

# Pedro Martin Sanchez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8714807/publications.pdf>

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17  
papers

259  
citations

1163117

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1125743

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17  
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17  
docs citations

17  
times ranked

337  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Neural Network-Based Dynamic Cost Function for the Implementation of a Predictive Current Controller. IEEE Transactions on Industrial Informatics, 2017, 13, 2946-2955.	11.3	71
2	FPGA-Based Implementation of a Predictive Current Controller for Power Converters. IEEE Transactions on Industrial Informatics, 2013, 9, 1312-1321.	11.3	61
3	Guidance of a mobile robot using an array of static cameras located in the environment. Autonomous Robots, 2007, 23, 305-324.	4.8	42
4	A Day-Ahead Irradiance Forecasting Strategy for the Integration of Photovoltaic Systems in Virtual Power Plants. IEEE Access, 2020, 8, 204226-204240.	4.2	14
5	Remote Laboratory for Experimentation With Multilevel Power Converters. IEEE Transactions on Industrial Electronics, 2009, 56, 2450-2463.	7.9	13
6	A Hybrid Approach to Short-Term Load Forecasting Aimed at Bad Data Detection in Secondary Substation Monitoring Equipment. Sensors, 2018, 18, 3947.	3.8	11
7	Addressing Challenges in Prosumer-Based Microgrids With Blockchain and an IEC 61850-Based Communication Scheme. IEEE Access, 2020, 8, 201806-201822.	4.2	11
8	A methodology for optimizing the FPGA implementation of industrial control systems. , 2009, , .		10
9	Intra-Day Solar Power Forecasting Strategy for Managing Virtual Power Plants. Sensors, 2021, 21, 5648.	3.8	8
10	Turning Base Transceiver Stations into Scalable and Controllable DC Microgrids Based on a Smart Sensing Strategy. Sensors, 2021, 21, 1202.	3.8	6
11	A New Approach to Detection of Systematic Errors in Secondary Substation Monitoring Equipment Based on Short Term Load Forecasting. Sensors, 2016, 16, 85.	3.8	5
12	An Experimental Strategy for Characterizing Inductive Electromagnetic Energy Harvesters. Sensors, 2020, 20, 647.	3.8	4
13	Using co-design techniques to increase the reliability of the Electronic control system for a Multilevel Power Converter. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , .	0.0	1
14	Design Space Exploration for the Implementation of a Predictive Current Controller Based on FPGA. , 2012, , .		1
15	Design of a Sensor System for On-Line Monitoring of Contact Pressure in Chalcographic Printing. Sensors, 2017, 17, 2029.	3.8	1
16	Fault-Tolerant Communication System to Improve Safety in Railway Environments. Lecture Notes in Computer Science, 2003, , 263-274.	1.3	0
17	Load forecasting via detrending and deseasoning. , 2017, , .		0