

Zita Vale

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Optimal scheduling of a renewable micro-grid in an isolated load area using mixed-integer linear programming. <i>Renewable Energy</i> , 2010 , 35, 151-156	8.1	379
590	An electric energy consumer characterization framework based on data mining techniques. <i>IEEE Transactions on Power Systems</i> , 2005 , 20, 596-602	7	277
589	Demand response in electrical energy supply: An optimal real time pricing approach. <i>Energy</i> , 2011 , 36, 5374-5384	7.9	219
588	. <i>IEEE Intelligent Systems</i> , 2003 , 18, 54-60	4.2	163
587	Intelligent Energy Resource Management Considering Vehicle-to-Grid: A Simulated Annealing Approach. <i>IEEE Transactions on Smart Grid</i> , 2012 , 3, 535-542	10.7	151
586	Day-Ahead Resource Scheduling Including Demand Response for Electric Vehicles. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 596-605	10.7	125
585	Local Energy Markets: Paving the Path Toward Fully Transactive Energy Systems. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4081-4088	7	119
584	Modified Particle Swarm Optimization Applied to Integrated Demand Response and DG Resources Scheduling. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 606-616	10.7	119
583	MASCEM: Electricity Markets Simulation with Strategic Agents. <i>IEEE Intelligent Systems</i> , 2011 , 26, 9-17	4.2	110
582	Day-ahead resource scheduling in smart grids considering Vehicle-to-Grid and network constraints. <i>Applied Energy</i> , 2012 , 96, 183-193	10.7	99
581	An integrated approach for distributed energy resource short-term scheduling in smart grids considering realistic power system simulation. <i>Energy Conversion and Management</i> , 2012 , 64, 273-288	10.6	94
580	Demand response implementation in smart households. <i>Energy and Buildings</i> , 2017 , 143, 129-148	7	90
579	Evaluation of the electric vehicle impact in the power demand curve in a smart grid environment. <i>Energy Conversion and Management</i> , 2014 , 82, 268-282	10.6	88
578	A multi-objective model for scheduling of short-term incentive-based demand response programs offered by electricity retailers. <i>Applied Energy</i> , 2015 , 151, 102-118	10.7	87
577	Dynamic load management in a smart home to participate in demand response events. <i>Energy and Buildings</i> , 2014 , 82, 592-606	7	85
576	Distributed energy resource short-term scheduling using Signaled Particle Swarm Optimization. <i>Energy</i> , 2012 , 42, 466-476	7.9	77
575	Electric Vehicle Scenario Simulator Tool for Smart Grid Operators. <i>Energies</i> , 2012 , 5, 1881-1899	3.1	77

574	Incentive-based demand response programs designed by asset-light retail electricity providers for the day-ahead market. <i>Energy</i> , 2015 , 82, 786-799	7.9	73
573	Towards transactive energy systems: An analysis on current trends. <i>Energy Strategy Reviews</i> , 2019 , 26, 100418	9.8	72
572	Application-Specific Modified Particle Swarm Optimization for energy resource scheduling considering vehicle-to-grid. <i>Applied Soft Computing Journal</i> , 2013 , 13, 4264-4280	7.5	69
571	A stochastic model for energy resources management considering demand response in smart grids. <i>Electric Power Systems Research</i> , 2017 , 143, 599-610	3.5	69
570	A new approach for multi-agent coalition formation and management in the scope of electricity markets. <i>Energy</i> , 2011 , 36, 5004-5015	7.9	66
569	Distributed generation and demand response dispatch for a virtual power player energy and reserve provision. <i>Renewable Energy</i> , 2014 , 66, 686-695	8.1	64
568	Demand Response Management in Power Systems Using Particle Swarm Optimization. <i>IEEE Intelligent Systems</i> , 2013 , 28, 43-51	4.2	59
567	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 952-961	11.9	58
566	Adaptive learning in agents behaviour: A framework for electricity markets simulation. <i>Integrated Computer-Aided Engineering</i> , 2014 , 21, 399-415	5.2	55
565	A data-mining-based methodology to support MV electricity customers' characterization. <i>Energy and Buildings</i> , 2015 , 91, 16-25	7	52
564	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	10.6	50
563	Multilevel Negotiation in Smart Grids for VPP Management of Distributed Resources. <i>IEEE Intelligent Systems</i> , 2012 , 27, 8-16	4.2	49
562	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 5905-5914	4.3	48
561	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	5.1	48
560	Multi-agent simulation of competitive electricity markets: Autonomous systems cooperation for European market modeling. <i>Energy Conversion and Management</i> , 2015 , 99, 387-399	10.6	47
559	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	7.9	45
558	Distributed, Agent-Based Intelligent System for Demand Response Program Simulation in Smart Grids. <i>IEEE Intelligent Systems</i> , 2014 , 29, 56-65	4.2	45
557	. <i>IEEE Transactions on Power Systems</i> , 1993 , 8, 1307-1314	7	45

