

Zita Vale

List of Publications by Year in descending order

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707
papers

10,386
citations

46984

47
h-index

64755

79
g-index

720
all docs

720
docs citations

720
times ranked

6211
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal scheduling of a renewable micro-grid in an isolated load area using mixed-integer linear programming. Renewable Energy, 2010, 35, 151-156.	4.3	487
2	An Electric Energy Consumer Characterization Framework Based on Data Mining Techniques. IEEE Transactions on Power Systems, 2005, 20, 596-602.	4.6	360
3	Demand response in electrical energy supply: An optimal real time pricing approach. Energy, 2011, 36, 5374-5384.	4.5	269
4	Local Energy Markets: Paving the Path Toward Fully Transactive Energy Systems. IEEE Transactions on Power Systems, 2019, 34, 4081-4088.	4.6	217
5	MASCEM: a multiagent system that simulates competitive electricity markets. IEEE Intelligent Systems, 2003, 18, 54-60.	4.0	203
6	Intelligent Energy Resource Management Considering Vehicle-to-Grid: A Simulated Annealing Approach. IEEE Transactions on Smart Grid, 2012, 3, 535-542.	6.2	171
7	Modified Particle Swarm Optimization Applied to Integrated Demand Response and DG Resources Scheduling. IEEE Transactions on Smart Grid, 2013, 4, 606-616.	6.2	164
8	Towards transactive energy systems: An analysis on current trends. Energy Strategy Reviews, 2019, 26, 100418.	3.3	161
9	Day-Ahead Resource Scheduling Including Demand Response for Electric Vehicles. IEEE Transactions on Smart Grid, 2013, 4, 596-605.	6.2	157
10	MASCEM: Electricity Markets Simulation with Strategic Agents. IEEE Intelligent Systems, 2011, 26, 9-17.	4.0	134
11	Demand response implementation in smart households. Energy and Buildings, 2017, 143, 129-148.	3.1	127
12	Dynamic load management in a smart home to participate in demand response events. Energy and Buildings, 2014, 82, 592-606.	3.1	119
13	Evaluation of the electric vehicle impact in the power demand curve in a smart grid environment. Energy Conversion and Management, 2014, 82, 268-282.	4.4	118
14	Day-ahead resource scheduling in smart grids considering Vehicle-to-Grid and network constraints. Applied Energy, 2012, 96, 183-193.	5.1	114
15	A multi-objective model for scheduling of short-term incentive-based demand response programs offered by electricity retailers. Applied Energy, 2015, 151, 102-118.	5.1	111
16	An integrated approach for distributed energy resource short-term scheduling in smart grids considering realistic power system simulation. Energy Conversion and Management, 2012, 64, 273-288.	4.4	109
17	Distributed generation and demand response dispatch for a virtual power player energy and reserve provision. Renewable Energy, 2014, 66, 686-695.	4.3	104
18	Intelligent energy resource management considering vehicle-to-grid: A Simulated Annealing approach. , 2012, , .		102

