

# Carlos Roldan-Blay

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Smart Cooperative Energy Supply Strategy to Increase Reliability in Residential Stand-Alone Photovoltaic Systems. Applied Sciences (Switzerland), 2021, 11, 11723.	1.3	3
2	Accurate Sizing of Residential Stand-Alone Photovoltaic Systems Considering System Reliability. Sustainability, 2020, 12, 1274.	1.6	36
3	Quick Calculation of Magnetic Flux Density in Electrical Facilities. Applied Sciences (Switzerland), 2020, 10, 891.	1.3	1
4	Improving the Sustainability of Self-Consumption with Cooperative DC Microgrids. Sustainability, 2019, 11, 5472.	1.6	3
5	Occasional Energy Reviews from an External Expert Help to Reduce Building Energy Consumption at a Reduced Cost. Energies, 2019, 12, 2929.	1.6	1
6	Optimal Generation Scheduling with Dynamic Profiles for the Sustainable Development of Electricity Grids. Sustainability, 2019, 11, 7111.	1.6	9
7	Improving the benefits of demand response participation in facilities with distributed energy resources. Energy, 2019, 169, 710-718.	4.5	34
8	Statistical methodology to assess changes in the electrical consumption profile of buildings. Energy and Buildings, 2018, 164, 99-108.	3.1	22
9	An optimisation algorithm for distributed energy resources management in micro-scale energy hubs. Energy, 2017, 132, 126-135.	4.5	44
10	Electrical consumption forecast using actual data of building end-use decomposition. Energy and Buildings, 2014, 82, 73-81.	3.1	10
11	Nuisance tripping of residual current circuit breakers: A practical case. Electric Power Systems Research, 2014, 106, 180-187.	2.1	11
12	Maintain maintenance: a look at some threats in the sector. International Journal of Services, Technology and Management, 2014, 20, 233.	0.1	0
13	Upgrade of an artificial neural network prediction method for electrical consumption forecasting using an hourly temperature curve model. Energy and Buildings, 2013, 60, 38-46.	3.1	64
14	New artificial neural network prediction method for electrical consumption forecasting based on building end-uses. Energy and Buildings, 2011, 43, 3112-3119.	3.1	105