Jean-Michel Clairand

List of Publications by Year
in descending order

39 papers	541 citations	840776 11 h-index	677142 22 g-index
39 all docs	39 docs citations	39 times ranked	509 citing authors

#	Article	IF	Citations
1	Smart Charging for Electric Vehicle Aggregators Considering Users' Preferences. IEEE Access, 2018, 6, 54624-54635.	4.2	86
2	Assessment of Technical and Economic Impacts of EV User Behavior on EV Aggregator Smart Charging. Journal of Modern Power Systems and Clean Energy, 2020, 8, 356-366.	5.4	51
3	Review of Energy Efficiency Technologies in the Food Industry: Trends, Barriers, and Opportunities. IEEE Access, 2020, 8, 48015-48029.	4.2	45
4	Electric Vehicles for Public Transportation in Power Systems: A Review of Methodologies. Energies, 2019, 12, 3114.	3.1	40
5	Power Generation Planning of Galapagos' Microgrid Considering Electric Vehicles and Induction Stoves. IEEE Transactions on Sustainable Energy, 2019, 10, 1916-1926.	8.8	40
6	Electric Vehicle Charging Strategy for Isolated Systems with High Penetration of Renewable Generation. Energies, 2018, 11, 3188.	3.1	32
7	A new interval prediction methodology for short-term electric load forecasting based on pattern recognition. Applied Energy, 2021, 297, 117173.	10.1	28
8	Participation of Electric Vehicle Aggregators in Ancillary Services Considering Users' Preferences. Sustainability, 2020, 12, 8.	3.2	25
9	Impact of Electric Vehicle Charging Strategy on the Long-Term Planning of an Isolated Microgrid. Energies, 2020, 13, 3455.	3.1	22
10	Review on Multi-Objective Control Strategies for Distributed Generation on Inverter-Based Microgrids. Energies, 2020, 13, 3483.	3.1	20
11	Optimal siting and sizing of electric taxi charging stations considering transportation and power system requirements. Energy, 2022, 256, 124572.	8.8	15
12	Route prioritization of urban public transportation from conventional to electric buses: A new methodology and a study of case in an intermediate city of Ecuador. Renewable and Sustainable Energy Reviews, 2021, 148, 111215.	16.4	12
13	A charging station planning model considering electric bus aggregators. Sustainable Energy, Grids and Networks, 2022, 30, 100638.	3.9	11
14	Design and implementation of a Wireless Sensor Network to detect forest fires. , 2017, , .		10
15	A Time-Series Treatment Method to Obtain Electrical Consumption Patterns for Anomalies Detection Improvement in Electrical Consumption Profiles. Energies, 2020, 13, 1046.	3.1	10
16	Techno-Economic Assessment of Renewable Energy-based Microgrids in the Amazon Remote Communities in Ecuador. Energy Technology, 2022, 10, 2100746.	3.8	9
17	Noise Pollution Measurement System using Wireless Sensor Network and BAN sensors. , 2017, , .		8
18	Smart charging for an electric vehicle aggregator considering user tariff preference. , 2017, , .		8

#	ARTICLE	IF	CITATIONS
19	Optimal Tilt and Orientation Angles in Fixed Flat Surfaces to Maximize the Capture of Solar Insolation: A Case Study in Ecuador. Applied Sciences (Switzerland), 2021, 11, 4546.	2.5	7
20	Non-Linear Control of a DC Microgrid for Electric Vehicle Charging Stations. International Journal on Advanced Science, Engineering and Information Technology, 2020, 10, 593-598.	0.4	7
21	A tariff system for electric vehicle smart charging to increase renewable energy sources use. , 2017, , .		5
22	Home Tele-assistance System for Elderly or Disabled People in Rural Areas. , 2018, , .		5
23	Urban Traffic Flow Mapping of an Andean Capital: Quito, Ecuador. IEEE Access, 2020, 8, 195459-195471.	4.2	5
24	Energy Efficiency Measures in Bakeries toward Competitiveness and Sustainabilityâ€"Case Studies in Quito, Ecuador. Sustainability, 2021, 13, 5209.	3.2	5
25	The impact of charging electric buses on the power grid. , 2020, , .		5
26	Evaluation of strategies for electric vehicle management of an Aggregator based on modulation of charging power rate. , 2017, , .		4
27	A Remote Control of Electric Vehicle Aggregator for Managing the Charging Power. , 2018, , .		4
28	Electric Vehicle Charging Load Prediction for Private Cars and Taxis Based on Vehicle Usage Data. , 2019, , .		4
29	Forecasting Building Electric Consumption Patterns Through Statistical Methods. Advances in Intelligent Systems and Computing, 2020, , 164-175.	0.6	4
30	Public policies proposals for the deployment of electric vehicles in ecuador. , 2017, , .		3
31	Microgrids as Electrification Alternatives for the Amazon Region in Ecuador. , 2019, , .		3
32	Operation of DC Microgrids Considering Different Strategies of Electric Vehicle Charging. , 2020, , .		3
33	Assessment of the Impact of Electric Vehicle Batteries in the Non-Linear Control of DC Microgrids. Applied Sciences (Switzerland), 2021, 11, 4415.	2.5	2
34	Coordinated Siting and Sizing of Electric Taxi Charging Stations Considering Traffic and Power Systems Conditions. , 2021, , .		1
35	What Is the Level of Peopleâ€™s Acceptance for Electric Taxis and Buses? Exploring Citizensâ€™ Perceptions of Transportation Electrification to Pay Additional Fees. World Electric Vehicle Journal, 2022, 13, 3.	3.0	1
36	Energy Savings for Car Stores by Using Energy Efficiency Improvements. Processes, 2022, 10, 1108.	2.8	1

#	Article	IF	Citations
37	Long-Term Electric Vehicle Planning in a Microgrid. , 2019, , .		0
38	Design Considerations of a Monitoring System of a Farm for Energy Efficiency Purposes. , 2019, , .		0
39	A Digitally-secured Automated Fleet Management Scheme for Electric Buses based on Blockchain. , 2022, , .		0