

# Fitri Yakub

## List of Publications by Year in descending order

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63  
papers

617  
citations

687363

13  
h-index

677142

22  
g-index

67  
all docs

67  
docs citations

67  
times ranked

597  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of autonomous path-following vehicle control via model predictive control and linear quadratic control. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 1695-1714.	1.9	78
2	Investigation of comfort temperature and thermal adaptation for patients and visitors in Malaysian hospitals. Energy and Buildings, 2019, 183, 484-499.	6.7	65
3	Recent trends for practical rehabilitation robotics, current challenges and the future. International Journal of Rehabilitation Research, 2014, 37, 9-21.	1.3	57
4	Study of Model Predictive Control for Path-Following Autonomous Ground Vehicle Control under Crosswind Effect. Journal of Control Science and Engineering, 2016, 2016, 1-18.	1.0	34
5	Affordable retrofitting methods to achieve thermal comfort for a terrace house in Malaysia with a hot-humid climate. Energy and Buildings, 2020, 223, 110072.	6.7	32
6	Comparative study of MPC and LQC with disturbance rejection control for heavy vehicle rollover prevention in an inclement environment. Journal of Mechanical Science and Technology, 2016, 30, 3835-3845.	1.5	30
7	Effects of Roadside Trees and Road Orientation on Thermal Environment in a Tropical City. Sustainability, 2020, 12, 1053.	3.2	29
8	Effectiveness of free running passive cooling strategies for indoor thermal environments: Example from a two-storey corner terrace house in Malaysia. Building and Environment, 2019, 160, 106214.	6.9	27
9	Determinant Factors of Electricity Consumption for a Malaysian Household Based on a Field Survey. Sustainability, 2021, 13, 818.	3.2	22
10	Effects of Urban Morphology on Microclimate Parameters in an Urban University Campus. Sustainability, 2020, 12, 2962.	3.2	21
11	Seismic vibration suppression of a building with an adaptive nonsingular terminal sliding mode control. JVC/Journal of Vibration and Control, 2020, 26, 2136-2147.	2.6	17
12	A Survey of Localization using RSSI and TDoA Techniques in Wireless Sensor Network: System Architecture. , 2018, , .		15
13	Control analysis of vehicle ride comfort through integrated control devices on the quarter and half car active suspension systems. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 1256-1268.	1.9	15
14	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.	3.2	14
15	Analysis on electricity use and indoor thermal environment for typical air-conditioning residential buildings in Malaysia. Urban Climate, 2021, 37, 100830.	5.7	14
16	Rollover prevention with Predictive Control of differential braking and rear wheel steering. , 2013, , .		13
17	Enhancing Path Following Control Performance of Autonomous Ground Vehicle through Coordinated Approach under Disturbance Effect. IEEE Transactions on Electronics, Information and Systems, 2015, 135, 102-110.	0.2	13
18	Assessment of Outdoor Air Temperature with Different Shaded Area within an Urban University Campus in Hot-Humid Climate. Sustainability, 2020, 12, 5741.	3.2	9

#	ARTICLE	IF	CITATIONS
19	Improved NCTF control method for a two mass point-to-point positioning system. , 2010, , .		8
20	Enhancing vehicle ride comfort through intelligent based control. , 2016, , .		7
21	Enhancing the yaw stability and the manoeuvrability of a heavy vehicle in difficult scenarios by an emergency threat avoidance manoeuvre. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2017, 231, 615-637.	1.9	7
22	Effect of crosswinds on aerodynamic characteristics around a generic train model. International Journal of Rail Transportation, 2019, 7, 23-54.	2.7	7
23	Effectiveness of a Cool Bed Linen for Thermal Comfort and Sleep Quality in Air-Conditioned Bedroom under Hot-Humid Climate. Sustainability, 2021, 13, 9099.	3.2	7
24	Vibration control of two-mass rotary system using improved NCTF controller for positioning systems. , 2010, , .		5
25	Heavy vehicle stability and rollover prevention through switching model predictive control. , 2015, , .		5
26	Explicit controller of a single truck stability and rollover mitigation. Journal of Mechanical Science and Technology, 2018, 32, 4373-4381.	1.5	5
27	Statistical analysis of air-conditioning and total load diversity in typical residential buildings. Bulletin of Electrical Engineering and Informatics, 2021, 10, 1-9.	0.8	4
28	Short-Term Measurements of Household Electricity Demand During Hot Weather in Kuala Lumpur. International Journal of Electrical and Computer Engineering, 2017, 7, 1436.	0.7	4
29	Improvement of Pitch Motion Control of an Aircraft Systems. Telkomnika (Telecommunication) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	0.8	4
30	Performance improvement of improved practical control method for two-mass PTP positioning systems in the presence of actuator saturation. , 2011, , .		3
31	Effects of roll dynamics for car stability control by laguerre functions. , 2013, , .		3
32	Considering an elastic scaling model for cloud Security. , 2013, , .		3
33	Ride comfort quality improvement for a quarter car semi-active suspension system via state-feedback controller. , 2017, , .		3
34	Full Control of Quadrotor Unmanned Aerial Vehicle using Multivariable Proportional Integral Derivative Controller. , 2019, , .		3
35	The parametric instability improvement of fully anisotropic composite plates with embedded shape memory alloy. Advanced Composites Letters, 2020, 29, 2633366X1989940.	1.3	3
36	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.	0.7	3

