

# Jean-Michel Clairand

## List of Publications by Year in descending order

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39  
papers

541  
citations

840776

11  
h-index

677142

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g-index

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39  
docs citations

39  
times ranked

509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Techno-economic Assessment of Renewable Energy-based Microgrids in the Amazon Remote Communities in Ecuador. <i>Energy Technology</i> , 2022, 10, 2100746.	3.8	9
2	A charging station planning model considering electric bus aggregators. <i>Sustainable Energy, Grids and Networks</i> , 2022, 30, 100638.	3.9	11
3	What Is the Level of People's Acceptance for Electric Taxis and Buses? Exploring Citizens' Perceptions of Transportation Electrification to Pay Additional Fees. <i>World Electric Vehicle Journal</i> , 2022, 13, 3.	3.0	1
4	Energy Savings for Car Stores by Using Energy Efficiency Improvements. <i>Processes</i> , 2022, 10, 1108.	2.8	1
5	A Digitally-secured Automated Fleet Management Scheme for Electric Buses based on Blockchain. , 2022, , .		0
6	Optimal siting and sizing of electric taxi charging stations considering transportation and power system requirements. <i>Energy</i> , 2022, 256, 124572.	8.8	15
7	Assessment of the Impact of Electric Vehicle Batteries in the Non-Linear Control of DC Microgrids. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4415.	2.5	2
8	Energy Efficiency Measures in Bakeries toward Competitiveness and Sustainability—Case Studies in Quito, Ecuador. <i>Sustainability</i> , 2021, 13, 5209.	3.2	5
9	Optimal Tilt and Orientation Angles in Fixed Flat Surfaces to Maximize the Capture of Solar Insolation: A Case Study in Ecuador. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4546.	2.5	7
10	Coordinated Siting and Sizing of Electric Taxi Charging Stations Considering Traffic and Power Systems Conditions. , 2021, , .		1
11	A new interval prediction methodology for short-term electric load forecasting based on pattern recognition. <i>Applied Energy</i> , 2021, 297, 117173.	10.1	28
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. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111215.	16.4	12
13	Impact of Electric Vehicle Charging Strategy on the Long-Term Planning of an Isolated Microgrid. <i>Energies</i> , 2020, 13, 3455.	3.1	22
14	Review on Multi-Objective Control Strategies for Distributed Generation on Inverter-Based Microgrids. <i>Energies</i> , 2020, 13, 3483.	3.1	20
15	Urban Traffic Flow Mapping of an Andean Capital: Quito, Ecuador. <i>IEEE Access</i> , 2020, 8, 195459-195471.	4.2	5
16	Participation of Electric Vehicle Aggregators in Ancillary Services Considering Users' Preferences. <i>Sustainability</i> , 2020, 12, 8.	3.2	25
17	A Time-Series Treatment Method to Obtain Electrical Consumption Patterns for Anomalies Detection Improvement in Electrical Consumption Profiles. <i>Energies</i> , 2020, 13, 1046.	3.1	10
18	Assessment of Technical and Economic Impacts of EV User Behavior on EV Aggregator Smart Charging. <i>Journal of Modern Power Systems and Clean Energy</i> , 2020, 8, 356-366.	5.4	51

#	ARTICLE	IF	CITATIONS
19	Review of Energy Efficiency Technologies in the Food Industry: Trends, Barriers, and Opportunities. IEEE Access, 2020, 8, 48015-48029.	4.2	45
20	Forecasting Building Electric Consumption Patterns Through Statistical Methods. Advances in Intelligent Systems and Computing, 2020, , 164-175.	0.6	4
21	Operation of DC Microgrids Considering Different Strategies of Electric Vehicle Charging. , 2020, , .		3
22	The impact of charging electric buses on the power grid. , 2020, , .		5
23	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
24	Long-Term Electric Vehicle Planning in a Microgrid. , 2019, , .		0
25	Electric Vehicles for Public Transportation in Power Systems: A Review of Methodologies. Energies, 2019, 12, 3114.	3.1	40
26	Microgrids as Electrification Alternatives for the Amazon Region in Ecuador. , 2019, , .		3
27	Electric Vehicle Charging Load Prediction for Private Cars and Taxis Based on Vehicle Usage Data. , 2019, , .		4
28	Design Considerations of a Monitoring System of a Farm for Energy Efficiency Purposes. , 2019, , .		0
29	Power Generation Planning of Galapagosâ€™ Microgrid Considering Electric Vehicles and Induction Stoves. IEEE Transactions on Sustainable Energy, 2019, 10, 1916-1926.	8.8	40
30	A Remote Control of Electric Vehicle Aggregator for Managing the Charging Power. , 2018, , .		4
31	Electric Vehicle Charging Strategy for Isolated Systems with High Penetration of Renewable Generation. Energies, 2018, 11, 3188.	3.1	32
32	Smart Charging for Electric Vehicle Aggregators Considering Usersâ€™ Preferences. IEEE Access, 2018, 6, 54624-54635.	4.2	86
33	Home Tele-assistance System for Elderly or Disabled People in Rural Areas. , 2018, , .		5
34	Evaluation of strategies for electric vehicle management of an Aggregator based on modulation of charging power rate. , 2017, , .		4
35	Design and implementation of a Wireless Sensor Network to detect forest fires. , 2017, , .		10
36	Noise Pollution Measurement System using Wireless Sensor Network and BAN sensors. , 2017, , .		8

#	ARTICLE	IF	CITATIONS
37	Smart charging for an electric vehicle aggregator considering user tariff preference. , 2017, , .		8
38	A tariff system for electric vehicle smart charging to increase renewable energy sources use. , 2017, , .		5
39	Public policies proposals for the deployment of electric vehicles in ecuador. , 2017, , .		3