Zita Vale

List of Publications by Year in Descending Order

591 papers	6,958 citations	40 h-index	67 g-index
720 ext. papers	8,764 ext. citations	3.4 avg, IF	6.55 L-index

#	Paper	IF	Citations
591	Robust Energy Resource Management incorporating Risk Analysis using Conditional Value-at-Risk. *IEEE Access*, **2022**, 1-1	3.5	0
590	Electric vehicles local flexibility strategies for congestion relief on distribution networks. *Energy Reports*, **2022**, 8, 62-69	4.6	0
589	Scheduling of battery energy storages in the joint energy and reserve markets based on the static frequency of power system. *Journal of Energy Storage*, **2022**, 49, 104115	7.8	1
588	Demand response and dispatchable generation as ancillary services to support the low voltage distribution network operation. *Energy Reports*, **2022**, 8, 7-15	4.6	2
587	Selection of features in reinforcement learning applied to energy consumption forecast in buildings according to different contexts. *Energy Reports*, **2022**, 8, 423-429	4.6	0
586	Application of distinct demand response program during the ramping and sustained response period. *Energy Reports*, **2022**, 8, 411-416	4.6	0
585	Using decision tree to select forecasting algorithms in distinct electricity consumption context of an office building. *Energy Reports*, **2022**, 8, 417-422	4.6	3
584	Clustering distributed Energy Storage units for the aggregation of optimized local solar energy. *Energy Reports*, **2022**, 8, 405-410	4.6	0
583	Contextual learning for energy forecasting in buildings. *International Journal of Electrical Power and Energy Systems*, **2022**, 136, 107707	5.1	0
582	Managing Smart City Power Network by Shifting Electricity Consumers Demand. *Lecture Notes in Networks and Systems*, **2022**, 81-91	0.5	0
581	IoT-Based Human Fall Detection Solution Using Morlet Wavelet. *Lecture Notes in Networks and Systems*, **2022**, 14-25	0.5	1
580	Intraday Energy Resource Scheduling for Load Aggregators Considering Local Market. *Advances in Intelligent Systems and Computing*, **2022**, 233-242	0.4	
579	Energy Predictions for System on a Chip Solutions. *Advances in Intelligent Systems and Computing*, **2022**, 243-250	0.4	1
578	A robust model for aggregated bidding of energy storages and wind resources in the joint energy and reserve markets. *Energy*, **2022**, 238, 121735	7.9	4
577	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	5.1	5
576	Intelligent Simulation and Emulation Platform for Energy Management in Buildings and Microgrids. *Intelligent Systems Reference Library*, **2022**, 167-181	0.8	
575	Goal Programming Approach for Energy Management of Smart Building. *IEEE Access*, **2022**, 10, 25341-25348	3.9	1

574	A Review of Unpredictable Renewable Energy Sources Through Electric Vehicles on Islands. *Lecture Notes in Networks and Systems*, **2022**, 751-760	0.5	
573	IoT-Based Human Fall Detection System. *Electronics (Switzerland)*, **2022**, 11, 592	2.6	2
572	A Trustworthy Building Energy Management System to Enable Direct IoT Devices Participation in Demand Response Programs. *Electronics (Switzerland)*, **2022**, 11, 897	2.6	0
571	Evaluation Metrics to Assess the Most Suitable Energy Community End-Users to Participate in Demand Response. *Energies*, **2022**, 15, 2380	3.1	1
570	Near real-time management of appliances, distributed generation and electric vehicles for demand response participation. *Integrated Computer-Aided Engineering*, **2022**, 1-20	5.2	0
569	Hour-ahead energy resource scheduling optimization for smart power distribution networks considering local energy market. *Energy Reports*, **2022**, 8, 575-582	4.6	1
568	Electric Mobility: An Overview of the Main Aspects Related to the Smart Grid. *Electronics (Switzerland)*, **2022**, 11, 1311	2.6	3