#	ARTICLE	IF	CITATIONS
19	Electric Vehicle Scenario Simulator Tool for Smart Grid Operators. <i>Energies</i> , 2012, 5, 1881-1899.	1.6	93
20	A stochastic model for energy resources management considering demand response in smart grids. <i>Electric Power Systems Research</i> , 2017, 143, 599-610.	2.1	93
21	Distributed energy resource short-term scheduling using Signaled Particle Swarm Optimization. <i>Energy</i> , 2012, 42, 466-476.	4.5	90
22	Incentive-based demand response programs designed by asset-light retail electricity providers for the day-ahead market. <i>Energy</i> , 2015, 82, 786-799.	4.5	87
23	Demand Response Management in Power Systems Using Particle Swarm Optimization. <i>IEEE Intelligent Systems</i> , 2013, 28, 43-51.	4.0	85
24	Aggregation and Remuneration of Electricity Consumers and Producers for the Definition of Demand-Response Programs. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 952-961.	7.2	82
25	A new approach for multi-agent coalition formation and management in the scope of electricity markets. <i>Energy</i> , 2011, 36, 5004-5015.	4.5	80
26	Application-Specific Modified Particle Swarm Optimization for energy resource scheduling considering vehicle-to-grid. <i>Applied Soft Computing Journal</i> , 2013, 13, 4264-4280.	4.1	80
27	A data-mining-based methodology to support MV electricity customers' characterization. <i>Energy and Buildings</i> , 2015, 91, 16-25.	3.1	70
28	Flexibility management model of home appliances to support DSO requests in smart grids. <i>Sustainable Cities and Society</i> , 2020, 55, 102048.	5.1	70
29	Distributed, Agent-Based Intelligent System for Demand Response Program Simulation in Smart Grids. <i>IEEE Intelligent Systems</i> , 2014, 29, 56-65.	4.0	68
30	Adaptive learning in agents behaviour: A framework for electricity markets simulation. <i>Integrated Computer-Aided Engineering</i> , 2014, 21, 399-415.	2.5	67
31	Two-Stage Stochastic Model Using Benders' Decomposition for Large-Scale Energy Resource Management in Smart Grids. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 5905-5914.	3.3	67
32	Stochastic interval-based optimal offering model for residential energy management systems by household owners. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 105, 201-219.	3.3	65
33	Distributed energy resources management using plug-in hybrid electric vehicles as a fuel-shifting demand response resource. <i>Energy Conversion and Management</i> , 2015, 97, 78-93.	4.4	64
34	Multilevel Negotiation in Smart Grids for VPP Management of Distributed Resources. <i>IEEE Intelligent Systems</i> , 2012, 27, 8-16.	4.0	63
35	A multi-objective model for the day-ahead energy resource scheduling of a smart grid with high penetration of sensitive loads. <i>Applied Energy</i> , 2016, 162, 1074-1088.	5.1	63
36	An expert system with temporal reasoning for alarm processing in power system control centers. <i>IEEE Transactions on Power Systems</i> , 1993, 8, 1307-1314.	4.6	62

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37	Multi-agent simulation of competitive electricity markets: Autonomous systems cooperation for European market modeling. <i>Energy Conversion and Management</i> , 2015, 99, 387-399.	4.4	59
38	MASCEM: Optimizing the performance of a multi-agent system. <i>Energy</i> , 2016, 111, 513-524.	4.5	58
39	Adaptive Portfolio Optimization for Multiple Electricity Markets Participation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 1720-1733.	7.2	57
40	A multi-objective optimization of the active and reactive resource scheduling at a distribution level in a smart grid context. <i>Energy</i> , 2015, 85, 236-250.	4.5	54
41	Ensemble learning for electricity consumption forecasting in office buildings. <i>Neurocomputing</i> , 2021, 423, 747-755.	3.5	54
42	Optimal Model for Local Energy Community Scheduling Considering Peer to Peer Electricity Transactions. <i>IEEE Access</i> , 2021, 9, 12420-12430.	2.6	52
43	A Decision-Support System Based on Particle Swarm Optimization for Multiperiod Hedging in Electricity Markets. <i>IEEE Transactions on Power Systems</i> , 2007, 22, 995-1003.	4.6	51
44	Coordination between mid-term maintenance outage decisions and short-term security-constrained scheduling in smart distribution systems. <i>Applied Energy</i> , 2012, 96, 281-291.	5.1	51
45	Multi-Agent Microgrid Management System for Single-Board Computers: A Case Study on Peer-to-Peer Energy Trading. <i>IEEE Access</i> , 2020, 8, 64169-64183.	2.6	51
46	Smart energy community: A systematic review with metanalysis. <i>Energy Strategy Reviews</i> , 2021, 36, 100678.	3.3	51
47	MASGrIP — A Multi-Agent Smart Grid Simulation Platform. , 2012, , .		50
48	Distribution system operation supported by contextual energy resource management based on intelligent SCADA. <i>Renewable Energy</i> , 2013, 52, 143-153.	4.3	50
49	A hybrid simulated annealing approach to handle energy resource management considering an intensive use of electric vehicles. <i>Energy</i> , 2014, 67, 81-96.	4.5	49
50	Implementation of a Real-Time Microgrid Simulation Platform Based on Centralized and Distributed Management. <i>Energies</i> , 2017, 10, 806.	1.6	49
51	Optimal expansion planning considering storage investment and seasonal effect of demand and renewable generation. <i>Renewable Energy</i> , 2019, 138, 937-954.	4.3	49
52	Demand Response Optimization Using Particle Swarm Algorithm Considering Optimum Battery Energy Storage Schedule in a Residential House. <i>Energies</i> , 2019, 12, 1645.	1.6	48
53	Electric Vehiclesâ€™ User Charging Behaviour Simulator for a Smart City. <i>Energies</i> , 2019, 12, 1470.	1.6	47
54	Dynamic electricity pricing for electric vehicles using stochastic programming. <i>Energy</i> , 2017, 122, 111-127.	4.5	46

