

Jesus R Vazquez

List of Publications by Year in descending order

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25
papers

508
citations

933447

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h-index

996975

15
g-index

25
all docs

25
docs citations

25
times ranked

487
citing authors

#	ARTICLE	IF	CITATIONS
1	Active power filter control using neural network technologies. IET Electric Power Applications, 2003, 150, 139.	1.4	112
2	Backstepping Control of Smart Grid-Connected Distributed Photovoltaic Power Supplies for Telecom Equipment. IEEE Transactions on Energy Conversion, 2015, 30, 1496-1504.	5.2	78
3	Compensation in Nonsinusoidal, Unbalanced Three-Phase Four-Wire Systems With Active Power-Line Conditioner. IEEE Transactions on Power Delivery, 2004, 19, 1968-1974.	4.3	66
4	MPPT in PV systems under partial shading conditions using artificial vision. Electric Power Systems Research, 2018, 162, 89-98.	3.6	42
5	MPPT algorithms comparison in PV systems: P&O, PI, neuro-fuzzy and backstepping controls. , 2015, , ,		24
6	Active Power-line Conditioners. , 2007, , 231-291.		22
7	Practical Design of a Three-Phase Active Power-Line Conditioner Controlled by Artificial Neural Networks. IEEE Transactions on Power Delivery, 2005, 20, 1037-1044.	4.3	20
8	A new approach for three-phase loads compensation based on the instantaneous reactive power theory. Electric Power Systems Research, 2008, 78, 605-617.	3.6	18
9	Backstepping Controller Design to Track Maximum Power in Photovoltaic Systems. Automatika, 2014, 55, 22-31.	2.0	17
10	A series-parallel configuration of active power filters for VAr and harmonic compensation. , 0, , .		15
11	Mapping matrices against vectorial frame in the instantaneous reactive power compensation. IET Electric Power Applications, 2007, 1, 727.	1.8	15
12	Unbalance and harmonic distortion assessment in an experimental distribution network. Electric Power Systems Research, 2015, 127, 271-279.	3.6	11
13	Identification of unbalanced loads in electric power systems. International Transactions on Electrical Energy Systems, 2014, 24, 1232-1243.	1.9	10
14	Neuro-fuzzy control of a grid-connected photovoltaic system with power quality improvement. , 2013, , ,		9
15	Backstepping Control of a Buck-Boost Converter in an Experimental PV-System. Journal of Power Electronics, 2015, 15, 1584-1592.	1.5	9
16	Centralized MPPT Controller System of PV Modules by a Wireless Sensor Network. IEEE Access, 2020, 8, 71694-71707.	4.2	8
17	Grid-Connected PV Systems Controlled by Sliding via Wireless Communication. Energies, 2021, 14, 1931.	3.1	8
18	A New Control for a Combined System of Shunt Passive and Series Active Filters. , 2007, , .		5

#	ARTICLE	IF	CITATIONS
19	Instantaneous Reactive Power Theory to N Wire Systems. , 2007, , .		5
20	Adaptive backstepping control of a DC-DC converter in photovoltaic systems. , 2013, , .		5
21	Wireless Sliding MPPT Control of Photovoltaic Systems in Distributed Generation Systems. Energies, 2019, 12, 3226.	3.1	5
22	A practical assessment of different active power filter configurations. , 2011, , .		2
23	A Low-Cost Remote Laboratory for Photovoltaic Systems to Explore the Acceptance of the Students. , 2020, , .		1
24	Complete and versatile remote controller for PV systems. International Journal of Electrical Power and Energy Systems, 2022, 142, 108324.	5.5	1
25	Improvement of shunt active power filter compensation through switching output reactances. , 2015, , .		0