Fabrice Locment

List of Publications by Year
in descending order

34 papers	1,534 citations	516561 16 h-index	501076 28 g-index
34 all docs	34 docs citations	34 times ranked	1522 citing authors

#	Article	IF	Citations
1	A Techno-Economic Analysis of Energy Storage Components of Microgrids for Improving Energy Management Strategies. Energies, 2022, 15, 1556.	1.6	7
2	Global Cost and Carbon Impact Assessment Methodology for Electric Vehiclesâ€™ PV-Powered Charging Station. Applied Sciences (Switzerland), 2022, 12, 4115.	1.3	4
3	Real-Time Power Management Including an Optimization Problem for PV-Powered Electric Vehicle Charging Stations. Applied Sciences (Switzerland), 2022, 12, 4323.	1.3	10
4	Power and Energy Management of a DC Microgrid for a Renewable Curtailment Case Due to the Integration of a Small-Scale Wind Turbine. Energies, 2022, 15, 3421.	1.6	2
5	PV-Powered Electric Vehicle Charging Stations: Preliminary Requirements and Feasibility Conditions. Applied Sciences (Switzerland), 2021, 11, 1770.	1.3	26
6	PV Benefits Assessment for PV-Powered Charging Stations for Electric Vehicles. Applied Sciences (Switzerland), 2021, 11, 4127.	1.3	18
7	Human-System Interfaces for PV-Powered Electric Vehicles Charging Station. , 2021, , .		1
8	Carbon Impact Methodology for PV-powered Infrastructure for Recharging Electric Vehicles. , 2021, , .		0
9	PV-Powered Charging Station for Electric Vehicles: Power Management with Integrated V2G. Applied Sciences (Switzerland), 2020, 10, 6500.	1.3	18
10	Limited Power Point Tracking for a Small-Scale Wind Turbine Intended to Be Integrated in a DC Microgrid. Applied Sciences (Switzerland), 2020, 10, 8030.	1.3	12
11	DC Microgrid System Modeling and Simulation Based on a Specific Algorithm for Grid-Connected and Islanded Modes with Real-Time Demand-Side Management Optimization. Applied Sciences (Switzerland), 2020, 10, 2544.	1.3	14
12	Modelling, Simulation, and Management Strategy of an Electric Vehicle Charging Station Based on a DC Microgrid. Applied Sciences (Switzerland), 2020, 10, 2053.	1.3	46
13	Power Management of a Full DC Microgrid for Building Self-Consumption Applications. Lecture Notes in Electrical Engineering, 2020, , 177-189.	0.3	0
14	On-grid/off-grid DC microgrid optimization and demand response management. , 2020, , .		2
15	Shedding and restoration algorithms for an EV charging station to maximize available power. , 2020, , .		2
16	Experimental Implementation of a Flexible PV Power Control Mechanism in a DC Microgrid. Energies, 2019, 12, 1233.	1.6	7
17	Electromobility framework study: infrastructure and urban planning for EV charging station empowered by PVâ€based microgrid. IET Electrical Systems in Transportation, 2019, 9, 176-185.	1.5	26
18	Power Management Strategy for an Autonomous DC Microgrid. Applied Sciences (Switzerland), 2018, 8, 2202.	1.3	20

#	Article	IF	Citations
19	Integrated Control for Small Power Wind Generator. Energies, 2018, 11, 1217.	1.6	2
20	Experimental analysis of impact of maximum power point tracking methods on energy efficiency for smallâ€scale wind energy conversion system. IET Renewable Power Generation, 2017, 11, 389-397.	1.7	15
21	Energy management of DC microgrid based on photovoltaic combined with diesel generator and supercapacitor. Energy Conversion and Management, 2017, 132, 14-27.	4.4	135
22	Influence of Dynamic Efficiency in the DC Microgrid Power Balance. Energies, 2017, 10, 1563.	1.6	8
23	Optimized Load Shedding Approach for Grid-Connected DC Microgrid Systems under Realistic Constraints. Buildings, 2016, 6, 50.	1.4	21
24	Adaptive-tuning of extended Kalman filter used for small scale wind generator control. Renewable Energy, 2016, 85, 1237-1245.	4.3	12
25	Photovoltaic Electricity for Sustainable Building. Efficiency and Energy Cost Reduction for Isolated DC Microgrid. Energies, 2015, 8, 7945-7967.	1.6	40
26	Modeling and Simulation of DC Microgrids for Electric Vehicle Charging Stations. Energies, 2015, 8, 4335-4356.	1.6	43
27	Experimental comparison of photovoltaic panel operating cell temperature models. , 2014, , .		7
28	Supervision control for optimal energy cost management in DC microgrid: Design and simulation. International Journal of Electrical Power and Energy Systems, 2014, 58, 140-149.	3.3	67
29	DC microgrid power flow optimization by multi-layer supervision control. Design and experimental validation. Energy Conversion and Management, 2014, 82, 1-10.	4.4	69
30	Experimental analysis of impact of MPPT methods on energy efficiency for photovoltaic power systems. International Journal of Electrical Power and Energy Systems, 2013, 46, 98-107.	3.3	101
31	Building-integrated microgrid: Advanced local energy management for forthcoming smart power grid communication. Energy and Buildings, 2013, 59, 236-243.	3.1	127
32	Building Integrated Photovoltaic System With Energy Storage and Smart Grid Communication. IEEE Transactions on Industrial Electronics, 2013, 60, 1607-1618.	5.2	269
33	Intelligent DC Microgrid With Smart Grid Communications: Control Strategy Consideration and Design. IEEE Transactions on Smart Grid, 2012, 3, 2148-2156.	6.2	222
34	Maximum power tracking for photovoltaic power system: Development and experimental comparison of two algorithms. Renewable Energy, 2010, 35, 2381-2387.	4.3	181