556	Adaptive Portfolio Optimization for Multiple Electricity Markets Participation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 1720-33	10.3	43
555	MASGrIP \square Multi-Agent Smart Grid Simulation Platform 2012 ,		43
554	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	10.7	42
553	Distribution system operation supported by contextual energy resource management based on intelligent SCADA. <i>Renewable Energy</i> , 2013 , 52, 143-153	8.1	42
552	MASCEM: Optimizing the performance of a multi-agent system. <i>Energy</i> , 2016 , 111, 513-524	7.9	41
551	A hybrid simulated annealing approach to handle energy resource management considering an intensive use of electric vehicles. <i>Energy</i> , 2014 , 67, 81-96	7.9	40
550	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	10.7	38
549	Intelligent multi-player smart grid management considering distributed energy resources and demand response 2010 ,		38
548	Support Vector Machines for decision support in electricity markets? strategic bidding. <i>Neurocomputing</i> , 2016 , 172, 438-445	5.4	37
547	Flexibility management model of home appliances to support DSO requests in smart grids. <i>Sustainable Cities and Society</i> , 2020 , 55, 102048	10.1	37
546	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	7	37
545	An optimal scheduling problem in distribution networks considering V2G 2011 ,		33
544	Multi-agent based electricity market simulator with VPP: Conceptual and implementation issues 2009 ,		33
543	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	3.5	32
542	Implementation of a Real-Time Microgrid Simulation Platform Based on Centralized and Distributed Management. <i>Energies</i> , 2017 , 10, 806	3.1	32
541	Case based reasoning with expert system and swarm intelligence to determine energy reduction in buildings energy management. <i>Energy and Buildings</i> , 2017 , 155, 269-281	7	32
540	Constrained consumption shifting management in the distributed energy resources scheduling considering demand response. <i>Energy Conversion and Management</i> , 2015 , 93, 309-320	10.6	32
539	Demi \square demand response simulator in the context of intensive use of distributed generation 2010 ,		32