567	Demand response performance and uncertainty: A systematic literature review. *Energy Strategy Reviews*, **2022**, 41, 100857	9.8	3
566	Impact of Forecasting Models Errors in a Peer-to-Peer Energy Sharing Market. *Energies*, **2022**, 15, 3543	3.1	0
565	Dynamic remuneration of electricity consumers flexibility. *Energy Reports*, **2022**, 8, 623-627	4.6	0
564	Optimal Contract Power and Battery Energy Storage System Capacity for Smart Buildings **2021**,		2
563	Energy Management Model for HVAC Control Supported by Reinforcement Learning. *Energies*, **2021**, 14, 8210	3.1	1
562	A P2P Electricity Negotiation Agent Systems in Urban Smart Grids. *Advances in Intelligent Systems and Computing*, **2021**, 97-106	0.4	1
561	Coordination of Home Appliances for Demand Response: An Improved Optimization Model and Approach. *IEEE Access*, **2021**, 9, 146183-146194	3.5	2
560	Short Time Electricity Consumption Forecast in an Industry Facility. *IEEE Transactions on Industry Applications*, **2021**, 1-1	4.3	2
559	Load Forecasting in an Office Building with Different Data Structure and Learning Parameters. *Forecasting*, **2021**, 3, 242-254	2.3	6
558	A methodology for energy key performance indicators analysis. *Energy Informatics*, **2021**, 4,	2.8	3
557	Ontologies to Enable Interoperability of Multi-Agent Electricity Markets Simulation and Decision Support. *Electronics (Switzerland)*, **2021**, 10, 1270	2.6	2

556	Evolutionary Algorithms for Energy Scheduling under uncertainty considering Multiple Aggregators **2021**,		3
555	Prosumer Community Portfolio Optimization via Aggregator: The Case of the Iberian Electricity Market and Portuguese Retail Market. *Energies*, **2021**, 14, 3747	3.1	3
554	Upgrading BRICKSThe Context-Aware Semantic Rule-Based System for Intelligent Building Energy and Security Management. *Energies*, **2021**, 14, 4541	3.1	2
553	Smart energy community: A systematic review with metanalysis. *Energy Strategy Reviews*, **2021**, 36, 100678	9.8	8
552	Ensemble learning for electricity consumption forecasting in office buildings. *Neurocomputing*, **2021**, 423, 747-755	5.4	26
551	Energy Management in Smart Building by a Multi-Objective Optimization Model and Pascoletti-Serafini Scalarization Approach. *Processes*, **2021**, 9, 257	2.9	9
550	Optimizing Energy Consumption of Household Appliances Using PSO and GWO. *Lecture Notes in Computer Science*, **2021**, 137-150	0.9	0
549	Distributed Energy Resource Scheduling with Focus on Demand Response Complex Contracts. *Journal of Modern Power Systems and Clean Energy*, **2021**, 9, 1172-1182	4	5
548	Coordination strategies in distribution network considering multiple aggregators and high penetration of electric vehicles. *Procedia Computer Science*, **2021**, 186, 698-705	1.6	1
547	. *IEEE Access*, **2021**, 9, 105357-105368	3.5	2
546	PV Generation Forecasting Model for Energy Management in Buildings. *Lecture Notes in Computer Science*, **2021**, 176-182	0.9	1
545	Multiagent Simulation of Demand Flexibility Integration in Local Energy Markets. *E3S Web of Conferences*, **2021**, 239, 00010	0.5	
544	An Optimization Based Community Model of Consumers and Prosumers: A Real-Time Simulation and Emulation Approach. *E3S Web of Conferences*, **2021**, 239, 00024	0.5	0
543	Electricity markets and local electricity markets in Europe **2021**, 311-340		1
542	Data mining techniques for electricity customer characterization. *Procedia Computer Science*, **2021**, 186, 475-488	1.6	3
541	Production Line Optimization to Minimize Energy Cost and Participate in Demand Response Events. *Energies*, **2021**, 14, 462	3.1	4
540	. *IEEE Access*, **2021**, 9, 51519-51535	3.5	0
539	Optimisation for Coalitions Formation Considering the Fairness in Flexibility Market Participation. *E3S Web of Conferences*, **2021**, 239, 00016	0.5	

