Fernando Lopes

List of Publications by Year
in descending order

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61	657	687220	677027
papers	citations	13 h-index	22 g-index

67	67	67	296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Agent-based retail competition and portfolio optimization in liberalized electricity markets: A study involving real-world consumers. International Journal of Electrical Power and Energy Systems, 2022, 137, 107687.	3.3	19
2	Decarbonization of Electricity Systems in Europe: Market Design Challenges. IEEE Power and Energy Magazine, 2021, 19, 53-63.	1.6	47
3	From wholesale energy markets to local flexibility markets: structure, models and operation. , 2021, , 37-61.		4
4	Analysis and Simulation of Local Flexibility Markets: Preliminary Report. Communications in Computer and Information Science, 2021, , 203-214.	0.4	0
5	Strategic Operation of Hydroelectric Power Plants in Energy Markets: A Model and a Study on the Hydro-Wind Balance. Fluids, 2020, 5, 209.	0.8	10
6	Participation of Wind Power Producers in Intra-day Markets: A Case-Study. Communications in Computer and Information Science, 2020, , 347-356.	0.4	0
7	Renewable Energy Support Policy Based on Contracts for Difference and Bilateral Negotiation. Communications in Computer and Information Science, 2020, , 293-301.	0.4	0
8	Integration of Renewable Energy in Markets: Analysis of Key European and American Electricity Markets. IFIP Advances in Information and Communication Technology, 2019, , 321-328.	0.5	1
9	Changing the Day-Ahead Gate Closure to Wind Power Integration: A Simulation-Based Study. Energies, 2019, 12, 2765.	1.6	7
10	Effects of regulating the European Internal Market on the integration of variable renewable energy. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e346.	1.9	20
11	Participation of wind power producers in dayâ€ahead and balancing markets: An overview and a simulationâ€based study. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e343.	1.9	23
12	Variable Renewable Energy and Market Design: New Products and a Real-World Study. Energies, 2019, 12, 4576.	1.6	11
13	Simple and Linear Bids in Multi-agent Daily Electricity Markets: A Preliminary Report. Advances in Intelligent Systems and Computing, 2019, , 196-203.	0.5	0
14	Hydro-Wind Balance in Daily Electricity Markets: A Case-Study. Communications in Computer and Information Science, 2019, , 193-201.	0.4	0
15	Potential Impact of Load Curtailment on the Day-Ahead Iberian Market: A Preliminary Analysis. Communications in Computer and Information Science, 2019, , 211-218.	0.4	0
16	Demand Response in Electricity Markets: An Overview and a Study of the Price-Effect on the Iberian Daily Market. Studies in Systems, Decision and Control, 2018, , 265-303.	0.8	5
17	Renewable Generation, Support Policies and the Merit Order Effect: A Comprehensive Overview and the Case of Wind Power in Portugal. Studies in Systems, Decision and Control, 2018, , 227-263.	0.8	5
18	Electricity Markets and Intelligent Agents Part I: Market Architecture and Structure. Studies in Systems, Decision and Control, 2018, , 23-48.	0.8	4

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19	Electricity Markets and Intelligent Agents Part II: Agent Architectures and Capabilities. Studies in Systems, Decision and Control, 2018, , 49-77.	0.8	10
20	MATREM: An Agent-Based Simulation Tool for Electricity Markets. Studies in Systems, Decision and Control, 2018, , 189-225.	0.8	16
21	FACTORS RELATED TO AMPUTATION LEVEL AND WOUND HEALING IN DIABETIC PATIENTS. Acta Ortopedica Brasileira, 2018, 26, 342-345.	0.2	16
22	Coalitions of End-Use Customers in Retail Electricity Markets: A Real-World Case Study Involving Five Schools for Children. Communications in Computer and Information Science, 2018, , 312-320.	0.4	1
23	Multi-agent electricity markets: Retailer portfolio optimization using Markowitz theory. Electric Power Systems Research, 2017, 148, 282-294.	2.1	46
24	Multi-agent Wholesale Electricity Markets with High Penetrations of Variable Generation: A Case-Study on Multivariate Forecast Bidding Strategies. Communications in Computer and Information Science, 2017, , 340-349.	0.4	2
25	Agent-Based Simulation of Electricity Markets: Risk Management and Contracts for Difference. Understanding Complex Systems, 2017, , 207-225.	0.3	7
26	A Linear Programming Model to Simulate the Adaptation of Multi-agent Power Systems to New Sources of Energy. Communications in Computer and Information Science, 2017, , 350-360.	0.4	1
27	Agent-Based Simulation of Day-Ahead Energy Markets: Impact of Forecast Uncertainty and Market Closing Time on Energy Prices. , 2016, , .		9
28	Towards a Conceptual Framework for Agent-Based Electricity Markets. , 2016, , .		1
29	Decision Support for Energy Contracts Negotiation with Game Theory and Adaptive Learning. Energies, 2015, 8, 9817-9842.	1.6	29
30	Electricity Usage Efficiency in Large Buildings: DSM Measures and Preliminary Simulations of DR Programs in a Public Library. Communications in Computer and Information Science, 2015, , 249-259.	0.4	1
31	Multi-agent Electricity Markets: A Case Study on Contracts for Difference. , 2015, , .		8
32	A Framework for Agent-Based Electricity Markets: Preliminary Report. , 2015, , .		2
33	Agent-Based Simulation of Wholesale Energy Markets: A Case Study on Renewable Generation. , 2015, , .		10
34	Multi-agent retail energy markets: Bilateral contracting and coalitions of end-use customers. , 2015, , .		10
35	Bilateral Contracting in Multi-agent Energy Markets: Forward Contracts and Risk Management. Communications in Computer and Information Science, 2015, , 260-269.	0.4	8
36	Power Producers Trading Electricity in Both Pool and Forward Markets. , 2014, , .		1

