Nelson Batista

List of Publications by Year
in descending order

23 papers	429 citations	1478280 6 h-index	1199470 12 g-index
23 all docs	23 docs citations	23 times ranked	468 citing authors

#	Article	IF	Citations
1	Photovoltaic and wind energy systems monitoring and building/home energy management using ZigBee devices within a smart grid. Energy, 2013, 49, 306-315.	4.5	160
2	Services enabler architecture for smart grid and smart living services providers under industry 4.0. Energy and Buildings, 2017, 141, 16-27.	3.1	53
3	On a self-start Darrieus wind turbine: Blade design and field tests. Renewable and Sustainable Energy Reviews, 2015, 52, 508-522.	8.2	48
4	Layered Smart Grid architecture approach and field tests by ZigBee technology. Energy Conversion and Management, 2014, 88, 49-59.	4.4	42
5	ZigBee standard in the creation of wireless networks for advanced metering infrastructures. , 2012, , .		16
6	Self-start performance evaluation in Darrieus-type vertical axis wind turbines: Methodology and computational tool applied to symmetrical airfoils. Renewable Energy and Power Quality Journal, 0, , 250-255.	0.2	16
7	New blade profile for Darrieus wind turbines capable to self-start. , 2011, , .		15
8	Darrieus wind turbine prototype: Dynamic modeling parameter identification and control analysis. Energy, 2018, 159, 961-976.	4.5	15
9	ZigBee wireless area network for home automation and energy management: Field trials and installation approaches. , 2012, , .		10
10	Wireless Networks for Traffic Light Control on Urban and Aerotropolis Roads. Journal of Sensor and Actuator Networks, 2020, 9, 26.	2.3	9
11	Self-start evaluation in lift-type vertical axis wind turbines: Methodology and computational tool applied to asymmetrical airfoils. , 2011, , .		7
12	Vertical Axis Wind Turbine Performance Prediction: An Approach to the Double Multiple Streamtube Model. Renewable Energy and Power Quality Journal, 0, , 633-636.	0.2	6
13	Darrieus Wind Turbine Performance Prediction: Computational Modeling. IFIP Advances in Information and Communication Technology, 2013, , 382-391.	0.5	5
14	Wireless Monitoring of Urban Wind Turbines by ZigBee Protocol: Support Application Software and Sensor Modules. Procedia Technology, 2014, 17, 461-470.	1.1	5
15	A wind turbine and its robust control using the CRONE method. Renewable Energy, 2020, 160, 483-497.	4.3	5
16	Darrieus-type vertical axis rotary-wings with a new design approach grounded in double-multiple streamtube performance prediction model. AIMS Energy, 2018, 6, 673-694.	1.1	5
17	Robust Control of a Wind Turbine Using Third Generation CRONE Control. , 2019, , .		4
18	Upgrading a Legacy Manufacturing Cell to IoT. Journal of Sensor and Actuator Networks, 2021, 10, 65.	2.3	3

#	Article	IF	Citations
19	Zigbee devices for distributed generation management: field tests and installation approaches. , 2012, , .		2
20	Wireless technologies for controlling a traffic lights prototype. , 2016, , .		2
21	Large Geographical Area Aerial Surveillance Systems Data Network Infrastructure Managed by Artificial Intelligence and Certified over Blockchain: A Review. Network, 2021, 1, 335-353.	1.5	1
22	Innovative design on technology of urban Darrieus VAWT: Field tests. , 2015, , .		0
23	Darrieus Wind Turbine Prototype Control Study. , 2018, , .		0