538	An Optimization Model for Energy Community Costs Minimization Considering a Local Electricity Market between Prosumers and Electric Vehicles. *Electronics (Switzerland)*, **2021**, 10, 129	2.6	9
537	Semantic Services Catalog for Multiagent Systems Society. *Lecture Notes in Computer Science*, **2021**, 229-240	0.3	
536	Optimal Model for Local Energy Community Scheduling Considering Peer to Peer Electricity Transactions. *IEEE Access*, **2021**, 9, 12420-12430	3.5	16
535	MARTINE: A Platform for Real-Time Energy Management in Smart Grids. *Energies*, **2021**, 14, 1820	3.1	2
534	Portfolio optimization of electricity markets participation using forecasting error in risk formulation. *International Journal of Electrical Power and Energy Systems*, **2021**, 129, 106739	5.1	5
533	Web-based platform for the management of citizen energy communities and their members. *Energy Informatics*, **2021**, 4,	2.8	1
532	Climatization and luminosity optimization of buildings using genetic algorithm, random forest, and regression models. *Energy Informatics*, **2021**, 4,	2.8	1
531	A hybrid intelligent classifier for anomaly detection. *Neurocomputing*, **2021**, 452, 498-507	5.4	2
530	Joint Optimal Allocation of Electric Vehicle Charging Stations and Renewable Energy Sources Including CO2 Emissions. *Energy Informatics*, **2021**, 4,	2.8	3
529	Non-technical losses: A systematic contemporary article review. *Renewable and Sustainable Energy Reviews*, **2021**, 147, 111205	16.2	8
528	Bidding in local electricity markets with cascading wholesale market integration. *International Journal of Electrical Power and Energy Systems*, **2021**, 131, 107045	5.1	5
527	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	5.1	2
526	Single-unit and multi-unit auction framework for peer-to-peer transactions. *International Journal of Electrical Power and Energy Systems*, **2021**, 133, 107235	5.1	5
525	Demand Response Programs Management in an Energy Community with Diversity of Appliances. *E3S Web of Conferences*, **2021**, 239, 00023	0.5	
524	Semantic Interoperability for Multiagent Simulation and Decision Support in Power Systems. *Communications in Computer and Information Science*, **2021**, 215-226	0.3	
523	Intelligent Energy-Oriented Home **2021**, 269-289		
522	From the smart grid to the local electricity market **2021**, 63-76		0
521	Industrial Facility Electricity Consumption Forecast Using Artificial Neural Networks and Incremental Learning. *Energies*, **2020**, 13, 4774	3.1	10

520	Combining real-time and fixed tariffs in the demand response aggregation and remuneration. *Energy Reports*, **2020**, 6, 114-119	4.6	1
519	Do Supply Chain Management Practices Influence Firm Performance?. *International Journal of Information Systems and Supply Chain Management*, **2020**, 13, 1-22	0.6	4
518	Demand Response of Residential Houses Equipped with PV-Battery Systems: An Application Study Using Evolutionary Algorithms. *Energies*, **2020**, 13, 2466	3.1	14
517	Effects of elasticity parameter definition for real-time pricing remuneration considering different user types. *Energy Reports*, **2020**, 6, 127-132	4.6	2
516	Air conditioner consumption optimization in an office building considering user comfort. *Energy Reports*, **2020**, 6, 120-126	4.6	2
515	Agricultural irrigation scheduling for a crop management system considering water and energy use optimization. *Energy Reports*, **2020**, 6, 133-139	4.6	13
514	Rating the Participation in Demand Response Programs for a More Accurate Aggregated Schedule of Consumers after Enrolment Period. *Electronics (Switzerland)*, **2020**, 9, 349	2.6	9
513	Adjacent Markets Influence Over Electricity TradingIberian Benchmark Study. *Energies*, **2020**, 13, 2808	3.1	1