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55	Case based reasoning with expert system and swarm intelligence to determine energy reduction in buildings energy management. Energy and Buildings, 2017, 155, 269-281.	3.1	46
56	Constrained consumption shifting management in the distributed energy resources scheduling considering demand response. Energy Conversion and Management, 2015, 93, 309-320.	4.4	45
57	Support Vector Machines for decision support in electricity markets ^{x3} strategic bidding. Neurocomputing, 2016, 172, 438-445.	3.5	44
58	Congestion management in active distribution networks through demand response implementation. Sustainable Energy, Grids and Networks, 2019, 17, 100185.	2.3	44
59	Intelligent multi-player smart grid management considering distributed energy resources and demand response. , 2010, , .		43
60	Multi-dimensional signaling method for population-based metaheuristics: Solving the large-scale scheduling problem in smart grids. Swarm and Evolutionary Computation, 2016, 29, 13-32.	4.5	43
61	Multi-agent based electricity market simulator with VPP: Conceptual and implementation issues. , 2009, , .		41
62	An optimal scheduling problem in distribution networks considering V2G. , 2011, , .		41
63	Non-technical losses: A systematic contemporary article review. Renewable and Sustainable Energy Reviews, 2021, 147, 111205.	8.2	41
64	Demi — A demand response simulator in the context of intensive use of distributed generation. , 2010, , .		38
65	Scenario generation for electric vehicles' uncertain behavior in a smart city environment. Energy, 2016, 111, 664-675.	4.5	37
66	Agent-based architecture for demand side management using real-time resourcesâ€™ priorities and a deterministic optimization algorithm. Journal of Cleaner Production, 2019, 241, 118154.	4.6	37
67	Decision Support for Small Players Negotiations Under a Transactive Energy Framework. IEEE Transactions on Power Systems, 2019, 34, 4015-4023.	4.6	37
68	Simulated annealing to handle energy and ancillary services joint management considering electric vehicles. Electric Power Systems Research, 2016, 136, 383-397.	2.1	36
69	Distributed energy resources management with cyber-physical SCADA in the context of future smart grids. , 2010, , .		35
70	Dynamic artificial neural network for electricity market prices forecast. , 2012, , .		34
71	Hybrid fuzzy Monte Carlo technique for reliability assessment in transmission power systems. Energy, 2012, 45, 1007-1017.	4.5	34
72	Strategic bidding in electricity markets: An agent-based simulator with game theory for scenario analysis. Integrated Computer-Aided Engineering, 2013, 20, 335-346.	2.5	34

