

# Álvaro Jaramillo-Duque

## List of Publications by Year in descending order

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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	Optimal operation of a pumped-storage hydro plant that compensates the imbalances of a wind power producer. <i>Electric Power Systems Research</i> , 2011, 81, 1767-1777.	3.6	95
2	Stochastic Star Communication Topology in Evolutionary Particle Swarms (EPSO). <i>International Journal of Computational Intelligence Research</i> , 2008, 4, .	0.3	50
3	Municipal Solid Waste as a Source of Electric Power Generation in Colombia: A Techno-Economic Evaluation under Different Scenarios. <i>Resources</i> , 2019, 8, 51.	3.5	40
4	Assessment of Government Incentives for Energy from Waste in Colombia. <i>Sustainability</i> , 2018, 10, 1294.	3.2	38
5	First evidence of the Hepatitis E virus in environmental waters in Colombia. <i>PLoS ONE</i> , 2017, 12, e0177525.	2.5	27
6	Wind Power Potentials in Cameroon and Nigeria: Lessons from South Africa. <i>Energies</i> , 2017, 10, 443.	3.1	21
7	Coverage Path Planning with Semantic Segmentation for UAV in PV Plants. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12093.	2.5	13
8	Assessment and Day-Ahead Forecasting of Hourly Solar Radiation in Medellín, Colombia. <i>Energies</i> , 2019, 12, 4402.	3.1	12
9	A Multiple Scenario Security Constrained Reactive Power Planning Tool Using EPSO. , 2007, , .		8
10	Implementation of User Cuts and Linear Sensitivity Factors to Improve the Computational Performance of the Security-Constrained Unit Commitment Problem. <i>Energies</i> , 2019, 12, 1399.	3.1	7
11	Analysis of the Integration of Drift Detection Methods in Learning Algorithms for Electrical Consumption Forecasting in Smart Buildings. <i>Sustainability</i> , 2022, 14, 5857.	3.2	7
12	A Novel Strategy to Reduce Computational Burden of the Stochastic Security Constrained Unit Commitment Problem. <i>Energies</i> , 2020, 13, 3777.	3.1	6
13	Automatic Boundary Extraction for Photovoltaic Plants Using the Deep Learning U-Net Model. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6524.	2.5	6
14	Electricity generation potential from solid waste in three Colombian municipalities. <i>Tecno Lógicas</i> , 2018, 21, 111-128.	0.3	6
15	Polimorfismos en los genes alcohol deshidrogenasa (ADH1) y citocromo P450 2E1 (CYP2E1) en pacientes con diagnóstico de cirrosis y carcinoma hepatocelular. <i>Biomedica</i> , 2018, 38, 555-568.	0.7	5
16	Power Loss Minimization for Transformers Connected in Parallel with Taps Based on Power Chargeability Balance. <i>Energies</i> , 2018, 11, 439.	3.1	3
17	A New Affinely Adjustable Robust Model for Security Constrained Unit Commitment under Uncertainty. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3987.	2.5	3
18	Delegated dispatching of wind farms: an optimal approach considering continuous control and interruption capabilities. <i>Wind Energy</i> , 2009, 12, 332-347.	4.2	2

#	ARTICLE	IF	CITATIONS
19	Impact assessment of demand response and distributed generation in the colombian power system chargeability. , 2017, , .		2
20	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
21	Infección por el virus de la hepatitis E: clínica y epidemiología. Revista Colombiana De Gastroenterologia, 2018, 33, 22.	0.2	1
22	Design and Development of a Management System for Energy Microgrids Using Linear Programming. Applied Sciences (Switzerland), 2022, 12, 3980.	2.5	1
23	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
24	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
25	Despacho económico multiperiodo con restricciones de seguridad usando los factores de sensibilidad PTFD y LODF. Scientia Et Technica, 2020, 25, 343-350.	0.2	0