512	Use of Sensors and Analyzers Data for Load Forecasting: A Two Stage Approach. *Sensors*, **2020**, 20,	3.8	4
511	Flexibility management model of home appliances to support DSO requests in smart grids. *Sustainable Cities and Society*, **2020**, 55, 102048	10.1	37
510	Consumption Optimization in an Office Building Considering Flexible Loads and User Comfort. *Sensors*, **2020**, 20,	3.8	3
509	Multi-Agent Microgrid Management System for Single-Board Computers: A Case Study on Peer-to-Peer Energy Trading. *IEEE Access*, **2020**, 8, 64169-64183	3.5	32
508	A Mixed Binary Linear Programming Model for Optimal Energy Management of Smart Buildings. *Energies*, **2020**, 13, 1719	3.1	8
507	Clustering Direct Load Control Appliances in the Context of Demand Response Programs in Energy Communities. *IFAC-PapersOnLine*, **2020**, 53, 12608-12613	0.7	2
506	Data Mining for Remuneration of Consumers Demand Response Participation. *Communications in Computer and Information Science*, **2020**, 326-338	0.3	1
505	Optimal Distribution Grid Operation Using Demand Response **2020**,		1
504	Economic Impact of an Optimization-Based SCADA Model for an Office Building. *Advances in Intelligent Systems and Computing*, **2020**, 166-175	0.4	
503	Clustering Support for an Aggregator in a Smart Grid Context. *Advances in Intelligent Systems and Computing*, **2020**, 156-165	0.4	1

502	Study of Multi-Tariff Influence on the Distributed Generation Remuneration. *Advances in Intelligent Systems and Computing*, **2020**, 14-19	0.4	0
501	Energy Consumption Forecasting Using Ensemble Learning Algorithms. *Advances in Intelligent Systems and Computing*, **2020**, 5-13	0.4	3
500	A Consumer Trustworthiness Rate for Participation in Demand Response Programs. *IFAC-PapersOnLine*, **2020**, 53, 12596-12601	0.7	1
499	Using diverse sensors in load forecasting in an office building to support energy management. *Energy Reports*, **2020**, 6, 182-187	4.6	5
498	Determination of the typical load profile of industry tasks using fuzzy C-Means. *Energy Reports*, **2020**, 6, 155-160	4.6	
497	Rating consumers participation in demand response programs according to previous events. *Energy Reports*, **2020**, 6, 195-200	4.6	4
496	Online estimation and use of price elasticity of demand for shifting loads through real-time pricing. *Energy Reports*, **2020**, 6, 93-98	4.6	1
495	Key Performance Indicators to Support the Participation in Demand Response Programs:A Testing Framework for End Users. *IFAC-PapersOnLine*, **2020**, 53, 12602-12607	0.7	
494	Production scheduling considering dynamic electricity price in energy-efficient factories. *IFAC-PapersOnLine*, **2020**, 53, 12584-12589	0.7	
493	A Two Tier Architecture for Local Energy Market Simulation and Control. *Communications in Computer and Information Science*, **2020**, 302-313	0.3	1
492	Scheduling of a textile production line integrating PV generation using a genetic algorithm. *Energy Reports*, **2020**, 6, 148-154	4.6	5
491	Key performance indicators regarding user comfort for building energy consumption management. *Energy Reports*, **2020**, 6, 87-92	4.6	3
490	Large-scale optimization of households with photovoltaic-battery system and demand response. *IFAC-PapersOnLine*, **2020**, 53, 12572-12577	0.7	2
489	Microgrid management system based on a multi-agent approach: An office building pilot. *Measurement: Journal of the International Measurement Confederation*, **2020**, 154, 107427	4.6	16
488	Sequential Tasks Shifting for Participation in Demand Response Programs. *Energies*, **2020**, 13, 4879	3.1	2
487	Application Ontology for Multi-Agent and Web-Services Co-Simulation in Power and Energy Systems. *IEEE Access*, **2020**, 8, 81129-81141	3.5	4
486	Multi-Objective Electric Vehicles Scheduling Using Elitist Non-Dominated Sorting Genetic Algorithm. *Applied Sciences (Switzerland)*, **2020**, 10, 7978	2.6	4
