

# Ariovaldo Garcia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/452709/publications.pdf>

Version: 2024-02-01

16  
papers

717  
citations

1040056

9  
h-index

1058476

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Power system transmission network expansion planning using AC model. IET Generation, Transmission and Distribution, 2007, 1, 731.	2.5	182
2	Fast decoupled load flow: hypothesis, derivations, and testing. IEEE Transactions on Power Systems, 1990, 5, 1425-1431.	6.5	112
3	A Constructive Heuristic Algorithm for Distribution System Planning. IEEE Transactions on Power Systems, 2010, 25, 1734-1742.	6.5	97
4	Modeling zero impedance branches in power system state estimation. IEEE Transactions on Power Systems, 1991, 6, 1561-1570.	6.5	80
5	Transmission system expansion planning by a branch-and-bound algorithm. IET Generation, Transmission and Distribution, 2008, 2, 90.	2.5	77
6	A heuristic method for reactive power planning. IEEE Transactions on Power Systems, 1996, 11, 68-74.	6.5	59
7	Power System Observability Analysis Based on Gram Matrix and Minimum Norm Solution. IEEE Transactions on Power Systems, 2008, 23, 1611-1618.	6.5	39
8	On the Use of Gram Matrix in Observability Analysis. IEEE Transactions on Power Systems, 2008, 23, 249-251.	6.5	27
9	Interior point algorithm for linear programming used in transmission network synthesis. Electric Power Systems Research, 2005, 76, 9-16.	3.6	13
10	Handling discardable measurements in power system state estimation. IEEE Transactions on Power Systems, 1992, 7, 1333-1340.	6.5	11
11	The representation of shunt elements in fast decoupled power flows. IEEE Transactions on Power Systems, 1994, 9, 1434-1440.	6.5	7
12	Parallel implementation of probabilistic short-circuit analysis by the Monte Carlo approach. IEEE Transactions on Power Systems, 1994, 9, 826-832.	6.5	5
13	Distributed short-circuit analysis in heterogeneous computer networks. International Journal of Electrical Power and Energy Systems, 2000, 22, 129-136.	5.5	3
14	A Numerical Method for Finding Spanning Trees in Power System State Estimation. , 2006, , .		2
15	Power system observability analysis based on gram matrix and minimum norm solution. , 2009, , .		2
16	A new method for redundancy analysis of measurements applied to three-phase state estimation. Electric Power Systems Research, 2009, 79, 234-238.	3.6	1