538	Strategic bidding in electricity markets: An agent-based simulator with game theory for scenario analysis. <i>Integrated Computer-Aided Engineering</i> , 2013 , 20, 335-346	5.2	31
537	Multi-dimensional signaling method for population-based metaheuristics: Solving the large-scale scheduling problem in smart grids. <i>Swarm and Evolutionary Computation</i> , 2016 , 29, 13-32	9.8	30
536	Dynamic electricity pricing for electric vehicles using stochastic programming. <i>Energy</i> , 2017 , 122, 111-127.	7.9	29
535	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	7.3	28
534	Hybrid fuzzy Monte Carlo technique for reliability assessment in transmission power systems. <i>Energy</i> , 2012 , 45, 1007-1017	7.9	28
533	Demand Response Optimization Using Particle Swarm Algorithm Considering Optimum Battery Energy Storage Schedule in a Residential House. <i>Energies</i> , 2019 , 12, 1645	3.1	27
532	Dynamic artificial neural network for electricity market prices forecast 2012 ,		27
531	Distributed energy resources management with cyber-physical SCADA in the context of future smart grids 2010 ,		27
530	Simulated annealing to handle energy and ancillary services joint management considering electric vehicles. <i>Electric Power Systems Research</i> , 2016 , 136, 383-397	3.5	27
529	Ensemble learning for electricity consumption forecasting in office buildings. <i>Neurocomputing</i> , 2021 , 423, 747-755	5.4	26
528	Scenario generation for electric vehicles' uncertain behavior in a smart city environment. <i>Energy</i> , 2016 , 111, 664-675	7.9	25
527	Towards a future SCADA 2009 ,		25
526	Cost allocation model for distribution networks considering high penetration of distributed energy resources. <i>Electric Power Systems Research</i> , 2015 , 124, 120-132	3.5	24
525	Decision Support for Small Players Negotiations Under a Transactive Energy Framework. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4015-4023	7	23
524	Notice of Violation of IEEE Publication Principles: Optimal Cost-Benefit for the Location of Capacitors in Radial Distribution Systems. <i>IEEE Transactions on Power Delivery</i> , 2009 , 24, 787-796	4.3	23
523	Notice of Violation of IEEE Publication Principles: A Benders Decomposition and Fuzzy Multicriteria Approach for Distribution Networks Remuneration Considering DG. <i>IEEE Transactions on Power Systems</i> , 2009 , 24, 1091-1101	7	23
522	2008 ,		23
521	A decision-support simulation tool for virtual power producers 2005 ,		23

520	Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings. <i>Energies</i> , 2018 , 11, 3430	3.1	23
519	Agent-based architecture for demand side management using real-time resources priorities and a deterministic optimization algorithm. <i>Journal of Cleaner Production</i> , 2019 , 241, 118154	10.3	22
518	Electric Vehicles User Charging Behaviour Simulator for a Smart City. <i>Energies</i> , 2019 , 12, 1470	3.1	22
517	Demand Response Programs Design and Use Considering Intensive Penetration of Distributed Generation. <i>Energies</i> , 2015 , 8, 6230-6246	3.1	22
516	Decision Support for Energy Contracts Negotiation with Game Theory and Adaptive Learning. <i>Energies</i> , 2015 , 8, 9817-9842	3.1	22
515	Generation of realistic scenarios for multi-agent simulation of electricity markets. <i>Energy</i> , 2016 , 116, 128-139	7.9	22
514	Stochastic short-term maintenance scheduling of GENCOs in an oligopolistic electricity market. <i>Applied Energy</i> , 2013 , 101, 667-677	10.7	21
513	Genetic algorithm methodology applied to intelligent house control 2011 ,		21
512	Optimal Approach for Reliability Assessment in Radial Distribution Networks. <i>IEEE Systems Journal</i> , 2017 , 11, 1846-1856	4.3	20
511	Optimal expansion planning considering storage investment and seasonal effect of demand and renewable generation. <i>Renewable Energy</i> , 2019 , 138, 937-954	8.1	20
510	Data mining techniques application in power distribution utilities 2008 ,		20
509	An Intelligent Smart Plug with Shared Knowledge Capabilities. <i>Sensors</i> , 2018 , 18,	3.8	20
508	A Demand Response Approach to Scheduling Constrained Load Shifting. <i>Energies</i> , 2019 , 12, 1752	3.1	19
507	Multilayer perceptron neural networks training through charged system search and its Application for non-technical losses detection 2013 ,		19
506	Organization-based Multi-Agent structure of the Smart Home Electricity System 2017 ,		19
505	A long-term risk management tool for electricity markets using swarm intelligence. <i>Electric Power Systems Research</i> , 2010 , 80, 380-389	3.5	19
504	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	4	18
503	Multi-Agent-Based CBR Recommender System for Intelligent Energy Management in Buildings. <i>IEEE Systems Journal</i> , 2019 , 13, 1084-1095	4.3	18