485	Recommendation of Workplaces in a Coworking Building: A Cyber-Physical Approach Supported by a Context-Aware Multi-Agent System. *Sensors*, **2020**, 20,	3.8	8

484	Learning Bidding Strategies in Local Electricity Markets using Ant Colony optimization **2020**,		4
483	Learning Bidding Strategies in Local Electricity Markets using a Nature-Inspired Algorithm **2020**,		1
482	Electricity Consumption Forecast in an Industry Facility to Support Production Planning Update in Short Time **2020**,		1
481	Constrained Generation Bids in Local Electricity Markets: A Semantic Approach. *Energies*, **2020**, 13, 3990	3.1	2
480	BRICKS: Building reasoning for intelligent control knowledge-based system. *Sustainable Cities and Society*, **2020**, 52, 101832	10.1	11
479	Lighting Consumption Optimization in a SCADA Model of Office Building Considering User Comfort Level. *Advances in Intelligent Systems and Computing*, **2020**, 20-28	0.4	
478	Ramping of Demand Response Event with Deploying Distinct Programs by an Aggregator. *Energies*, **2020**, 13, 1389	3.1	6
477	Hybrid-adaptive differential evolution with decay function (HyDE-DF) applied to the 100-digit challenge competition on single objective numerical optimization **2019**,		12
476	Electricity consumption forecasting in office buildings: an artificial intelligence approach **2019**,		2
475	Business models for flexibility of electric vehicles **2019**,		3
474	Agent-based architecture for demand side management using real-time resources priorities and a deterministic optimization algorithm. *Journal of Cleaner Production*, **2019**, 241, 118154	10.3	22
473	Demand Response Implementation in an Optimization Based SCADA Model Under Real-Time Pricing Schemes. *Advances in Intelligent Systems and Computing*, **2019**, 21-29	0.4	3
472	Strategic participation in competitive electricity markets: Internal versus sectorial data analysis. *International Journal of Electrical Power and Energy Systems*, **2019**, 108, 432-444	5.1	4
471	Hybrid approach based on particle swarm optimization for electricity markets participation. *Energy Informatics*, **2019**, 2,	2.8	4
470	Decision Support for Small Players Negotiations Under a Transactive Energy Framework. *IEEE Transactions on Power Systems*, **2019**, 34, 4015-4023	7	23
469	Liberalization and customer behavior in the Portuguese residential retail electricity market. *Utilities Policy*, **2019**, 59, 100919	3.3	14
468	Demand Response Optimization Using Particle Swarm Algorithm Considering Optimum Battery Energy Storage Schedule in a Residential House. *Energies*, **2019**, 12, 1645	3.1	27
467	A Short Review on Smart Building Energy Resource Optimization **2019**,		4

466	IoH: A Platform for the Intelligence of Home with a Context Awareness and Ambient Intelligence Approach. *Future Internet*, **2019**, 11, 58	3.3	5
465	A Demand Response Approach to Scheduling Constrained Load Shifting. *Energies*, **2019**, 12, 1752	3.1	19
464	A Residential House Comparative Case Study Using Market Available Smart Plugs and EnAPlugs with Shared Knowledge. *Energies*, **2019**, 12, 1647	3.1	2
463	Electric Vehicles□User Charging Behaviour Simulator for a Smart City. *Energies*, **2019**, 12, 1470	3.1	22
462	Decision Support Application for Energy Consumption Forecasting. *Applied Sciences (Switzerland)*, **2019**, 9, 699	2.6	7
461	Optimal Distribution Grid Operation Using DLMP-Based Pricing for Electric Vehicle Charging Infrastructure in a Smart City. *Energies*, **2019**, 12, 686	3.1	15
460	Identifying Most Probable Negotiation Scenario in Bilateral Contracts with Reinforcement Learning. *Advances in Intelligent Systems and Computing*, **2019**, 556-571	0.4	