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37	Performance Comparison of Controllers for Suppressing the Structural Building Vibration. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 10, 537.	0.8	3
38	Performance evaluation of improved practical control method for two-mass PTP positioning systems. , 2010, , .		2
39	The Integration of Aerial Sensing and Geophysical Techniques to Identify Buried Archaeological Properties in Sungai Batu, Bujang Valley. IOP Conference Series: Earth and Environmental Science, 2020, 540, 012013.	0.3	2
40	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.	0.8	2
41	Energy Consumption Clustering Analysis in Residential Building. Lecture Notes in Mechanical Engineering, 2020, , 436-450.	0.4	2
42	Development of an Electrical Energy Consumption Model for Malaysian Households, Based on Techno-Socioeconomic Determinant Factors. Sustainability, 2021, 13, 13258.	3.2	2
43	Autonomous car in path following control under side wind effect by laguerre function. , 2013, , .		1
44	Model predictive control based on Kautz function for autonomous ground vehicle path following control application. , 2014, , .		1
45	Enhancing Rollover Prevention and Vehicle Stability of Heavy Vehicle under Disturbance Effect. Applied Mechanics and Materials, 0, 695, 596-600.	0.2	1
46	The effect of changing disk parameters on whirling frequency of high speed rotor system. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012031.	0.6	1
47	Analysis of Implementation Control Device in Hybrid Mass Damper System. , 2018, , .		1
48	Improvement on Ride Comfort of Quarter-Car Active Suspension System Using Linear Quadratic Regulator. , 2018, , 431-441.		1
49	Enhancing Ride Comfort of Quarter Car Semi-active Suspension System Through State-Feedback Controller. , 2018, , 827-837.		1
50	Seismic Control of a Building Structure Equip with Hybrid Mass Damper Using Sliding Mode Control. Lecture Notes in Mechanical Engineering, 2020, , 146-156.	0.4	1
51	A Comparative Assessment for the Archaeological Features Detection Using an Integration of Aerial Remote Sensing and Electrical Resistivity in Sungai Batu, Bujang Valley. Journal of the Indian Society of Remote Sensing, 2021, 49, 2959.	2.4	1
52	Practical Control for Two-Mass Positioning Systems in Presence of Saturation. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, 91.	0.8	1
53	Design, analysis and fabrication of utm hydraulic ram pump for water supply in remote areas. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 17, 213.	0.8	1
54	Study review on nominal characteristic trajectory following controller for point-to-point positioning systems. , 2012, , .		0

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55	Classical and intelligent based control method for positioning systems. , 2015, , .		0
56	Numerical estimation of natural ventilation of cubical urban arrays with different packing density. MATEC Web of Conferences, 2017, 111, 01008.	0.2	0
57	Enhancing the stabilization of aircraft pitch motion control via intelligent and classical method. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012008.	0.6	0
58	Enhancing of nominal characteristic trajectory following control for motion systems. Journal of Systems Engineering and Electronics, 2017, 28, 1221.	2.2	0
59	Vehicle High Speed Stability Analysis through Integrated Control. , 2018, , .		0
60	Active Control of a Pantograph Mechanism for High Speed Rail System. , 2019, , .		0
61	Practical Control for Two-Mass Positioning Systems in Presence of Saturation. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2012, 10, .	0.1	0
62	Analysis of controllers in suppressing the structural building vibration. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 112-116.	0.8	0
63	Gain Scheduling Model Predictive Path Tracking Controller for Autonomous Vehicle on Highway Scenario. Lecture Notes in Mechanical Engineering, 2020, , 461-473.	0.4	0