

# Jorge Valenzuela

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

705  
citations

687363

13  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time intrusion detection in power system operations. IEEE Transactions on Power Systems, 2013, 28, 1052-1062.	6.5	142
2	A Seeded Memetic Algorithm for Large Unit Commitment Problems. Journal of Heuristics, 2002, 8, 173-195.	1.4	133
3	A Probabilistic Risk Mitigation Model for Cyber-Attacks to PMU Networks. IEEE Transactions on Power Systems, 2015, 30, 156-165.	6.5	78
4	Microgrid energy scheduling using storage from electric vehicles. Electric Power Systems Research, 2017, 143, 554-562.	3.6	77
5	Optimization of residential off-grid PV-battery systems. Solar Energy, 2020, 208, 766-777.	6.1	37
6	Evaluating the impact of renewable generation on transmission expansion planning. Electric Power Systems Research, 2019, 169, 35-44.	3.6	36
7	A probabilistic model for assessing the long-term economics of wind energy. Electric Power Systems Research, 2011, 81, 853-861.	3.6	32
8	Optimizing the size of a V2G parking deck in a microgrid. International Journal of Electrical Power and Energy Systems, 2018, 97, 28-39.	5.5	30
9	Unmanned Aircraft System Path Planning for Visually Inspecting Electric Transmission Towers. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 95, 1097-1111.	3.4	27
10	A Decomposition Approach for Solving Seasonal Transmission Switching. IEEE Transactions on Power Systems, 2015, 30, 1203-1211.	6.5	23
11	Optimal investment plan for dynamic thermal rating using benders decomposition. European Journal of Operational Research, 2016, 248, 917-929.	5.7	20
12	A scenario-based optimization model for determining the capacity of a residential off-grid PV-battery system. Solar Energy, 2022, 233, 478-488.	6.1	19
13	Transmission expansion planning using multivariate interpolation. Electric Power Systems Research, 2015, 126, 87-99.	3.6	17
14	Scheduling energy consumption for residential stand-alone photovoltaic systems. Solar Energy, 2019, 187, 393-403.	6.1	13
15	Economic Analysis of Electric Power Transmission Expansion. Engineering Economist, 2008, 53, 293-317.	1.1	12
16	An optimization drone routing model for inspecting wind farms. Soft Computing, 2021, 25, 2483-2498.	3.6	9