459	Electricity Price Forecast for Futures Contracts with Artificial Neural Network and Spearman Data Correlation. *Advances in Intelligent Systems and Computing*, **2019**, 12-20	0.4	0
458	Optimal expansion planning considering storage investment and seasonal effect of demand and renewable generation. *Renewable Energy*, **2019**, 138, 937-954	8.1	20
457	2017 IEEE competition on modern heuristic optimizers for smart grid operation: Testbeds and results. *Swarm and Evolutionary Computation*, **2019**, 44, 420-427	9.8	12
456	Energy Analyzer Emulator for Microgrid Implementation and Demonstration and Respective Gateway. *IEEE Transactions on Industry Applications*, **2019**, 55, 134-144	4.3	7
455	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	5.1	11
454	Local Energy Markets: Paving the Path Toward Fully Transactive Energy Systems. *IEEE Transactions on Power Systems*, **2019**, 34, 4081-4088	7	119
453	**2019**,		9
452	Demand Response and Distributed Generation Remuneration Approach Considering Planning and Operation Stages. *Energies*, **2019**, 12, 2721	3.1	7
451	ERIGrid Holistic Test Description for Validating Cyber-Physical Energy Systems. *Energies*, **2019**, 12, 2722	3.1	13
450	Collaborative Reinforcement Learning of Energy Contracts Negotiation Strategies. *Communications in Computer and Information Science*, **2019**, 202-210	0.3	0
449	Towards transactive energy systems: An analysis on current trends. *Energy Strategy Reviews*, **2019**, 26, 100418	9.8	72

448	Energy Resources Management Enabled by Internet of Things Devices **2019**,		1
447	Elasticity Parameter Definition and Analysis for Real-Time Pricing Remuneration Basing on Different Users Cases **2019**,		1
446	AiD-EM: Adaptive Decision Support for Electricity Markets Negotiations **2019**,		6
445	Contextual Simulated Annealing Q-Learning for Pre-negotiation of Agent-Based Bilateral Negotiations. *Lecture Notes in Computer Science*, **2019**, 519-531	0.9	0
444	Multi-agent Systems Society for Power and Energy Systems Simulation. *Lecture Notes in Computer Science*, **2019**, 126-137	0.9	
443	Energy Resource Scheduling in an Agriculture System Using a Decision Tree Approach **2019**,		2
442	Distributed Constrained Optimization Towards Effective Agent-Based Microgrid Energy Resource Management. *Lecture Notes in Computer Science*, **2019**, 438-449	0.9	1
441	Demonstration of an Energy Consumption Forecasting System for Energy Management in Buildings. *Lecture Notes in Computer Science*, **2019**, 462-468	0.9	4
440	Fair Remuneration of Energy Consumption Flexibility Using Shapley Value. *Lecture Notes in Computer Science*, **2019**, 532-544	0.9	2
439	Semantic Web Services for Multi-Agent Systems Interoperability. *Lecture Notes in Computer Science*, **2019**, 606-616	0.9	5
438	Multi-Agent-Based CBR Recommender System for Intelligent Energy Management in Buildings. *IEEE Systems Journal*, **2019**, 13, 1084-1095	4.3	18
437	Multi-agent semantic interoperability in complex energy systems simulation and decision support **2019**,		3
436	Multi-Period Observation Clustering for Tariff Definition in a Weekly Basis Remuneration of Demand Response. *Energies*, **2019**, 12, 1248	3.1	9
435	CO2 Concentration Forecasting in an Office Using Artificial Neural Network **2019**,		1
434	Optimal Bidding in Local Energy Markets using Evolutionary Computation **2019**,		3
433	Optimizing Lighting in an Office for Demand Response Participation Considering User Preferences **2019**,		1
432	Distribution Network Expansion Planning Considering the Flexibility Value for Distribution System Operator **2019**,		2
431	Demand Response in Energy Communities Considering the Share of Photovoltaic Generation from Public Buildings **2019**,		3

430	Energy Scheduling Using Decision Trees and Emulation: Agriculture Irrigation with Run-of-the-River Hydroelectricity and a PV Case Study. *Energies*, **2019**, 12, 3987	3.1	3
