Ãlvaro Jaramillo-Duque

List of Publications by Year
in descending order

25 papers	354 citations	1163117 8 h-index	794594 19 g-index
25 all docs	25 docs citations	25 times ranked	485 citing authors

#	Article	IF	Citations
1	Design and Development of a Management System for Energy Microgrids Using Linear Programming. Applied Sciences (Switzerland), 2022, 12, 3980.	2.5	1
2	Analysis of the Integration of Drift Detection Methods in Learning Algorithms for Electrical Consumption Forecasting in Smart Buildings. Sustainability, 2022, 14, 5857.	3.2	7
3	Guidelines to Define a Regulatory Proposal in the Transition and Inclusion of Non-conventional Renewable Energies in Colombia and Its Role in the Development of Smart Cities. Smart Innovation, Systems and Technologies, 2021, , 227-237.	0.6	0
4	A New Affinely Adjustable Robust Model for Security Constrained Unit Commitment under Uncertainty. Applied Sciences (Switzerland), 2021, 11, 3987.	2.5	3
5	Automatic Boundary Extraction for Photovoltaic Plants Using the Deep Learning U-Net Model. Applied Sciences (Switzerland), 2021, 11, 6524.	2.5	6
6	Metodología computacionalmente eficiente para resolver el despacho económico multiperiodo estocástico con restricciones de seguridad. Investigación E Innovación En Ingenierías, 2021, 9, 130-141.	0.0	0
7	Coverage Path Planning with Semantic Segmentation for UAV in PV Plants. Applied Sciences (Switzerland), 2021, 11, 12093.	2.5	13
8	A Novel Strategy to Reduce Computational Burden of the Stochastic Security Constrained Unit Commitment Problem. Energies, 2020, 13, 3777.	3.1	6
9	Despacho económico multiperiodo con restricciones de seguridad usando los factores de sensibilidad PTDF y LODF. Scientia Et Technica, 2020, 25, 343-350.	0.2	0
10	Implementation of User Cuts and Linear Sensitivity Factors to Improve the Computational Performance of the Security-Constrained Unit Commitment Problem. Energies, 2019, 12, 1399.	3.1	7
11	Municipal Solid Waste as a Source of Electric Power Generation in Colombia: A Techno-Economic Evaluation under Different Scenarios. Resources, 2019, 8, 51.	3.5	40
12	Assessment and Day-Ahead Forecasting of Hourly Solar Radiation in Medellín, Colombia. Energies, 2019, 12, 4402.	3.1	12
13	Polimorfismos en los genes alcohol deshidrogenasa (ADH1) y citocromo P450 2E1 (CYP2E1) en pacientes con diagnóstico de cirrosis y carcinoma hepatocelular. Biomedica, 2018, 38, 555-568.	0.7	5
14	Power Loss Minimization for Transformers Connected in Parallel with Taps Based on Power Chargeability Balance. Energies, 2018, 11, 439.	3.1	3
15	Assessment of Government Incentives for Energy from Waste in Colombia. Sustainability, 2018, 10, 1294.	3.2	38
16	Electricity generation potential from solid waste in three Colombian municipalities. Tecno Lógicas, 2018, 21, 111-128.	0.3	6
17	Infección por el virus de la hepatitis E: clínica y epidemiología. Revista Colombiana De Gastroenterologia, 2018, 33, 22.	0.2	1
18	Impact assessment of demand response and distributed generation in the colombian power system chargeability. , 2017, , .		2

#	Article	IF	Citations
19	Wind Power Potentials in Cameroon and Nigeria: Lessons from South Africa. Energies, 2017, 10, 443.	3.1	21
20	First evidence of the Hepatitis E virus in environmental waters in Colombia. PLoS ONE, 2017, 12, e0177525.	2.5	27
21	Frecuencia de anticuerpos contra el virus de la hepatitis E en donantes de sangre del municipio de Yarumal, Antioquia. Revista Colombiana De Gastroenterologia, 2017, 31, 229.	0.2	1
22	Optimal operation of a pumped-storage hydro plant that compensates the imbalances of a wind power producer. Electric Power Systems Research, 2011, 81, 1767-1777.	3.6	95
23	Delegated dispatching of wind farms: an optimal approach considering continuous control and interruption capabilities. Wind Energy, 2009, 12, 332-347.	4.2	2
24	Stochastic Star Communication Topology in Evolutionary Particle Swarms (EPSO). International Journal of Computational Intelligence Research, 2008, 4, .	0.3	50
25	A Multiple Scenario Security Constrained Reactive Power Planning Tool Using EPSO. , 2007, , .		8