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73	Optimal Distribution Grid Operation Using DLMP-Based Pricing for Electric Vehicle Charging Infrastructure in a Smart City. <i>Energies</i> , 2019, 12, 686.	1.6	34
74	Towards a future SCADA. , 2009, , .		33
75	Cost allocation model for distribution networks considering high penetration of distributed energy resources. <i>Electric Power Systems Research</i> , 2015, 124, 120-132.	2.1	33
76	Demand response performance and uncertainty: A systematic literature review. <i>Energy Strategy Reviews</i> , 2022, 41, 100857.	3.3	33
77	R-Node: New Pipelined Approach for an Effective Reconfigurable Wireless Sensor Node. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 892-905.	5.9	32
78	Multi-Agent-Based CBR Recommender System for Intelligent Energy Management in Buildings. <i>IEEE Systems Journal</i> , 2019, 13, 1084-1095.	2.9	32
79	VPP operating in the isolated grid. , 2008, , .		31
80	Genetic algorithm methodology applied to intelligent house control. , 2011, , .		31
81	A robust model for aggregated bidding of energy storages and wind resources in the joint energy and reserve markets. <i>Energy</i> , 2022, 238, 121735.	4.5	31
82	An Intelligent Smart Plug with Shared Knowledge Capabilities. <i>Sensors</i> , 2018, 18, 3961.	2.1	30
83	Microgrid management system based on a multi-agent approach: An office building pilot. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 154, 107427.	2.5	30
84	A decision-support simulation tool for virtual power producers. , 2005, , .		29
85	Training Control Centers' Operators in Incident Diagnosis and Power Restoration Using Intelligent Tutoring Systems. <i>IEEE Transactions on Learning Technologies</i> , 2009, 2, 135-147.	2.2	29
86	Multilayer perceptron neural networks training through charged system search and its Application for non-technical losses detection. , 2013, , .		29
87	Decision Support for Energy Contracts Negotiation with Game Theory and Adaptive Learning. <i>Energies</i> , 2015, 8, 9817-9842.	1.6	29
88	Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings. <i>Energies</i> , 2018, 11, 3430.	1.6	29
89	Hybrid-adaptive differential evolution with decay function (HyDE-DF) applied to the 100-digit challenge competition on single objective numerical optimization. , 2019, , .		29
90	Data mining techniques application in power distribution utilities. , 2008, , .		27

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91	Liberalization and customer behavior in the Portuguese residential retail electricity market. Utilities Policy, 2019, 59, 100919.	2.1	27
92	A Demand Response Approach to Scheduling Constrained Load Shifting. Energies, 2019, 12, 1752.	1.6	27
93	Stochastic short-term maintenance scheduling of GENCOs in an oligopolistic electricity market. Applied Energy, 2013, 101, 667-677.	5.1	26
94	Optimal Approach for Reliability Assessment in Radial Distribution Networks. IEEE Systems Journal, 2017, 11, 1846-1856.	2.9	26
95	ERIGrid Holistic Test Description for Validating Cyber-Physical Energy Systems. Energies, 2019, 12, 2722.	1.6	26
96	Bidding in local electricity markets with cascading wholesale market integration. International Journal of Electrical Power and Energy Systems, 2021, 131, 107045.	3.3	26
97	Notice of Violation of IEEE Publication Principles: Optimal Cost-Benefit for the Location of Capacitors in Radial Distribution Systems. IEEE Transactions on Power Delivery, 2009, 24, 787-796.	2.9	25
98	Notice of Violation of IEEE Publication Principles: A Benders Decomposition and Fuzzy Multicriteria Approach for Distribution Networks Remuneration Considering DG. IEEE Transactions on Power Systems, 2009, 24, 1091-1101.	4.6	25
99	Demand response design and use based on network locational marginal prices. International Journal of Electrical Power and Energy Systems, 2014, 61, 180-191.	3.3	25
100	Demand Response Programs Design and Use Considering Intensive Penetration of Distributed Generation. Energies, 2015, 8, 6230-6246.	1.6	25
101	Generation of realistic scenarios for multi-agent simulation of electricity markets. Energy, 2016, 116, 128-139.	4.5	25
102	Industrial Facility Electricity Consumption Forecast Using Artificial Neural Networks and Incremental Learning. Energies, 2020, 13, 4774.	1.6	24
103	Agricultural irrigation scheduling for a crop management system considering water and energy use optimization. Energy Reports, 2020, 6, 133-139.	2.5	24
104	Differential evolution strategies for large-scale energy resource management in smart grids. , 2017, , .		23
105	Organization-based Multi-Agent structure of the Smart Home Electricity System. , 2017, , .		23
106	A New Hybrid-Adaptive Differential Evolution for a Smart Grid Application Under Uncertainty. , 2018, , .		23
107	Data Mining Contributions to Characterize MV Consumers and to Improve the Suppliers-Consumers Settlements. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	22
108	A long-term risk management tool for electricity markets using swarm intelligence. Electric Power Systems Research, 2010, 80, 380-389.	2.1	22

