

Mahmod Othman

List of Publications by Year in descending order

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46
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412
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on the Important Key Properties of Mathematical Models Describing Photovoltaic/Thermal (PV/T) Solar Collectors System. <i>Studies in Systems, Decision and Control</i> , 2022, , 149-156.	0.8	0
2	Bayesian Information Criterion for Fitting the Optimum Order of Markov Chain Models: Methodology and Application to Air Pollution Data. <i>Mathematics</i> , 2022, 10, 2280.	1.1	2
3	PV/T solar collector performance evaluation: generation of fuzzy rules by using weighted subethood-based algorithm. <i>Journal of Physics: Conference Series</i> , 2021, 1943, 012025.	0.3	0
4	Application of Choquet Integral-Fuzzy Measures for Aggregating Customersâ€™ Satisfaction. <i>Advances in Fuzzy Systems</i> , 2021, 2021, 1-8.	0.6	4
5	A Novel Stochastic Fuzzy Time Series Forecasting Model Based on a New Partition Method. <i>IEEE Access</i> , 2021, 9, 80236-80252.	2.6	13
6	Choquet Integral Under Pythagorean Fuzzy Environment and Their Application in Decision Making. , 2021, , 193-208.		0
7	Nature-Inspired Metaheuristic Techniques for Combinatorial Optimization Problems: Overview and Recent Advances. <i>Mathematics</i> , 2021, 9, 2633.	1.1	22
8	Remote Monitoring of River Water Pollution Using Multiple Sensor System of WSNs and IoT. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 99-113.	0.5	2
9	A new hybrid fuzzy time series model with an application to predict PM10 concentration. <i>Ecotoxicology and Environmental Safety</i> , 2021, 227, 112875.	2.9	15
10	Water Pollution Source Identification Based on Real- Time Monitoring System in Siak River. , 2021, , .		0
11	Developing a causal relationship among factors of e-commerce: A decision making approach. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2020, 32, 1194-1201.	2.7	21
12	Application of interval valued intuitionistic fuzzy TOPSIS for flood management. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 873-881.	0.8	21
13	A Normalized Weighted Bonferroni Mean Aggregation Operator Considering Shapley Fuzzy Measure Under Interval-valued Neutrosophic Environment for Decision-Making. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 321-336.	2.3	10
14	Predicting Daily Air Pollution Index Based on Fuzzy Time Series Markov Chain Model. <i>Symmetry</i> , 2020, 12, 293.	1.1	21
15	Modelling of a Single Passage Air PV/T Solar Collector: Experimental and Simulation Design. <i>Processes</i> , 2020, 8, 763.	1.3	8
16	A Novel Fuzzy Linear Regression Sliding Window GARCH Model for Time-Series Forecasting. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1949.	1.3	8
17	Markov Weighted Fuzzy Time-Series Model Based on an Optimum Partition Method for Forecasting Air Pollution. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 1468-1486.	2.3	24
18	Positivity preserving interpolation by using rational quartic spline. <i>AIMS Mathematics</i> , 2020, 5, 3762-3782.	0.7	9

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19	Smart Sensor Node of WSNs for River Water Pollution Monitoring System. , 2019, , .		14
20	Mathematical Modelling and Simulation of the Performance of PV/T Air Solar Collector. Journal of Physics: Conference Series, 2019, 1366, 012017.	0.3	1
21	Type 2 Fuzzy Inference-Based Time Series Model. Symmetry, 2019, 11, 1340.	1.1	3
22	Markov Chain Model Development for Forecasting Air Pollution Index of Miri, Sarawak. Sustainability, 2019, 11, 5190.	1.6	28
23	Image Segmentation of Nucleus Breast Cancer using Digital Image Processing. , 2019, , .		0
24	A Comparative Review on Various Method of Forecasting Crude Palm Oil Prices. Journal of Physics: Conference Series, 2018, 1123, 012043.	0.3	3
25	Developed A Hybrid Sliding Window and GARCH Model for Forecasting of Crude Palm Oil Prices in Malaysia. Journal of Physics: Conference Series, 2018, 1123, 012029.	0.3	4
26	Forecasting Crude Palm Oil Prices Using Fuzzy Rule-Based Time Series Method. IEEE Access, 2018, 6, 32216-32224.	2.6	21
27	The effect of interval length in weighted subsethood fuzzy time series. AIP Conference Proceedings, 2018, , .	0.3	0
28	Forecasting Solar Radiation Data Using Gaussian and Polynomial Fitting Methods. SpringerBriefs in Energy, 2018, , 11-24.	0.2	1
29	Multivariate Matrix for Fuzzy Linear Regression Model to Analyse The Taxation in Malaysia. International Journal of Engineering and Technology(UAE), 2018, 7, 78.	0.2	9
30	Bi-fluid Photovoltaic/Thermal PV/T Solar Collector with Three Modes of Operation: Experimental Validation of a Theoretical Model. , 2017, , 445-464.		5
31	SWGARCH model for time series forecasting. , 2017, , .		1
32	Performance Analysis and Parametric Studies of a Bi-fluid Type Photovoltaic/Thermal (PV/T) Solar Collector in Simultaneous Mode Under Tropical Climate Conditions. , 2017, , 429-444.		3
33	Fuzzy Reasoning Based Time Series Forecasting Using Weighted Subsethood Model. Advanced Science Letters, 2017, 23, 9094-9097.	0.2	2
34	The framework of weighted subset-hood Mamdani fuzzy rule based system rule extraction (MFRBS-WSBA) for forecasting electricity load demand. AIP Conference Proceedings, 2016, , .	0.3	2
35	Investigation on the Thermal Characteristics of a Bi-fluid-Type Hybrid Photovoltaic/Thermal (PV/T) Solar Collector. , 2016, , 973-982.		3
36	Bi-fluid photovoltaic/thermal (PV/T) solar collector: Experimental validation of a 2-D theoretical model. Renewable Energy, 2016, 85, 1052-1067.	4.3	113

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37	THE FUSION OF EDGE DETECTION AND MATHEMATICAL MORPHOLOGY ALGORITHM FOR SHAPE BOUNDARY RECOGNITION. Journal of Information and Communication Technology, 2016, 15, 133-144.	0.3	5
38	DESEASONALISED FORECASTING MODEL OF RAINFALL DISTRIBUTION USING FUZZY TIME SERIES. Journal of Information and Communication Technology, 2016, 15, .	0.3	1
39	Automated mango fruit assessment using fuzzy logic approach. AIP Conference Proceedings, 2014, , .	0.3	2
40	Design concept and mathematical model of a bi-fluid photovoltaic/thermal (PV/T) solar collector. Renewable Energy, 2014, 67, 153-164.	4.3	84
41	Fourth order solutions of singularly perturbed boundary value problems by quarter-sweep iteration. , 2013, , .		0
42	Mathematical modelling of a finned bi-fluid type photovoltaic/thermal (PV/T) solar collector. , 2013, , .		10
43	Fuzzy Index Poverty (FIP): Measuring poverty in rural area of Terengganu. , 2010, , .		5
44	The Effects Of Slanted Mesa Sidewall On P-N Junction GaN-Based LEDs. AIP Conference Proceedings, 2008, , .	0.3	0
45	Fuzzy evaluation method using fuzzy rule approach in multicriteria analysis. Yugoslav Journal of Operations Research, 2008, 18, 95-107.	0.5	15
46	FUZZY SUBJECTIVE EVALUATION OF ASIA PACIFIC AIRPORT SERVICES. Journal of Information and Communication Technology, 0, , .	0.3	1