricity in Malaysia. KnE Social Sciences, 0, , .	0.1	2
68	Energy Consumption Clustering Analysis in Residential Building. Lecture Notes in Mechanical Engineering, 2020, , 436-450.	0.3	2
69	Development of an Electrical Energy Consumption Model for Malaysian Households, Based on Techno-Socioeconomic Determinant Factors. Sustainability, 2021, 13, 13258.	1.6	2
70	INVESTIGATION OF SURFACE ROUGHNESS IMPACT ON MEAN WIND FLOW USING RNG $k-\mu$ MODEL. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
71	Numerical simulation of flow around a simplified high-speed train model using OpenFOAM. IOP Conference Series: Materials Science and Engineering, 2016, 152, 012047.	0.3	1
72	Sustainability or Bust: Malaysian Home Buyersâ€™ Stated Preferences for Sustainable Housing. MATEC Web of Conferences, 2016, 68, 13001.	0.1	1

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73	Efficiency of brushed and brushless electronic speed control systems and Lithium batteries. , 2017, , .		1
74	Analysis of Implementation Control Device in Hybrid Mass Damper System. , 2018, , .		1
75	Enhancing Ride Comfort of Quarter Car Semi-active Suspension System Through State-Feedback Controller. , 2018, , 827-837.		1
76	Statistical analysis of air conditioning peak loads of multiple dwellings. E3S Web of Conferences, 2019, 111, 04057.	0.2	1
77	Seismic Control of a Building Structure Equip with Hybrid Mass Damper Using Sliding Mode Control. Lecture Notes in Mechanical Engineering, 2020, , 146-156.	0.3	1
78	Field study of the Occupant's Thermal Preferences for Cooling in Living Rooms Based on Different Set Point Temperatures. IOP Conference Series: Materials Science and Engineering, 2021, 1051, 012073.	0.3	1
79	In-situ Measurement of Pedestrian Outdoor Thermal Comfort in Universities Campus of Malaysia. KnE Social Sciences, 0, , .	0.1	1
80	ANALYSIS OF PEDESTRIAN-LEVEL WIND VELOCITY IN FOUR NEIGHBOURHOODS IN KLANG VALLEY. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.3	1
81	CONCEPT STUDY OF MICROGRID DISPATCH STRATEGY FOR SOLAR THERMAL POWER PLANT WITH THERMAL STORAGE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
82	DESIGN AND FABRICATION OF FIV APPARATUS FOR CLASSROOM LECTURE DEMONSTRATION. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
83	Energy Balance Analysis and Turbulence Profile of a Darrieus-type Vertical Axis Wind Turbine. Journal of Physical Science, 2019, 30, 47-70.	0.5	1
84	Numerical Simulation of Noise Radiated from a Blunt Trailing Edge. Applied Mechanics and Materials, 0, 629, 3-8.	0.2	0
85	A Validation Study for CFD Simulation of a Simplified Urban Model. Applied Mechanics and Materials, 0, 548-549, 1795-1799.	0.2	0
86	Study of Wake Profiles of a Simplified Model of High Speed Train Using RANS and LES Turbulent Models. Applied Mechanics and Materials, 0, 629, 426-430.	0.2	0
87	A Numerical Analysis of Wind Flow within and above Idealised Modified Terraced House Canyon in Malaysia. Procedia Engineering, 2016, 169, 289-296.	1.2	0
88	Q-switched Thulium-doped fiber laser using nitrogen-doped graphene in linear and ring cavity. , 2016, , .		0
89	Numerical estimation of natural ventilation of cubical urban arrays with different packing density. MATEC Web of Conferences, 2017, 111, 01008.	0.1	0
90	Enhancing the stabilization of aircraft pitch motion control via intelligent and classical method. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012008.	0.3	0

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91	NUMERICAL STUDY ON AIR-CORE VORTEX INSIDE DRAINING TANK USING DIFFERENT COMPUTATIONAL MODELLING APPROACHES. Jurnal Teknologi (Sciences and Engineering), 2018, 81, .	0.3	0
92	Benchmark on the Dynamics of Liquid Draining Inside a Tank. E3S Web of Conferences, 2019, 95, 02009.	0.2	0
93	Active Control of a Pantograph Mechanism for High Speed Rail System. , 2019, , .		0
94	Procedures for Verification of Instruments for Thermal Environment Measurement. IOP Conference Series: Materials Science and Engineering, 2021, 1051, 012076.	0.3	0
95	DEVELOPMENT OF ROBUST VELOCIMETER FOR NATURAL WATER FLOW MONITORING. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	0
96	Thulium-Doped Fiber Amplifier at Near 2000 nm with Different Pumping Scheme. Advanced Science Letters, 2017, 23, 5260-5263.	0.2	0