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109	VPP's multi-level negotiation in smart grids and competitive electricity markets. , 2011, , .		22
110	Typical load profiles in the smart grid context — A clustering methods comparison. , 2012, , .		22
111	Evaluation of different initial solution algorithms to be used in the heuristics optimization to solve the energy resource scheduling in smart grids. Applied Soft Computing Journal, 2016, 48, 491-506.	4.1	22
112	Ant Colony Search algorithm for the optimal power flow problem. , 2011, , .		21
113	Multi-objective parallel particle swarm optimization for day-ahead Vehicle-to-Grid scheduling. , 2013, , .		21
114	2017 IEEE competition on modern heuristic optimizers for smart grid operation: Testbeds and results. Swarm and Evolutionary Computation, 2019, 44, 420-427.	4.5	21
115	Distributed Energy Resource Scheduling with Focus on Demand Response Complex Contracts. Journal of Modern Power Systems and Clean Energy, 2021, 9, 1172-1182.	3.3	21
116	An Optimization Model for Energy Community Costs Minimization Considering a Local Electricity Market between Prosumers and Electric Vehicles. Electronics (Switzerland), 2021, 10, 129.	1.8	21
117	A Comparative Analysis of Clustering Algorithms Applied to Load Profiling. , 2003, , 73-85.		21
118	Sparse: an intelligent alarm processor and operator assistant. IEEE Intelligent Systems, 1997, 12, 86-93.	1.1	20
119	Using data mining techniques to support DR programs definition in smart grids. , 2011, , .		20
120	Load Forecasting in an Office Building with Different Data Structure and Learning Parameters. Forecasting, 2021, 3, 242-254.	1.6	20
121	Single contract power optimization: A novel business model for smart buildings using intelligent energy management. International Journal of Electrical Power and Energy Systems, 2022, 135, 107534.	3.3	20
122	Multi-Agent Decision Support Tool to Enable Interoperability among Heterogeneous Energy Systems. Applied Sciences (Switzerland), 2018, 8, 328.	1.3	19
123	BRICKS: Buildingâ€™s reasoning for intelligent control knowledge-based system. Sustainable Cities and Society, 2020, 52, 101832.	5.1	19
124	Energy Management in Smart Building by a Multi-Objective Optimization Model and Pascoletti-Serafini Scalarization Approach. Processes, 2021, 9, 257.	1.3	19
125	Dynamic Fuzzy Clustering Method for Decision Support in Electricity Markets Negotiation. Advances in Distributed Computing and Artificial Intelligence Journal, 2016, 5, 23-35.	1.1	19
126	Enabling Communications in Heterogeneous Multi-Agent Systems: Electricity Markets Ontology. Advances in Distributed Computing and Artificial Intelligence Journal, 2016, 5, 15-42.	1.1	19

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127	Virtual Power Producers Market Strategies. , 2008, , .		18
128	Multi-Period Observation Clustering for Tariff Definition in a Weekly Basis Remuneration of Demand Response. Energies, 2019, 12, 1248.	1.6	18
129	Demand Response of Residential Houses Equipped with PV-Battery Systems: An Application Study Using Evolutionary Algorithms. Energies, 2020, 13, 2466.	1.6	18
130	Joint Optimal Allocation of Electric Vehicle Charging Stations and Renewable Energy Sources Including CO2 Emissions. Energy Informatics, 2021, 4, .	1.4	18
131	Energy-constrained model for scheduling of battery storage systems in joint energy and ancillary service markets based on the energy throughput concept. International Journal of Electrical Power and Energy Systems, 2021, 133, 107213.	3.3	18
132	Using decision tree to select forecasting algorithms in distinct electricity consumption context of an office building. Energy Reports, 2022, 8, 417-422.	2.5	18
133	Forecasting Electricity Prices with Historical Statistical Information using Neural Networks and Clustering Techniques. , 2006, , .		17
134	Multi-agent electricity market simulation with dynamic strategies & virtual power producers. , 2008, , .		17
135	MASCEM - An Electricity Market Simulator providing Coalition Support for Virtual Power Players. , 2009, , .		17
136	Scheduling distributed energy resources in an isolated grid — An artificial neural network approach. , 2010, , .		17
137	Simulated Annealing metaheuristic to solve the optimal power flow. , 2011, , .		17
138	Intelligent supervisory control system for home devices using a cyber physical approach. Integrated Computer-Aided Engineering, 2012, 19, 67-79.	2.5	17
139	Short-term load forecasting based on load profiling. , 2013, , .		17
140	Electrical Energy Consumption Forecast Using External Facility Data. , 2015, , .		17
141	Distributed Energy Resources Scheduling and Aggregation in the Context of Demand Response Programs. Energies, 2018, 11, 1987.	1.6	17
142	Office building participation in demand response programs supported by intelligent lighting management. Energy Informatics, 2018, 1, .	1.4	17
143	Context aware Q-Learning-based model for decision support in the negotiation of energy contracts. International Journal of Electrical Power and Energy Systems, 2019, 104, 489-501.	3.3	17
144	Production Line Optimization to Minimize Energy Cost and Participate in Demand Response Events. Energies, 2021, 14, 462.	1.6	17

