

Juan Moises Mauricio Villanueva

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

182
citations

1478505

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h-index

1372567

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g-index

59
all docs

59
docs citations

59
times ranked

128
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximum-Likelihood Data Fusion of Phase-Difference and Threshold-Detection Techniques for Wind-Speed Measurement. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2189-2195.	4.7	33
2	Digital Twins of the Water Cooling System in a Power Plant Based on Fuzzy Logic. Sensors, 2021, 21, 6737.	3.8	18
3	Estimation of lithium-ion battery model parameters using experimental data. , 2017, , .		10
4	State of Charge Estimation of Battery Based on Neural Networks and Adaptive Strategies with Correntropy. Sensors, 2022, 22, 1179.	3.8	9
5	Digital Twin Design for Thermal Power Plant Cooling System using Fuzzy System. , 2021, , .		8
6	Real-time neuro-fuzzy controller for pressure adjustment in water distribution systems. Water Science and Technology: Water Supply, 2021, 21, 1177-1187.	2.1	8
7	An Outliers Processing Module Based on Artificial Intelligence for Substations Metering System. IEEE Transactions on Power Systems, 2020, 35, 3400-3409.	6.5	7
8	Wind speed measurement based on ultrasonic sensors using Discrete Fourier Transform. , 2013, , .		6
9	Fuzzy Controller Applied to a Remote Energy Harvesting Emulation Platform. Sensors, 2020, 20, 5874.	3.8	6
10	Wind speed measurement and uncertainty analysis using ultrasonic sensors with Kalman filtering. , 2010, , .		5
11	Adaptive Pressure Control System Based on the Maximum Correntropy Criterion. Sensors, 2021, 21, 5156.	3.8	5
12	Assessment of dielectric degradation by measurement, processing and classification of Partial Discharges. , 2012, , .		4
13	Evaluation of wavelet analysis performance in multiphase level measurement using ultrasonic sensors. , 2014, , .		4
14	Lead acid battery SoC estimation based on extended Kalman Filter method considering different temperature conditions. , 2017, , .		4
15	Indirect Feedback Measurement of Flow in a Water Pumping Network Employing Artificial Intelligence. Sensors, 2021, 21, 75.	3.8	4
16	Development of a Soft Sensor for Flow Estimation in Water Supply Systems Using Artificial Neural Networks. Sensors, 2022, 22, 3084.	3.8	4
17	Multilayer measuring system and uncertainty analysis using ultrasonic sensors with wavelet transform. , 2011, , .		3
18	Partial discharge estimation based on radiometric and classical measurements. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
19	Concentration H&inf>2&inf> measurement and uncertainty analysis using ultrasonic transducer. , 2012, , .		3
20	Wind speed measurement method using ultrasonic sensors with stationary wavelet transform. , 2012, , .		3
21	Wireless system for detecting high intensity current impulses applied to ground grids. , 2013, , .		3
22	Convergence analysis of the extended Kalman filter used in the ultrasonic time-of-flight estimation. Journal of Physics: Conference Series, 2018, 1044, 012018.	0.4	3
23	Modeling and estimation of the state of charge of lithium-ion battery based on artificial neural network. , 0, , .		3
24	Evidence theory and data fusion application for wind speed measurement. , 2012, , .		2
25	Wind speed measurement based on time-of-flight estimation using Extended Kalman Filter. , 2013, , .		2
26	Method of Monte Carlo simulation for the analysis of uncertainty for ultrasonic time-of-flight. Journal of Physics: Conference Series, 2018, 1044, 012045.	0.4	2