502	Demand response design and use based on network locational marginal prices. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 61, 180-191	5.1	17
501	Differential evolution strategies for large-scale energy resource management in smart grids 2017 ,		17
500	Multi-objective parallel particle swarm optimization for day-ahead Vehicle-to-Grid scheduling 2013 ,		17
499	Data Mining Contributions to Characterize MV Consumers and to Improve the Suppliers-Consumers Settlements. <i>IEEE Power Engineering Society General Meeting</i> , 2007 ,		17
498	Congestion management in active distribution networks through demand response implementation. <i>Sustainable Energy, Grids and Networks</i> , 2019 , 17, 100185	3.6	17
497	A Comparative Analysis of Clustering Algorithms Applied to Load Profiling 2003 , 73-85		17
496	2011 ,		16
495	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	4.6	16
494	Optimal Model for Local Energy Community Scheduling Considering Peer to Peer Electricity Transactions. <i>IEEE Access</i> , 2021 , 9, 12420-12430	3.5	16
493	Optimal Distribution Grid Operation Using DLMP-Based Pricing for Electric Vehicle Charging Infrastructure in a Smart City. <i>Energies</i> , 2019 , 12, 686	3.1	15
492	Typical load profiles in the smart grid context □A clustering methods comparison 2012 ,		15
491	Virtual Power Producers Market Strategies 2008 ,		15
490	Enabling Communications in Heterogeneous Multi-Agent Systems: Electricity Markets Ontology. <i>Advances in Distributed Computing and Artificial Intelligence Journal</i> , 2016 , 5, 15-42	0.4	15
489	Multi-Agent Decision Support Tool to Enable Interoperability among Heterogeneous Energy Systems. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 328	2.6	15
488	Liberalization and customer behavior in the Portuguese residential retail electricity market. <i>Utilities Policy</i> , 2019 , 59, 100919	3.3	14
487	Demand Response of Residential Houses Equipped with PV-Battery Systems: An Application Study Using Evolutionary Algorithms. <i>Energies</i> , 2020 , 13, 2466	3.1	14
486	Dynamic Pricing for Demand Response Considering Market Price Uncertainty. <i>Energies</i> , 2017 , 10, 1245	3.1	14
485	Mixed integer non-linear programming and Artificial Neural Network based approach to ancillary services dispatch in competitive electricity markets. <i>Applied Energy</i> , 2013 , 108, 261-270	10.7	14

484	Using data mining techniques to support DR programs definition in smart grids 2011 ,		14
483	Ant Colony Search algorithm for the optimal power flow problem 2011 ,		14
482	Dynamic Fuzzy Clustering Method for Decision Support in Electricity Markets Negotiation. <i>Advances in Distributed Computing and Artificial Intelligence Journal</i> , 2016 , 5, 23-35	0.4	14
481	Agricultural irrigation scheduling for a crop management system considering water and energy use optimization. <i>Energy Reports</i> , 2020 , 6, 133-139	4.6	13
480	ERIGrid Holistic Test Description for Validating Cyber-Physical Energy Systems. <i>Energies</i> , 2019 , 12, 2722	3.1	13
479	Short-term load forecasting based on load profiling 2013 ,		13
478	2010 ,		13
477	Contextual intelligent load management with ANN adaptive learning module 2011 ,		13
476	MASCEM - An Electricity Market Simulator providing Coalition Support for Virtual Power Players 2009 ,		13
475	A probabilistic methodology for distributed generation location in isolated electrical service area. <i>Electric Power Systems Research</i> , 2010 , 80, 390-399	3.5	13
474	Distributed Energy Resources Scheduling and Aggregation in the Context of Demand Response Programs. <i>Energies</i> , 2018 , 11, 1987	3.1	13
473	Hybrid-adaptive differential evolution with decay function (HyDE-DF) applied to the 100-digit challenge competition on single objective numerical optimization 2019 ,		12
472	2017 IEEE competition on modern heuristic optimizers for smart grid operation: Testbeds and results. <i>Swarm and Evolutionary Computation</i> , 2019 , 44, 420-427	9.8	12
471	Reserve costs allocation model for energy and reserve market simulation 2017 ,		12
470	Short-term wind speed forecasting using Support Vector Machines 2014 ,		12
469	Data mining approach to support the generation of Realistic Scenarios for multi-agent simulation of electricity markets 2014 ,		12
468	Intelligent supervisory control system for home devices using a cyber physical approach. <i>Integrated Computer-Aided Engineering</i> , 2012 , 19, 67-79	5.2	12
467	A Data-Mining-Based Methodology for Transmission Expansion Planning. <i>IEEE Intelligent Systems</i> , 2011 , 26, 28-37	4.2	12