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37	Realistic Multi-agent Simulation of Competitive Electricity Markets. , 2014, , .		2
38	A Trader Portfolio Optimization of Bilateral Contracts in Electricity Retail Markets. , 2014, , .		0
39	Multi-agent Simulation of Bilateral Contracting in Competitive Electricity Markets. , 2014, , .		1
40	Risk Management and Bilateral Contracts in Multi-agent Electricity Markets. Communications in Computer and Information Science, 2014, , 297-308.	0.4	8
41	Customer Load Strategies for Demand Response in Bilateral Contracting of Electricity. Lecture Notes in Business Information Processing, 2014, , 153-164.	0.8	0
42	Agent-Based Simulation of Retail Electricity Markets: Bilateral Contracting with Demand Response. , 2013, , .		3
43	Bilateral negotiation in energy markets: Strategies for promoting demand response. , 2013, , .		22
44	Agent-Based Simulation of Retail Electricity Markets: Bilateral Trading Players. , 2013, , .		4
45	Bilateral contracting in multi-agent electricity markets: Negotiation strategies and a case study. , 2013, , .		20
46	Negotiating Hour-Wise Tariffs in Multi-Agent Electricity Markets. Lecture Notes in Computer Science, 2013, , 246-256.	1.0	2
47	Negotiating Bilateral Contracts in a Multi-agent Electricity Market: A Case Study. , 2012, , .		23
48	Concession Strategies for Negotiating Bilateral Contracts in Multi-agent Electricity Markets. , 2012, , .		17
49	Multi-agent Negotiation in Electricity Markets. Lecture Notes in Business Information Processing, 2011, , 114-123.	0.8	4
50	Bilateral Negotiation in a Multi-agent Supply Chain System. Lecture Notes in Business Information Processing, 2010, , 195-206.	0.8	9
51	Concession Behaviour in Automated Negotiation. Lecture Notes in Business Information Processing, 2010, , 184-194.	0.8	14
52	Automated Bilateral Negotiation and Bargaining Impasse. , 2009, , 161-174.		0
53	Bilateral Negotiation in a Multi-Agent Energy Market. Lecture Notes in Computer Science, 2009, , 655-664.	1.0	14
54	Negotiation among autonomous computational agents: principles, analysis and challenges. Artificial Intelligence Review, 2008, 29, 1-44.	9.7	111

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55	Towards an Interdisciplinary Framework for Automated Negotiation. Lecture Notes in Computer Science, 2008, , 81-91.	1.0	3
56	The Evolution of Negotiation and Impasse in Two-Party Multi-issue Bargaining. Lecture Notes in Computer Science, 2008, , 213-222.	1.0	0
57	A negotiation model for autonomous agents. , 2005, , .		4
58	Negotiation Among Autonomous Agents: Experimental Evaluation of Integrative Strategies. , 2005, , .		10
59	Negotiation among Autonomous Computational Agents. Lecture Notes in Computer Science, 2002, , 556-565.	1.0	3
60	Towards a generic negotiation model for intentional agents. , 0, , .		11
61	Negotiation tactics for autonomous agents. , 0, , .		4