429	A Review of the Main Machine Learning Methods for Predicting Residential Energy Consumption. **2019**,		4
428	A Local Electricity Market Model for DSO Flexibility Trading **2019**,		6
427	Lightweight Architecture for IoT Devices with Context-aware Autonomous Control **2019**,		1
426	Stochastic interval-based optimal offering model for residential energy management systems by household owners. *International Journal of Electrical Power and Energy Systems*, **2019**, 105, 201-219	5.1	48
425	UCB1 Based Reinforcement Learning Model for Adaptive Energy Management in Buildings. *Advances in Intelligent Systems and Computing*, **2019**, 3-11	0.4	1
424	Congestion management in active distribution networks through demand response implementation. *Sustainable Energy, Grids and Networks*, **2019**, 17, 100185	3.6	17
423	Adaptive entropy-based learning with dynamic artificial neural network. *Neurocomputing*, **2019**, 338, 432-440	5.4	2
422	Long-Term Smart Grid Planning Under Uncertainty Considering Reliability Indexes **2018**, 297-335		1
421	Multi-agent Electricity Markets and Smart Grids Simulation with Connection to Real Physical Resources. *Studies in Systems, Decision and Control*, **2018**, 305-327	0.8	1
420	R-Node: New Pipelined Approach for an Effective Reconfigurable Wireless Sensor Node. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 892-905	7.3	28
419	Optimizing Opponents Selection in Bilateral Contracts Negotiation with Particle Swarm. *Communications in Computer and Information Science*, **2018**, 116-124	0.3	1
418	An Agent-Based IoT System for Intelligent Energy Monitoring in Buildings **2018**,		2
417	Reschedule of Distributed Energy Resources by an Aggregator for Market Participation. *Energies*, **2018**, 11, 713	3.1	11
416	Strategic Particle Swarm Inertia Selection for Electricity Markets Participation Portfolio Optimization. *Applied Artificial Intelligence*, **2018**, 32, 745-767	2.3	6
415	Real-Time Simulation of a Curtailment Service Provider for Demand Response Participation **2018**,		2
414	An Aggregation Model for Energy Resources Management and Market Negotiations. *Advances in Science, Technology and Engineering Systems*, **2018**, 3, 231-237	0.3	3
413	Reputation Computational Model to Support Electricity Market Players Energy Contracts Negotiation. *Communications in Computer and Information Science*, **2018**, 125-133	0.3	1

412	Demonstration of Tools Control Center for Multi-agent Energy Systems Simulation. *Lecture Notes in Computer Science*, **2018**, 353-356	0.9	
411	Customized normalization clustering meth-odology for consumers with heterogeneous characteristics. *Advances in Distributed Computing and Artificial Intelligence Journal*, **2018**, 7, 53-69	0.4	2
410	Economic Evaluation of Predictive Dispatch Model in MAS-Based Smart Home. *Advances in Intelligent Systems and Computing*, **2018**, 81-91	0.4	1
409	Smart City: A GECAD-BISITE Energy Management Case Study. *Advances in Intelligent Systems and Computing*, **2018**, 92-100	0.4	6
408	Smart Grids Data Management: A Case for Cassandra. *Advances in Intelligent Systems and Computing*, **2018**, 87-95	0.4	1
407	Energy Analyzer Emulation for Energy Management Simulators. *Advances in Intelligent Systems and Computing*, **2018**, 215-222	0.4	1
406	Statistics-Based Approach to Enable Consumer Profile Definition for Demand Response Programs. *Advances in Intelligent Systems and Computing*, **2018**, 63-70	0.4	
405	Data Mining for Prosumers Aggregation considering the Self-Generation. *Advances in Intelligent Systems and Computing*, **2018**, 96-103	0.4	1
404	Decision Support System for the Negotiation of Bilateral Contracts in Electricity Markets. *Advances in Intelligent Systems and Computing*, **2018**, 305-306	0.4	