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145	A Data-Mining-Based Methodology for Transmission Expansion Planning. IEEE Intelligent Systems, 2011, 26, 28-37.	4.0	16
146	Methods for Aggregation and Remuneration of Distributed Energy Resources. Applied Sciences (Switzerland), 2018, 8, 1283.	1.3	16
147	Reschedule of Distributed Energy Resources by an Aggregator for Market Participation. Energies, 2018, 11, 713.	1.6	16
148	A Mixed Binary Linear Programming Model for Optimal Energy Management of Smart Buildings. Energies, 2020, 13, 1719.	1.6	16
149	Portfolio optimization of electricity markets participation using forecasting error in risk formulation. International Journal of Electrical Power and Energy Systems, 2021, 129, 106739.	3.3	16
150	Better KBS for real-time applications in power system control centers: the experience of SPARSE project. Computers in Industry, 1998, 37, 97-111.	5.7	15
151	A probabilistic methodology for distributed generation location in isolated electrical service area. Electric Power Systems Research, 2010, 80, 390-399.	2.1	15
152	Contextual intelligent load management with ANN adaptive learning module. , 2011, , .		15
153	Mixed integer non-linear programming and Artificial Neural Network based approach to ancillary services dispatch in competitive electricity markets. Applied Energy, 2013, 108, 261-270.	5.1	15
154	Short-term wind speed forecasting using Support Vector Machines. , 2014, , .		15
155	Hour-ahead energy resource management in university campus microgrid. , 2015, , .		15
156	An Interoperable Approach for Energy Systems Simulation: Electricity Market Participation Ontologies. Energies, 2016, 9, 878.	1.6	15
157	Electrical Energy Consumption Forecast Using Support Vector Machines. , 2016, , .		15
158	Dynamic Pricing for Demand Response Considering Market Price Uncertainty. Energies, 2017, 10, 1245.	1.6	15
159	IoT-Based Human Fall Detection System. Electronics (Switzerland), 2022, 11, 592.	1.8	15
160	Process planning using a genetic algorithm approach. , 0, , .		14
161	The role of demand response in future power systems. , 2009, , .		14
162	Optimal methodology for distribution systems reconfiguration based on OPF and solved by decomposition technique. European Transactions on Electrical Power, 2010, 20, 730-746.	1.0	14