27	Complementary module to smart meters based on outliers correction using artificial intelligence. , 2018, , .		2
28	Hybrid Radiometric Location of Partial Discharge Sources. , 2019, , .		2
29	Fuzzy Pressure Control System in Water Supply Networks with Series-Parallel Pumps. , 2019, , .		2
30	An innovative ultrasonic time of flight method based on extended Kalman filter for wind speed measurement. Journal of Instrumentation, 2020, 15, P04024-P04024.	1.2	2
31	Methodology for Evaluating Projects Aimed at Service Quality Using Artificial Intelligence Techniques. Energies, 2022, 15, 4564.	3.1	2
32	Data Fusion Methods based on Fuzzy Theory for Wind Speed Measurement using Ultrasonic Transducers. , 2008, , .		1
33	Partial discharge measurement and uncertainty analysis based on fuzzy data fusion. , 2012, , .		1
34	Respiratory flow estimation using data fusion techniques. , 2012, , .		1
35	Ultrasonic time-of-flight estimation based on maximum likelihood data fusion using triangular distribution. , 2014, , .		1
36	Modeling a Multi-Echo Ultrasonic Waves Propagation using 2D Ray-Tracing Method. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	State of Charge Estimation for Li-Ion Batteries Based on Recurrent NARX Neural Network with Temperature Effect. , 2019, , .		1
38	Evaluation of the Performance of a Wireless Mesh Network Built with Sub-GHz Transceivers. , 2019, , .		1
39	Data Acquisition System Using Hybrid Network Based on LoRa for Hydraulic Plants. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	1
40	IDENTIFICAÇÃO PARAMÉTRICA PARA BATERIA DE LÍTIO-ÍON UTILIZANDO MODELOS AUTO REGRESSIVOS. , 0, , .		1
41	Lifetime Increase for Wireless Sensor Networks Using Cellular Learning Automata. Wireless Personal Communications, 0, , 1.	2.7	1
42	The influence of void configuration in statistical parameters of partial discharge signals. , 2013, , .		0
43	Design of an experimental methodology for generation of partial discharges signals. , 2015, , .		0
44	Network-capable smart batteries for smart grid and battery management systems. , 2016, , .		0
45	Design considerations for ultrasonic signals acquisition. , 2017, , .		0
46	Estimation of Conveyor Belts Thickness using Ultrasound Transducers. , 2018, , .		0
47	Algoritmos de Correção de Outliers para Curvas de Potência utilizando inteligência artificial. , 2018, , .		0
48	Previsão de demanda a médio prazo aplicada em dados reais do sistema de distribuição: uma comparação entre RNA e Lógica Fuzzy. Revista Principia, 2016, 1, 75.	0.1	0
49	MODELAGEM DE UM SISTEMA DE BOMBEAMENTO PARA O CONTROLE DE VAZÃO POR CONVERSOR DE FREQUÊNCIA BASEADO NA TEORIA DE IDENTIFICAÇÃO DE SISTEMAS. , 0, , .		0
50	Characterization and Thermal Behavior of Battery Model Parameters. , 0, , .		0
51	ALGORITMO HÍBRIDO PARA A REJEIÇÃO DO RUÍDO E ESTIMAÇÃO DO TEMPO DE TRÁNSITO ULTRASSÔNICO USANDO FILTRO DE KALMAN E DIFERENÇA DE FASE. , 0, , .		0
52	Detecção e Correção Automática de Outliers para Sistemas Supervisórios em Subestações. , 0, , .		0
53	Detecção e Correção de Outliers em Curvas de Potência Utilizando Técnica Híbrida de Inteligência Artificial. , 0, , .		0
54	Análise de Topologias de Redes Neurais Artificiais NARX na Estimação do Estado de Carga de Baterias de Lítio-Íon. , 0, , .		0

#	ARTICLE	IF	CITATIONS
55	Controle inteligente aplicado a um sistema de bombeamento de água. , 0, , .		0
56	Controle Inteligente da Pressão Hidráulica com Ênfase na Eficiência Energética. , 0, , .		0
57	Controle Inteligente Aplicado a Sistemas Hidráulicos com Demanda Variável. , 0, , .		0
58	Automation and control of a pressurized collective irrigation system based on fuzzy logic. Water Practice and Technology, 0, , .	2.0	0