

# John William Grimaldo Guerrero

## List of Publications by Year in descending order

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31  
papers

275  
citations

1039406

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940134

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docs citations

33  
times ranked

132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Neural Network and Time-Domain Feature Extraction Techniques for Determining Volumetric Percentages and the Type of Two Phase Flow Regimes Independent of Scale Layer Thickness. Applied Sciences (Switzerland), 2022, 12, 1336.	1.3	44
2	Investigation and Optimization of the Performance of Energy Systems in the Textile Industry by Using CHP Systems. Sustainability, 2022, 14, 1551.	1.6	10
3	Applying Data Mining and Artificial Intelligence Techniques for High Precision Measuring of the Two-Phase Flow's Characteristics Independent of the Pipe's Scale Layer. Electronics (Switzerland), 2022, 11, 459.	1.8	16
4	Thermal Conductivity and Dynamic Viscosity of Highly Mineralized Water. Fluid Dynamics and Materials Processing, 2022, 18, 851-866.	0.5	0
5	Optimization of the Cooling System of Electric Vehicle Batteries. Fluid Dynamics and Materials Processing, 2022, 18, 835-850.	0.5	1
6	Optimizing the Multi-Level Location-Assignment Problem in Queue Networks Using a Multi-Objective Optimization Approach. Foundations of Computing and Decision Sciences, 2022, 47, 177-192.	0.5	1
7	Increasing the Efficiency of a Control System for Detecting the Type and Amount of Oil Product Passing through Pipelines Based on Gamma-Ray Attenuation, Time Domain Feature Extraction, and Artificial Neural Networks. Polymers, 2022, 14, 2852.	2.0	5
8	EQUITY AND RENEWABLE ENERGY: AN ANALYSIS IN RESIDENTIAL USERS IN THE DEPARTMENT OF ATLÁNTICO-COLOMBIA. International Journal of Energy Economics and Policy, 2021, 11, 107-112.	0.5	0
9	Stock markets dynamics and environmental pollution: emerging issues and policy options in Asia. Environmental Science and Pollution Research, 2021, 28, 61801-61810.	2.7	4
10	Engineering of Novel Fe-Based Bulk Metallic Glasses Using a Machine Learning-Based Approach. Arabian Journal for Science and Engineering, 2021, 46, 12417-12425.	1.7	23
11	Controlling environmental pollution: dynamic role of fiscal decentralization in CO2 emission in Asian economies. Environmental Science and Pollution Research, 2021, 28, 65150-65159.	2.7	41
12	Dynamic effects of fiscal and monetary policy instruments on environmental pollution in ASEAN. Environmental Science and Pollution Research, 2021, 28, 65116-65126.	2.7	28
13	Prediction of penetration rate by Coupled Simulated Annealing-Least Square Support Vector Machine (CSA_LSSVM) learning in a hydrocarbon formation based on drilling parameters. Energy Reports, 2021, 7, 3971-3978.	2.5	8
14	Implementation of artificial intelligence and support vector machine learning to estimate the drilling fluid density in high-pressure high-temperature wells. Energy Reports, 2021, 7, 4106-4113.	2.5	15
15	Investigation of Mechanical and Microstructural Properties of Welded Specimens of AA6061-T6 Alloy with Friction Stir Welding and Parallel-Friction Stir Welding Methods. Materials, 2021, 14, 6003.	1.3	15
16	Modelling and reviewing the reliability and multi-objective optimization of wind-turbine system and photovoltaic panel with intelligent algorithms. Clean Energy, 2021, 5, 713-730.	1.5	18
17	A Laboratory Approach to Measure Enhanced Gas Recovery from a Tight Gas Reservoir during Supercritical Carbon Dioxide Injection. Sustainability, 2021, 13, 11606.	1.6	11
18	Optimal parameters estimation of the PEMFC using a balanced version of Water Strider Algorithm. Energy Reports, 2021, 7, 6876-6886.	2.5	7

#	ARTICLE	IF	CITATIONS
19	A Hierarchical P-hub Center Problem for Perishable Products Using CPLEX Method and Origin-Destination Approach. Industrial Engineering and Management Systems, 2021, 20, 613-620.	0.3	0
20	A Multi-Objective Optimization Model for Relief Facility Location in Crisis Conditions. Industrial Engineering and Management Systems, 2021, 20, 588-595.	0.3	1
21	Scheduling for a Container Supply Chain to Minimize Costs Using the Meta-Innovation Approach. Industrial Engineering and Management Systems, 2021, 20, 662-671.	0.3	0
22	Optimization of X-ray Tube Voltage to Improve the Precision of Two Phase Flow Meters Used in Petroleum Industry. Sustainability, 2021, 13, 13622.	1.6	10
23	Drivers of Biomass Power Generation Technologies: Adoption in Colombia. IOP Conference Series: Materials Science and Engineering, 2020, 844, 012010.	0.3	1
24	Offshore oil exploitation in the Caribbean Sea: Challenges for Colombia. IOP Conference Series: Materials Science and Engineering, 2020, 844, 012015.	0.3	2
25	Identification of critical variables in conventional transformers in distribution networks. IOP Conference Series: Materials Science and Engineering, 2020, 844, 012009.	0.3	4
26	Prospective towards implementation of electric vehicles in Colombia. IOP Conference Series: Materials Science and Engineering, 2020, 844, 012014.	0.3	1
27	Risk assessment of PCP lift system using a fishbone diagram and MICMAC method. IOP Conference Series: Materials Science and Engineering, 2020, 844, 012013.	0.3	0
28	AN ANALYSIS OF ELECTRICITY GENERATION WITH RENEWABLE RESOURCES IN GERMANY. International Journal of Energy Economics and Policy, 2020, 10, 361-367.	0.5	4
29	Mapeo del conocimiento para la ense�anza interdisciplinaria en ingenier�a. Formacion Universitaria, 2020, 13, 85-94.	0.2	0
30	Economic Assessment of Changes in the Regulation of the Transmission Activity in Colombia. Journal of Engineering Science and Technology Review, 2019, 12, 11-16.	0.2	1
31	Production and Characterization of Biodiesel from Cotton Oil as an Alternative Energy in Substitution of Soybean Oil. Journal of Engineering Science and Technology Review, 2018, 11, 182-186.	0.2	2