Alberto J Lamadrid

List of Publications by Year
in descending order

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42	668	858243 12	721071 23
papers	citations	h-index	g-index

42	42	42	859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A coordinated scheme of electricity-gas systems and impacts of a gas system FDI attacks on electricity system. International Journal of Electrical Power and Energy Systems, 2021, 131, 107060.	3.3	7
2	A trilevel model against false gas-supply information attacks in electricity systems. Electric Power Systems Research, 2020, 189, 106541.	2.1	6
3	Evaluating the Impact of Infrastructure Interdependencies on the Emergency Services Sector and Critical Support Functions Using an Expert Opinion Survey. Journal of Infrastructure Systems, 2020, 26, .	1.0	14
4	Stochastic Optimal Power Flow Under Forecast Errors and Failures in Communication. IEEE Transactions on Smart Grid, 2019, 10, 4128-4137.	6.2	1
5	Using the Matpower Optimal Scheduling Tool to Test Power System Operation Methodologies Under Uncertainty. IEEE Transactions on Sustainable Energy, 2019, 10, 1280-1289.	5.9	29
6	The Effects of Infrastructure Service Disruptions and Socio-Economic Vulnerability on Hurricane Recovery. Sustainability, 2019, 11, 516.	1.6	45
7	A Heuristic Approach to the Post-Disturbance and Stochastic Pre-Disturbance Microgrid Formation Problem. IEEE Transactions on Smart Grid, 2019, 10, 5574-5586.	6.2	26
8	Pricing in non-convex markets with quadratic deliverability costs. Energy Economics, 2019, 80, 123-131.	5.6	13
9	The Economic Value of Distributed Storage at Different Locations on an Electric Grid. Energy Journal, 2019, 40, 165-190.	0.9	3
10	Allocation of Resources Using a Microgrid Formation Approach for Resilient Electric Grids. IEEE Transactions on Power Systems, 2018, 33, 2633-2643.	4.6	106
11	Generalized Minimax: A Self-Enforcing Pricing Scheme for Load Aggregators. IEEE Transactions on Smart Grid, 2018, 9, 1953-1963.	6.2	11
12	Coupon Targeting Competition in Privacy Sensitive Market. , 2018, , .		1
13	Pricing Chance Constraints in Electricity Markets. IEEE Transactions on Power Systems, 2018, 33, 4634-4636.	4.6	16
14	Stochastic risk-sensitive market integration for renewable energy: Application to ocean wave power plants. Applied Energy, 2018, 229, 474-481.	5.1	5
15	A robust model for the ramp-constrained economic dispatch problem with uncertain renewable energy. Energy Economics, 2016, 56, 310-325.	5.6	19
16	The economic value of transmission lines and the implications for planning models. Energy Economics, 2016, 57, 1-15.	5.6	11
17	The value of aggregation under minimax pricing scheme in the electricity retail market. , 2016, , .		0
18	On the Death and Possible Rebirth of Energy-Only Markets. , 2016, , .		0

#	Article	IF	Citations
19	Impact of dynamic pricing schemes on generation cost in the electricity retail market. , 2015, , .		2
20	Stochastically Optimized, Carbon-Reducing Dispatch of Storage, Generation, and Loads. IEEE Transactions on Power Systems, 2015, 30, 1064-1075.	4.6	32
21	The Controllability of Real Things: Planning for Wind Integration. Electricity Journal, 2015, 28, 19-28.	1.3	7
22	Is Deferrable Demand an Effective Alternative to Upgrading Transmission Capacity?. Journal of Energy Engineering - ASCE, 2015, 141, .	1.0	4
23	Optimal use of energy storage systems with renewable energy sources. International Journal of Electrical Power and Energy Systems, 2015, 71, 101-111.	3.3	20
24	Using deferrable demand in a smart grid to reduce the cost of electricity for customers. Journal of Regulatory Economics, 2015, 47, 239-272.	0.8	18
25	Minimax: an incentive-driven pricing scheme in the electricity retail market. , 2015, , .		4
26	Can Energy Bids from Aggregators Manage Deferrable Demand Efficiently?. , 2015, , .		5
27	Economic cost-benefit analysis for power system operations with environmental considerations. , 2015, , .		1
28	Multi-step forecasting of wave power using a nonlinear recurrent neural network. , 2014, , .		7
29	Barriers to Increasing the Role of Demand Resources in Electricity Markets. , 2014, , .		6
30	Prospects of wave power grid integration. , 2014, , .		1
31	On the usage of storage systems in the presence of ramping costs and high penetration of renewables. , 2013, , .		0
32	Shale gas vs. coal: Policy implications from environmental impact comparisons of shale gas, conventional gas, and coal on air, water, and land in the United States. Energy Policy, 2013, 53, 442-453.	4.2	164
33	On the capacity value of renewable energy sources in the presence of energy storage and ramping constraints. , 2013, , .		2
34	How to remunerate ramping services?. , 2013, , .		0
35	The Effect of Stochastic Wind Generation on Ramping Costs and the System Benefits of Storage. , 2013, , .		6
36	Alternate mechanisms for integrating renewable sources of energy into electricity markets. , 2012, , .		10

#	Article	IF	Citations
37	Ancillary services in systems with high penetrations of renewable energy sources, the case of ramping. Energy Economics, 2012, 34, 1959-1971.	5.6	43
38	Scheduling of Energy Storage Systems with Geographically Distributed Renewables. , 2011, , .		10
39	Integrating Wind Power: Can Controllable Load Substitute for Transmission Upgrades?. , 2011, , .		1
40	Wine in Your Knapsack?. Journal of Wine Economics, 2011, 6, 83-110.	0.4	1
41	Dynamic optimization for the management of stochastic generation and storage. , 2010, , .		5
42	Are existing ancillary service markets adequate with high penetrations of variable generation?. , 2010, , .		6