Gabriel Santos

List of Publications by Year
in descending order

54 papers	515 citations	840776 11 h-index	752698 20 g-index
56 all docs	56 docs citations	56 times ranked	380 citing authors

#	Article	IF	Citations
1	Adaptive learning in agents behaviour: A framework for electricity markets simulation. Integrated Computer-Aided Engineering, 2014, 21, 399-415.	4.6	67
2	Multi-agent simulation of competitive electricity markets: Autonomous systems cooperation for European market modeling. Energy Conversion and Management, 2015, 99, 387-399.	9.2	59
3	MASCEM: Optimizing the performance of a multi-agent system. Energy, 2016, 111, 513-524.	8.8	58
4	Multi-Agent-Based CBR Recommender System for Intelligent Energy Management in Buildings. IEEE Systems Journal, 2019, 13, 1084-1095.	4.6	32
5	Generation of realistic scenarios for multi-agent simulation of electricity markets. Energy, 2016, 116, 128-139.	8.8	25
6	Multi-Agent Decision Support Tool to Enable Interoperability among Heterogeneous Energy Systems. Applied Sciences (Switzerland), 2018, 8, 328.	2.5	19
7	BRICKS: Building's reasoning for intelligent control knowledge-based system. Sustainable Cities and Society, 2020, 52, 101832.	10.4	19
8	Enabling Communications in Heterogeneous Multi-Agent Systems: Electricity Markets Ontology. Advances in Distributed Computing and Artificial Intelligence Journal, 2016, 5, 15-42.	1.5	19
9	An Interoperable Approach for Energy Systems Simulation: Electricity Market Participation Ontologies. Energies, 2016, 9, 878.	3.1	15
10	Data mining approach to support the generation of Realistic Scenarios for multi-agent simulation of electricity markets. , 2014, , .		14
11	Application Ontology for Multi-Agent and Web-Services' Co-Simulation in Power and Energy Systems. IEEE Access, 2020, 8, 81129-81141.	4.2	13
12	Coalition of distributed generation units to Virtual Power Players - a game theory approach. Integrated Computer-Aided Engineering, 2015, 22, 297-309.	4.6	12
13	Reserve costs allocation model for energy and reserve market simulation. , 2017, , .		12
14	House management system with real and virtual resources: Energy efficiency in residential microgrid. , 2016, , .		9
15	Electricity Markets Ontology to Support MASCEM's Simulations. Communications in Computer and Information Science, 2016, , 393-404.	0.5	9
16	Ontologies to Enable Interoperability of Multi-Agent Electricity Markets Simulation and Decision Support. Electronics (Switzerland), 2021, 10, 1270.	3.1	8
17	Balancing market integration in MASCEM electricity market simulator. , 2012, , .		7
18	Intelligent remuneration and tariffs for virtual power players. , 2013, , .		7

#	Article	IF	Citations
19	Iberian electricity market ontology to enable smart grid market simulation. Energy Informatics, 2018, 1, .	2.3	7
20	Rule-Based Model for Smart Building Supervision and Management. , 2018, , .		7
21	Complex market integration in MASCEM electricity market simulator. , 2011, , .		6
22	EPEX ontology: Enhancing agent-based electricity market simulation. , 2017, , .		6
23	Constrained Generation Bids in Local Electricity Markets: A Semantic Approach. Energies, 2020, 13, 3990.	3.1	6
24	Semantic Web Services for Multi-Agent Systems Interoperability. Lecture Notes in Computer Science, 2019, , 606-616.	1.3	6
25	Smart Grid and Electricity Market joint simulation using complementary Multi-Agent platforms. , 2015, , .		5
26	Nord Pool Ontology to Enhance Electricity Markets Simulation in MASCEM. Lecture Notes in Computer Science, 2017, , 283-294.	1.3	5
27	Multi-agent semantic interoperability in complex energy systems simulation and decision support. , 2019, , .		5
28	From the smart grid to the local electricity market. , 2021, , 63-76.		5
29	Scenarios generation for multi-agent simulation of electricity markets based on intelligent data analysis. , 2013, , .		4
30	Upgrading BRICKSâ€"The Context-Aware Semantic Rule-Based System for Intelligent Building Energy and Security Management. Energies, 2021, 14, 4541.	3.1	4
31	Ontologies for the Interoperability of Heterogeneous Multi-agent Systems in the Scope of Power and Energy Systems. Advances in Intelligent Systems and Computing, 2018, , 300-301.	0.6	4
32	Solar Intensity Characterization Using Data-Mining to Support Solar Forecasting. Advances in Intelligent Systems and Computing, 2015, , 193-201.	0.6	3
33	MASCEM: EPEX SPOT Day-Ahead market integration and simulation. , 2015, , .		3
34	Pan-European Electricity Market Simulation Considering the European Power Network Capacities. , 2015, , .		3
35	Ontology-based model for trusted critical site supervision in FUSE-IT. , 2017, , .		3
36	TOOCC: Enabling heterogeneous systems interoperability in the study of energy systems. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
37	A context-based building security alarm through power and sensors analysis. Energy Informatics, 2018, 1, .	2.3	3
38	Multi-agent Simulation of Continental, Regional, and Micro Electricity Markets. , 2012, , .		2
39	MASCEM restructuring: Ontologies for scenarios generation in power systems simulators. , 2013, , .		2
40	Realistic Multi-agent Simulation of Competitive Electricity Markets. , 2014, , .		2
41	Towards a unified European electricity market: The contribution of data-mining to support realistic simulation studies. , 2014, , .		2
42	Semantic Services Catalog for Multiagent Systems Society. Lecture Notes in Computer Science, 2021, , 229-240.	1.3	2
43	Elspot: Nord Pool Spot Integration in MASCEM Electricity Market Simulator. Communications in Computer and Information Science, 2014, , 262-272.	0.5	2
44	Multi-agent Simulation of Bilateral Contracting in Competitive Electricity Markets. , 2014, , .		1
45	Multi-agent based metalearner using genetic algorithm for decision support in electricity markets. , 2015, , .		1
46	Agent-Based Smart Grid Market Simulation with Connection to Real Infrastructures. Communications in Computer and Information Science, 2015, , 283-295.	0.5	1
47	Power Systems Simulation Using Ontologies to Enable the Interoperability of Multi-Agent Systems. , 2018, , .		1
48	Semantic Interoperability for Multiagent Simulation and Decision Support in Power Systems. Communications in Computer and Information Science, 2021, , 215-226.	0.5	1
49	Multi-agent Systems Society for Power and Energy Systems Simulation. Lecture Notes in Computer Science, 2019, , 126-137.	1.3	1
50	Analysis of strategic wind power participation in energy market using MASCEM simulator. , 2015, , .		0
51	Demonstration of the Multi-Agent Simulator of Competitive Electricity Markets. Lecture Notes in Computer Science, 2013, , 316-319.	1.3	0
52	Demonstration of ALBidS: Adaptive Learning Strategic Bidding System. Lecture Notes in Computer Science, 2016, , 281-285.	1.3	0
53	Tools Control Center to Enable the Joint Simulation of Multi-agent Systems. Advances in Intelligent Systems and Computing, 2018, , 307-308.	0.6	0
54	Demonstration of Tools Control Center for Multi-agent Energy Systems Simulation. Lecture Notes in Computer Science, 2018, , 353-356.	1.3	0