

# Juan M Rey

## List of Publications by Year in descending order

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23  
papers

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citations

1040056

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940533

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24  
all docs

24  
docs citations

24  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Secondary Switched Control With no Communications for Islanded Microgrids. IEEE Transactions on Industrial Electronics, 2017, 64, 8534-8545.	7.9	77
2	Receding-Horizon Model-Predictive Control for a Three-Phase VSI With an <i>LCL</i> Filter. IEEE Transactions on Industrial Electronics, 2019, 66, 6671-6680.	7.9	73
3	Distributed Strategy for Optimal Dispatch of Unbalanced Three-Phase Islanded Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 3210-3225.	9.0	35
4	A Generalized Model for the Optimal Operation of Microgrids in Grid-Connected and Islanded Droop-Based Mode. IEEE Transactions on Smart Grid, 2019, 10, 5032-5045.	9.0	30
5	Local Frequency Restoration for Droop-Controlled Parallel Inverters in Islanded Microgrids. IEEE Transactions on Energy Conversion, 2019, 34, 1232-1241.	5.2	22
6	A Review of Microgrids in Latin America: Laboratories and Test Systems. IEEE Latin America Transactions, 2022, 20, 1000-1011.	1.6	19
7	Decentralized Switched Current Control for DC Microgrids. IEEE Transactions on Industrial Electronics, 2019, 66, 1182-1191.	7.9	17
8	Droop-free hierarchical control strategy for inverter-based AC microgrids. IET Power Electronics, 2020, 13, 1403-1415.	2.1	14
9	Sizing of an autonomous microgrid considering droop control. International Journal of Electrical Power and Energy Systems, 2022, 136, 107634.	5.5	11
10	Wind and Solar Energy Potential Assessment for Development of Renewables Energies Applications in Bucaramanga, Colombia. IOP Conference Series: Materials Science and Engineering, 2014, 59, 012004.	0.6	10
11	Comparative analysis of design criteria for hybrid photovoltaic/wind/battery systems. IET Renewable Power Generation, 2017, 11, 253-261.	3.1	6
12	Negative-sequence voltage elimination for distributed generators in grid-feeding operation mode. IET Power Electronics, 2020, 13, 1764-1774.	2.1	6
13	Adaptive Slope Voltage Control for Distributed Generation Inverters With Improved Transient Performance. IEEE Transactions on Energy Conversion, 2019, 34, 1644-1654.	5.2	5
14	Secondary Control for Islanded Microgrids. , 2019, , 171-193.		5
15	Enabling Grid-Feeding Converters With a Dissonant-Resonant Controller for Negative-Sequence Voltage Elimination. IEEE Transactions on Power Electronics, 2020, 35, 4342-4352.	7.9	5
16	Experimental study of clock drift impact over droop-free distributed control for industrial microgrids. , 2017, , .		4
17	Design and Optimal Sizing of Microgrids. , 2019, , 337-367.		4
18	Dynamic Model and Control of a Photovoltaic Generation System using Energetic Macroscopic Representation. International Journal of Emerging Electric Power Systems, 2016, 17, 575-582.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Control scheme for a multiple-output DC/DC current source parallel resonant converter. , 2017, , .		1
20	Generalities about Design and Operation of Microgrids. DYNA (Colombia), 2015, 82, 109-119.	0.4	1
21	Multi-layer active power and frequency control strategy for industrial microgrids. , 2017, , .		0
22	A communication-less control scheme for a variable air-gap wireless energy transfer system using current source resonant converter. , 2017, , .		0
23	Local hierarchical control for industrial microgrids with improved frequency regulation. , 2018, , .		0