466	Simulated Annealing metaheuristic to solve the optimal power flow 2011 ,		12
465	Technical and economic resources management in smart grids using heuristic optimization methods 2010 ,		12
464	Forecasting Electricity Prices with Historical Statistical Information using Neural Networks and Clustering Techniques 2006 ,		12
463	Hour-ahead energy resource management in university campus microgrid 2015 ,		11
462	Evaluation of different initial solution algorithms to be used in the heuristics optimization to solve the energy resource scheduling in smart grids. <i>Applied Soft Computing Journal</i> , 2016 , 48, 491-506	7.5	11
461	Reschedule of Distributed Energy Resources by an Aggregator for Market Participation. <i>Energies</i> , 2018 , 11, 713	3.1	11
460	Context aware Q-Learning-based model for decision support in the negotiation of energy contracts. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 104, 489-501	5.1	11
459	Energy flexibility assessment of a multi agent-based smart home energy system 2017 ,		11
458	Coalition of distributed generation units to Virtual Power Players - a game theory approach. <i>Integrated Computer-Aided Engineering</i> , 2015 , 22, 297-309	5.2	11
457	Electrical Energy Consumption Forecast Using External Facility Data 2015 ,		11
456	The role of demand response in future power systems 2009 ,		11
455	Optimal methodology for distribution systems reconfiguration based on OPF and solved by decomposition technique. <i>European Transactions on Electrical Power</i> , 2010 , 20, 730-746		11
454	Better KBS for real-time applications in power system control centers: the experience of SPARSE project. <i>Computers in Industry</i> , 1998 , 37, 97-111	11.6	11
453	An Interoperable Approach for Energy Systems Simulation: Electricity Market Participation Ontologies. <i>Energies</i> , 2016 , 9, 878	3.1	11
452	Application of a Home Energy Management System for Incentive-Based Demand Response Program Implementation 2016 ,		11
451	BRICKS: Building reasoning for intelligent control knowledge-based system. <i>Sustainable Cities and Society</i> , 2020 , 52, 101832	10.1	11
450	Office building participation in demand response programs supported by intelligent lighting management. <i>Energy Informatics</i> , 2018 , 1,	2.8	11
449	A Robust Optimization for Day-ahead Microgrid Dispatch Considering Uncertainties. <i>IFAC-PapersOnLine</i> , 2017 , 50, 3350-3355	0.7	10

