

# Manuel Barragán-Villarejo

## List of Publications by Year in descending order

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18  
papers

208  
citations

1163117

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h-index

1125743

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

253  
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltage source converter-based topologies to further integrate renewable energy sources in distribution systems. IET Renewable Power Generation, 2012, 6, 435-445.	3.1	51
2	Reference Current Computation for Active Power Filters by Running DFT Techniques. IEEE Transactions on Power Delivery, 2010, 25, 1986-1995.	4.3	33
3	A Multi-Platform Lab for Teaching and Research in Active Distribution Networks. IEEE Transactions on Power Systems, 2017, 32, 4861-4870.	6.5	19
4	Grid-friendly integration of electric vehicle fast charging station based on multiterminal DC link. International Journal of Electrical Power and Energy Systems, 2020, 114, 105341.	5.5	18
5	DC Link Operation in Smart Distribution Systems With Communication Interruptions. IEEE Transactions on Smart Grid, 2016, 7, 2962-2970.	9.0	14
6	Power System Hardware in the Loop (PSHIL): A Holistic Testing Approach for Smart Grid Technologies. Energies, 2020, 13, 3858.	3.1	13
7	Voltage Control of Four-Leg VSC for Power System Applications With Nonlinear and Unbalanced Loads. IEEE Transactions on Energy Conversion, 2020, 35, 640-650.	5.2	11
8	Coils and power supplies design for the SMART tokamak. Fusion Engineering and Design, 2021, 168, 112683.	1.9	10
9	Dynamic modelling and control of a shunt-series power flow controller based on AC-link. IET Generation, Transmission and Distribution, 2012, 6, 792.	2.5	7
10	Experimental Assessment of a Centralised Controller for High-RES Active Distribution Networks. Energies, 2018, 11, 3364.	3.1	6
11	Ancillary Services in Hybrid AC/DC Low Voltage Distribution Networks. Energies, 2019, 12, 3591.	3.1	6
12	Reduced Reference Frame Transform: Deconstructing Three-Phase Four-Wire Systems. IEEE Access, 2020, 8, 143021-143032.	4.2	6
13	Harmonic and Imbalance Compensation in Grid-Forming VSC. , 2020, , .		6
14	Steady-state model for the three-leg shunt-series ac-link power flow controller. IET Generation, Transmission and Distribution, 2015, 9, 2534-2543.	2.5	3
15	Multiterminal electrical charging station for LV networks. , 2015, , .		3
16	Improving the controllability of microgrids through DC links. , 2018, , .		2
17	DC link operation in smart distribution systems with communication interruptions. , 2017, , .		0
18	Experimental realisation of an AC-link shunt-series power flow controller. IET Power Electronics, 2020, 13, 2675-2678.	2.1	0