

# Alberto Vargas

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

501  
citations

840585

11  
h-index

839398

18  
g-index

25  
all docs

25  
docs citations

25  
times ranked

543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term economic dispatch of smart distribution grids considering the active role of plug-in electric vehicles. <i>Electric Power Systems Research</i> , 2019, 177, 105932.	2.1	14
2	Mitigation of price spike in unit commitment: A probabilistic approach. <i>Energy Economics</i> , 2019, 80, 1041-1049.	5.6	2
3	Integrated operational planning of hydrothermal power and natural gas systems with large scale storages. <i>Journal of Modern Power Systems and Clean Energy</i> , 2017, 5, 299-313.	3.3	33
4	Assessments of battery storage options for distribution expansion planning using an OpenDSS-based framework. , 2017, , .		4
5	Large storage facilities valuation in integrated planning of natural gas and power systems. , 2016, , .		2
6	Latin American Energy Markets: Investment Opportunities in Nonconventional Renewables. <i>IEEE Power and Energy Magazine</i> , 2016, 14, 38-47.	1.6	16
7	Investment Valuation of Energy Storage Systems in Distribution Networks considering Distributed Solar Generation. <i>IEEE Latin America Transactions</i> , 2016, 14, 1774-1779.	1.2	17
8	Optimal plug-in electric vehicles management by aggregators. , 2015, , .		0
9	Integration of electricity and natural gas systems - identification of coordinating parameters. , 2014, , .		11
10	Performance comparison of heuristic optimization methods for optimal dynamic transmission expansion planning. <i>International Transactions on Electrical Energy Systems</i> , 2014, 24, 1450-1472.	1.2	11
11	Investment Decisions in Distribution Networks Under Uncertainty With Distributed Generationâ€™Part I: Model Formulation. <i>IEEE Transactions on Power Systems</i> , 2013, 28, 2331-2340.	4.6	89
12	Investment Decisions in Distribution Networks Under Uncertainty With Distributed Generationâ€™Part II: Implementation and Results. <i>IEEE Transactions on Power Systems</i> , 2013, 28, 2341-2351.	4.6	54
13	Hybrid Approach for Power System Operational Planning With Smart Grid and Small-Signal Stability Enhancement Considerations. <i>IEEE Transactions on Smart Grid</i> , 2013, 4, 530-539.	6.2	20
14	Real-Time Monitoring and Economic Dispatch of Smart Distribution Grids: High Performance Algorithms for DMS Applications. <i>IEEE Transactions on Smart Grid</i> , 2012, 3, 866-877.	6.2	47
15	Energy Carrier Networks: Interactions and Integrated Operational Planning. <i>Energy Systems</i> , 2012, , 117-167.	0.5	3
16	Transmission Network Cost Allocation Considering Counterflows. <i>IEEE Latin America Transactions</i> , 2011, 9, 323-330.	1.2	2
17	New price system to mitigate marginal price volatility in electricity markets. <i>IEEE Latin America Transactions</i> , 2011, 9, 793-799.	1.2	5
18	Reconfiguration of MV Distribution Networks With Multicost and Multipoint Alternative Supply, Part I: Economic Dispatch Through Radialization. <i>IEEE Transactions on Power Systems</i> , 2008, 23, 1393-1400.	4.6	9

#	ARTICLE	IF	CITATIONS
19	Reconfiguration of MV Distribution Networks With Multicost and Multipoint Alternative Supply, Part II: Reconfiguration Plan. IEEE Transactions on Power Systems, 2008, 23, 1401-1407.	4.6	18
20	Calculating Functions of Interval Type-2 Fuzzy Numbers for Fault Current Analysis. IEEE Transactions on Fuzzy Systems, 2007, 15, 31-40.	6.5	67
21	Fuzzy Fault Currents: Theory and Applications. , 2007, , .		1
22	Supply Quality Regulation - Its Influence over Short-Term Investment Decisions in Distribution Networks. , 2007, , .		0
23	Methodological basis to decide short-term investments in distribution systems under uncertainty in performance-based regulatory frameworks. International Journal of Global Energy Issues, 2007, 28, 88.	0.2	5
24	Hydrothermal Scheduling Using Benders Decomposition: Accelerating Techniques. IEEE Transactions on Power Systems, 2007, 22, 1351-1359.	4.6	69
25	Prioritizing Short-Term Investments in Distribution Networks with Uncertainty Modeled by Fuzzy Numbers. , 2006, , .		2