448	Six thinking hats: A novel metalearner for intelligent decision support in electricity markets. <i>Decision Support Systems</i> , 2015 , 79, 1-11	5.6	10
447	Negotiation context analysis in electricity markets. <i>Energy</i> , 2015 , 85, 78-93	7.9	10
446	Industrial Facility Electricity Consumption Forecast Using Artificial Neural Networks and Incremental Learning. <i>Energies</i> , 2020 , 13, 4774	3.1	10
445	Resource scheduling in residential microgrids considering energy selling to external players 2015 ,		10
444	Sparse: an intelligent alarm processor and operator assistant. <i>IEEE Intelligent Systems</i> , 1997 , 12, 86-93		10
443	Microstructure, Optical, and Dielectric Characterization of Porous Gel Silica Impregnated with PMMA. <i>Materials Characterization</i> , 1998 , 40, 1-5	3.9	10
442	Distributed generation producers reserve management 2008 ,		10
441	Energy consumption forecasting based on Hybrid Neural Fuzzy Inference System 2016 ,		10
440	Rating the Participation in Demand Response Programs for a More Accurate Aggregated Schedule of Consumers after Enrolment Period. <i>Electronics (Switzerland)</i> , 2020 , 9, 349	2.6	9
439	2019 ,		9
438	Contextual and environmental awareness laboratory for energy consumption management 2015 ,		9
437	Simulation and control of consumption and generation of hardware resources in microgrid real-time digital simulator 2015 ,		9
436	Energy resource scheduling in a real distribution network managed by several virtual power players 2012 ,		9
435	Demand response programs definition using demand price elasticity to define consumers aggregation for an improved remuneration structure 2013 ,		9
434	Particle swarm optimization applied to integrated demand response resources scheduling 2011 ,		9
433	Ancillary services market clearing simulation: A comparison between deterministic and heuristic methods 2010 ,		9
432	Multi-agent electricity market simulation with dynamic strategies & virtual power producers 2008 ,		9
431	Process planning using a genetic algorithm approach		9

430	Strategic Bidding Methodology for Electricity Markets Using Adaptive Learning. <i>Lecture Notes in Computer Science</i> , 2011 , 490-500	0.9	9
429	Bid Definition Method for Electricity Markets Based on an Adaptive Multiagent System. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 309-316		9
428	Multi-Period Observation Clustering for Tariff Definition in a Weekly Basis Remuneration of Demand Response. <i>Energies</i> , 2019 , 12, 1248	3.1	9
427	Energy Management in Smart Building by a Multi-Objective Optimization Model and Pascoletti-Serafini Scalarization Approach. <i>Processes</i> , 2021 , 9, 257	2.9	9
426	An Optimization Model for Energy Community Costs Minimization Considering a Local Electricity Market between Prosumers and Electric Vehicles. <i>Electronics (Switzerland)</i> , 2021 , 10, 129	2.6	9
425	A New Hybrid-Adaptive Differential Evolution for a Smart Grid Application Under Uncertainty 2018 ,		9
424	Methods for Aggregation and Remuneration of Distributed Energy Resources. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1283	2.6	9
423	A Mixed Binary Linear Programming Model for Optimal Energy Management of Smart Buildings. <i>Energies</i> , 2020 , 13, 1719	3.1	8
422	Domestic consumption simulation and management using a continuous consumption management and optimization algorithm 2014 ,		8
421	2013 ,		8
420	Energy and Reserve under Distributed Energy Resources Management Day-Ahead, Hour-Ahead and Real-Time. <i>Energies</i> , 2017 , 10, 1778	3.1	8
419	Intelligent SCADA for Load control 2010 ,		8
418	Particle Swarm Optimization based approaches to vehicle-to-grid scheduling 2012 ,		8
417	Ancillary service market simulation 2009 ,		8
416	On the complexity of precedence graphs for assembly and task planning. <i>Computers in Industry</i> , 1998 , 36, 101-111	11.6	8
415	Dynamic Fuzzy Estimation of Contracts Historic Information Using an Automatic Clustering Methodology. <i>Communications in Computer and Information Science</i> , 2015 , 270-282	0.3	8
414	Recommendation of Workplaces in a Coworking Building: A Cyber-Physical Approach Supported by a Context-Aware Multi-Agent System. <i>Sensors</i> , 2020 , 20,	3.8	8
413	Smart energy community: A systematic review with metanalysis. <i>Energy Strategy Reviews</i> , 2021 , 36, 100678	3.8	8