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163	Technical and economic resources management in smart grids using heuristic optimization methods. , 2010, , .		14
164	Data mining approach to support the generation of Realistic Scenarios for multi-agent simulation of electricity markets. , 2014, , .		14
165	Energy consumption forecasting based on Hybrid Neural Fuzzy Inference System. , 2016, , .		14
166	Energy flexibility assessment of a multi agent-based smart home energy system. , 2017, , .		14
167	A Short Review on Data Mining Techniques for Electricity Customers Characterization. , 2019, , .		14
168	Strategic participation in competitive electricity markets: Internal versus sectorial data analysis. International Journal of Electrical Power and Energy Systems, 2019, 108, 432-444.	3.3	14
169	Hybrid approach based on particle swarm optimization for electricity markets participation. Energy Informatics, 2019, 2, .	1.4	14
170	Rating the Participation in Demand Response Programs for a More Accurate Aggregated Schedule of Consumers after Enrolment Period. Electronics (Switzerland), 2020, 9, 349.	1.8	14
171	Robust Energy Resource Management Incorporating Risk Analysis Using Conditional Value-at-Risk. IEEE Access, 2022, 10, 16063-16077.	2.6	14
172	Competitive electricity markets: simulation to improve decision making. , 0, , .		13
173	Particle swarm optimization applied to integrated demand response resources scheduling. , 2011, , .		13
174	Demand response programs definition using demand price elasticity to define consumers aggregation for an improved remuneration structure. , 2013, , .		13
175	Six thinking hats: A novel metalearner for intelligent decision support in electricity markets. Decision Support Systems, 2015, 79, 1-11.	3.5	13
176	Application of a Home Energy Management System for Incentive-Based Demand Response Program Implementation. , 2016, , .		13
177	Application of an optimization-based curtailment service provider in real-time simulation. Energy Informatics, 2018, 1, .	1.4	13
178	A Local Electricity Market Model for DSO Flexibility Trading. , 2019, , .		13
179	Application Ontology for Multi-Agent and Web-Servicesâ€™ Co-Simulation in Power and Energy Systems. IEEE Access, 2020, 8, 81129-81141.	2.6	13
180	Recommendation of Workplaces in a Coworking Building: A Cyber-Physical Approach Supported by a Context-Aware Multi-Agent System. Sensors, 2020, 20, 3597.	2.1	13

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181	Ramping of Demand Response Event with Deploying Distinct Programs by an Aggregator. Energies, 2020, 13, 1389.	1.6	13
182	Boosting the Usage of Green Energy for EV Charging in Smart Buildings Managed by an Aggregator Through a Novel Renewable Usage Index. IEEE Access, 2021, 9, 105357-105368.	2.6	13
183	Single-unit and multi-unit auction framework for peer-to-peer transactions. International Journal of Electrical Power and Energy Systems, 2021, 133, 107235.	3.3	13
184	Using diverse sensors in load forecasting in an office building to support energy management. Energy Reports, 2020, 6, 182-187.	2.5	13
185	Demand response and dispatchable generation as ancillary services to support the low voltage distribution network operation. Energy Reports, 2022, 8, 7-15.	2.5	13
186	Electric Mobility: An Overview of the Main Aspects Related to the Smart Grid. Electronics (Switzerland), 2022, 11, 1311.	1.8	13
187	On the complexity of precedence graphs for assembly and task planning. Computers in Industry, 1998, 36, 101-111.	5.7	12
188	Intelligent SCADA for Load control. , 2010, , .		12
189	Coalition of distributed generation units to Virtual Power Players - a game theory approach. Integrated Computer-Aided Engineering, 2015, 22, 297-309.	2.5	12
190	Resource scheduling in residential microgrids considering energy selling to external players. , 2015, , .		12
191	Reserve costs allocation model for energy and reserve market simulation. , 2017, , .		12
192	Smart City: A GECAD-BISITE Energy Management Case Study. Advances in Intelligent Systems and Computing, 2018, , 92-100.	0.5	12
193	Bid Definition Method for Electricity Markets Based on an Adaptive Multiagent System. Advances in Intelligent and Soft Computing, 2011, , 309-316.	0.2	12
194	Microstructure, Optical, and Dielectric Characterization of Porous Gel Silica Impregnated with PMMA. Materials Characterization, 1998, 40, 1-5.	1.9	11
195	Distributed generation producers’ reserve management. , 2008, , .		11
196	Optimization techniques for power distribution planning with uncertainties: A comparative study. , 2009, , .		11
197	Energy resource scheduling in a real distribution network managed by several virtual power players. , 2012, , .		11
198	Multi-agent approach for power system in a smart grid protection context. , 2013, , .		11

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199	Negotiation context analysis in electricity markets. Energy, 2015, 85, 78-93.	4.5	11
200	A Robust Optimization for Day-ahead Microgrid Dispatch Considering Uncertainties. IFAC-PapersOnLine, 2017, 50, 3350-3355.	0.5	11
201	Do Supply Chain Management Practices Influence Firm Performance?. International Journal of Information Systems and Supply Chain Management, 2020, 13, 1-22.	0.6	11
202	Data mining techniques for electricity customer characterization. Procedia Computer Science, 2021, 186, 475-488.	1.2	11
203	Web-based platform for the management of citizen energy communities and their members. Energy Informatics, 2021, 4, .	1.4	11
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