403	Real-Time Emulation and Simulation System of Asynchronous Motor Consumption. *Advances in Intelligent Systems and Computing*, **2018**, 72-80	0.4	
402	Big Data in Efficient Smart Grids Management. *Advances in Intelligent Systems and Computing*, **2018**, 297-299	0.4	
401	Gravitational Search Algorithm Applied for Residential Demand Response Using Real-Time Pricing. *Advances in Intelligent Systems and Computing*, **2018**, 101-111	0.4	
400	Real-Time Implementation of Demand Response Programs Based on Open ADR Technology. *Advances in Intelligent Systems and Computing*, **2018**, 345-347	0.4	
399	Remuneration and Tariffs in the Context of Virtual Power Players. *Advances in Intelligent Systems and Computing*, **2018**, 284-286	0.4	
398	Tools Control Center to Enable the Joint Simulation of Multi-agent Systems. *Advances in Intelligent Systems and Computing*, **2018**, 307-308	0.4	
397	GIM Microgrids Intelligent Management System Based on a Multi-agent Approach and the Active Participation on Demand Response. *Advances in Intelligent Systems and Computing*, **2018**, 279-280	0.4	
396	Photovoltaic Inverter Scheduler with the Support of Storage Unit to Minimize Electricity Bill. *Advances in Intelligent Systems and Computing*, **2018**, 63-71	0.4	1
395	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	0.4	4

394	Decision Support for Smart Grid Planning and Operation Considering Reliability and All Available Resources. *Advances in Intelligent Systems and Computing*, **2018**, 272-274	0.4	
393	Decision Support for Agents Participation in Electricity Markets. *Advances in Intelligent Systems and Computing*, **2018**, 302-304	0.4	
392	A context-based building security alarm through power and sensors analysis. *Energy Informatics*, **2018**, 1,	2.8	3
391	An Intelligent Smart Plug with Shared Knowledge Capabilities. *Sensors*, **2018**, 18,	3.8	20
390	Day-ahead forecasting approach for energy consumption of an office building using support vector machines **2018**,		2
389	A Flexibility Home Energy Management System to Support Agreggator Requests in Smart Grids **2018**,		3
388	Distributed Energy Resources Scheduling and Aggregation in the Context of Demand Response Programs. *Energies*, **2018**, 11, 1987	3.1	13
387	Discussing Different Clustering Methods for the Aggregation of Demand Response and Distributed Generation **2018**,		3
386	Genetic Algorithms for Portfolio Optimization with Weighted Sum Approach **2018**,		3
385	Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings. *Energies*, **2018**, 11, 3430	3.1	23
384	Day ahead electricity consumption forecasting with MOGUL learning model **2018**,		4
383	Assessment of Distributed Generation Units Remuneration Using Different Clustering Methods for Aggregation **2018**,		4
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181	Real-time simulation of energy management in a domestic consumer **2013**,		5
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131	A data-mining based methodology for win forecasting **2011**,		3
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10	Robotized system for in-pipe inspection		2
9	A new agent-based framework for the simulation of electricity markets		4
8	Evaluation of transmission congestion impact in market power		4
7	Competitive electricity markets: simulation to improve decision making		5
6	An intelligent tutor for power system control center operator training		1
5	Providing explanations in a real-time expert system for control center operator assistance		3
4	Process planning using a genetic algorithm approach		9
3	Intelligent alarm processing in control centers		2
2			3
1	Probabilistic Determination of Consumers Response and Consumption Management Strategies in Demand Response Programs		0