412	Enhanced Multi-Objective Energy Optimization by a Signaling Method. <i>Energies</i> , 2016 , 9, 807	3.1	8
411	Application of an optimization-based curtailment service provider in real-time simulation. <i>Energy Informatics</i> , 2018 , 1,	2.8	8
410	SCADA Office Building Implementation in the Context of an Aggregator 2018 ,		8
409	Non-technical losses: A systematic contemporary article review. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 147, 111205	16.2	8
408	Decision Support Application for Energy Consumption Forecasting. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 699	2.6	7
407	Energy Analyzer Emulator for Microgrid Implementation and Demonstration and Respective Gateway. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 134-144	4.3	7
406	Demand Response and Distributed Generation Remuneration Approach Considering Planning and Operation Stages. <i>Energies</i> , 2019 , 12, 2721	3.1	7
405	Distributed intelligent management of microgrids using a multi-agent simulation platform 2014 ,		7
404	Demand response programs definition supported by clustering and classification techniques 2011 ,		7
403	Distribution network short term scheduling in Smart Grid context 2011 ,		7
402	Multiagent system for adaptive strategy formulation in electricity markets 2011 ,		7
401	2009 ,		7
400	2009 ,		7
399	Optimization techniques for power distribution planning with uncertainties: A comparative study 2009 ,		7
398	Data Mining techniques to support the classification of MV electricity customers 2008 ,		7
397	Particle Swarm Optimization of Electricity Market Negotiating Players Portfolio. <i>Communications in Computer and Information Science</i> , 2014 , 273-284	0.3	7
396	Cyber-Physical Intelligence in the Context of Power Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 19-29	0.9	7
395	Computational Intelligence Applications for Future Power Systems 2011 , 176-193		7

394	Participation of a Smart Community of Consumers in Demand Response Programs 2018,		7
393	Strategic Particle Swarm Inertia Selection for Electricity Markets Participation Portfolio Optimization. <i>Applied Artificial Intelligence</i> , 2018 , 32, 745-767	2.3	6
392	Multiagent System Architecture for Short-term Operation of Integrated Microgrids. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 6355-6360		6
391	Lighting consumption optimization using fish school search algorithm 2017,		6
390	Energy and reserve provision dispatch considering distributed generation and demand response 2012,		6
389	Short-term scheduling considering five-minute and hour-ahead energy resource management 2012,		6
388	Stochastic framework for strategic decision-making of load-serving entities for day-ahead market 2013,		6
387	2010,		6
386	A Congestion Management and Transmission Price Simulator for Competitive Electricity Markets. <i>IEEE Power Engineering Society General Meeting</i> , 2007,		6
385	Short-Term Price Forecast from Risk Management Point of View		6
384	Model for the integration of distributed energy resources in energy markets by an aggregator 2017		6
383	AiD-EM: Adaptive Decision Support for Electricity Markets Negotiations 2019,		6
382	Smart City: A GECAD-BISITE Energy Management Case Study. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 92-100	0.4	6
381	Load Forecasting in an Office Building with Different Data Structure and Learning Parameters. <i>Forecasting</i> , 2021 , 3, 242-254	2.3	6
380	2016,		6
379	House management system with real and virtual resources: Energy efficiency in residential microgrid 2016,		6
378	2016,		6
377	A Local Electricity Market Model for DSO Flexibility Trading 2019,		6

376	Ramping of Demand Response Event with Deploying Distinct Programs by an Aggregator. <i>Energies</i> , 2020 , 13, 1389	3.1	6
375	Multi-objective robust optimization to solve energy scheduling in buildings under uncertainty 2017 ,		5
374	IoH: A Platform for the Intelligence of Home with a Context Awareness and Ambient Intelligence Approach. <i>Future Internet</i> , 2019 , 11, 58	3.3	5
373	Probabilistic estimation of the state of Electric Vehicles for smart grid applications in big data context 2015 ,		5
372	MicroGrid DER control including EVs in a residential area 2015 ,		5
371	Real-time simulation of renewable energy transactions in microgrid context using real hardware resources 2016 ,		5
370	Microgrid demonstration gateway for players communication and load monitoring and management 2016 ,		5
369	Dispatch of distributed energy resources to provide energy and reserve in smart grids using a particle swarm optimization approach 2013 ,		5
368	Consumers performance evaluation of the participation in demand response programs using baseline methods 2013 ,		5
367	Intelligent remuneration and tariffs for virtual power players 2013 ,		5
366	Relaxation of non-convex problem as an initial solution of meta-heuristics for energy resource management 2015 ,		5
365	Time-horizont distributed energy resources scheduling considering the integration of real-time pricing demand response 2015 ,		5
364	Intelligent energy resource management considering vehicle-to-grid: A Simulated Annealing approach 2012 ,		5
363	Real-time simulation of energy management in a domestic consumer 2013 ,		5
362	Multi-Agent based Smart Grid management and simulation: Situation awareness and learning in a test bed with simulated and real installations and players 2013 ,		5
361	Determining the adjustment baseline parameters to define an accurate customer baseline load 2013 ,		5
360	LMP triggered real time demand response events 2011 ,		5
359	Reactive power compensation by EPSO technique 2010 ,		5

358	Optimal dispatch with reactive power compensation by Genetic Algorithm 2010 ,		5
357	Complex market integration in MASCEM electricity market simulator 2011 ,		5
356	Balancing market integration in MASCEM electricity market simulator 2012 ,		5
355	MV producers and consumers agents characterization with DSM techniques 2009 ,		5
354	Cooperative Training of Power Systems~ Restoration Techniques		5
353	Competitive electricity markets: simulation to improve decision making		5
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331	Using baseline methods to identify non-technical losses in the context of smart grids 2013 ,		4
330	SCADA house intelligent management for energy efficiency analysis in domestic consumers 2013 ,		4
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288	Clustering optimization of distributed energy resources in support of an aggregator 2017 ,		3
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283	Data Mining Approach for Decision Support in Real Data Based Smart Grid Scenario 2015 ,		3
282	Distributed energy resources scheduling considering real-time resources forecast 2014 ,		3
281	Smart meters as a tool for energy efficiency 2014 ,		3
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201	Auction of Financial Transmission Rights in electricity market environment 2010,		2
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141	MASCEM restructuring: Ontologies for scenarios generation in power systems simulators 2013,	1
140	Evolutionary framework for multi-dimensional signaling method applied to energy dispatch problems in smart grids 2017,	1
139	Two-stage stochastic day-ahead optimal resource scheduling in a distribution network with intensive use of distributed energy resources 2015,	1
138	Portfolio Optimization for Electricity Market Participation with Particle Swarm 2015,	1
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135	Quantum-based particle swarm optimization application to studies of aggregated consumption shifting and generation scheduling in smart grids 2014,	1
134	Load profiling tool to support smart grid operation scenarios 2014,	1
133	Virtual power players demand response programs management based on locational marginal prices 2012,	1
132	ANN-based LMP forecasting in a distribution network with large penetration of DG 2012,	1
131	Stochastic short-term incentive-based demand response scheduling of load-serving entities 2013,	1
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87	Optimizing Lighting in an Office for Demand Response Participation Considering User Preferences 2019 ,		1
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85	UCB1 Based Reinforcement Learning Model for Adaptive Energy Management in Buildings. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 3-11	0.4	1
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81	Multi-Objective Portfolio Optimization of Electricity Markets Participation 2018 ,		1
80	Differential Evolution Application in Portfolio optimization for Electricity Markets 2018 ,		1
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66	Multi-agent based metalearner using genetic algorithm for decision support in electricity markets 2015 ,		0
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