

# Goran Strbac

## List of Publications by Year in Descending Order

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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.

225  
papers

5,972  
citations

37  
h-index

71  
g-index

249  
ext. papers

7,724  
ext. citations

6.5  
avg, IF

6.84  
L-index

#	Paper	IF	Citations
225	Multi-Agent Deep Reinforcement Learning for Coordinated Energy Trading and Flexibility Services Provision in Local Electricity Markets. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	0
224	Consumer-centric decarbonization framework using Stackelberg game and Blockchain. <i>Applied Energy</i> , <b>2022</b> , 309, 118384	10.7	1
223	Safe reinforcement learning for real-time automatic control in a smart energy-hub. <i>Applied Energy</i> , <b>2022</b> , 309, 118403	10.7	3
222	Resilience-driven optimal sizing and pre-positioning of mobile energy storage systems in decentralized networked microgrids. <i>Applied Energy</i> , <b>2022</b> , 305, 117921	10.7	7
221	Machine-learned security assessment for changing system topologies. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 134, 107380	5.1	0
220	Heterogeneous network flow and Petri nets characterize multilayer complex networks.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3513	4.9	
219	Impact of Local Emergency Demand Response Programs on the Operation of Electricity and Gas Systems. <i>Energies</i> , <b>2022</b> , 15, 2144	3.1	
218	Thermo-economic assessment of flexible nuclear power plants in future low-carbon electricity systems: Role of thermal energy storage. <i>Energy Conversion and Management</i> , <b>2022</b> , 258, 115484	10.6	2
217	Values of latent heat and thermochemical energy storage technologies in low-carbon energy systems: Whole system approach. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104126	7.8	0
216	Verifying Machine Learning conclusions for securing Low Inertia systems. <i>Sustainable Energy, Grids and Networks</i> , <b>2022</b> , 30, 100656	3.6	0
215	A novel deep-learning based surrogate modeling of stochastic electric vehicle traffic user equilibrium in low-carbon electricity transportation nexus. <i>Applied Energy</i> , <b>2022</b> , 315, 118961	10.7	2
214	Coordination for Multi-Energy Microgrids Using Multi-Agent Reinforcement Learning. <i>IEEE Transactions on Industrial Informatics</i> , <b>2022</b> , 1-1	11.9	0
213	Transition to Digitalized Paradigms for Security Control and Decentralized Electricity Market. <i>Proceedings of the IEEE</i> , <b>2022</b> , 1-18	14.3	0
212	Investigating the Effective Methods in Improving the Resilience of Electricity and Gas Systems. <i>Power Systems</i> , <b>2022</b> , 137-152	0.4	1
211	Coordinated Electric Vehicle Active and Reactive Power Control for Active Distribution Networks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2022</b> , 1-1	11.9	
210	A Backwards Induction Framework for Quantifying the Option Value of Smart Charging of Electric Vehicles and the Risk of Stranded Assets under Uncertainty. <i>Energies</i> , <b>2022</b> , 15, 3334	3.1	2
209	Value of optimal trip and charging scheduling of commercial electric vehicle fleets with Vehicle-to-Grid in future low inertia systems. <i>Sustainable Energy, Grids and Networks</i> , <b>2022</b> , 100738	3.6	0

208	A novel preheating coordination approach in electrified heat systems. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	0
207	Long-Term Expansion Planning of the Transmission Network in India under Multi-Dimensional Uncertainty. <i>Energies</i> , <b>2021</b> , 14, 7813	3.1	2
206	Value of Interconnectors Operating in Simultaneous Energy-Frequency Response Markets. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	0
205	Optimal Offering of a Power Producer in Electricity Markets with Profile and Linked Block Orders. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	
204	Resilience Oriented Planning of Urban Multi-Energy Systems With Generalized Energy Storage Sources. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	5
203	Probabilistic Scheduling of UFLS to Secure Credible Contingencies in Low Inertia Systems. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	0
202	Ancillary services in Great Britain during the COVID-19 lockdown: A glimpse of the carbon-free future. <i>Applied Energy</i> , <b>2021</b> , 285, 116500	10.7	12
201	A machine-learning based probabilistic perspective on dynamic security assessment. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 128, 106571	5.1	6
200	Scalable coordinated management of peer-to-peer energy trading: A multi-cluster deep reinforcement learning approach. <i>Applied Energy</i> , <b>2021</b> , 292, 116940	10.7	21
199	Computationally Efficient Pricing and Benefit Distribution Mechanisms for Incentivizing Stable Peer-to-Peer Energy Trading. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 734-749	10.7	12
198	Distributed Consensus-Based Coordination of Flexible Demand and Energy Storage Resources. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 3053-3069	7	0
197	Co-optimization of resilient gas and electricity networks; a novel possibilistic chance-constrained programming approach. <i>Applied Energy</i> , <b>2021</b> , 284, 116284	10.7	11
196	Low-Complexity Decentralized Algorithm for Aggregate Load Control of Thermostatic Loads. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 987-998	4.3	2
195	Provision of Voltage Ancillary Services Through Enhanced TSO-DSO Interaction and Aggregated Distributed Energy Resources. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 897-908	8.2	10
194	A Scalable Privacy-Preserving Multi-agent Deep Reinforcement Learning Approach for Large-Scale Peer-to-Peer Transactive Energy Trading. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 1-1	10.7	8
193	Reliability and resiliency assessment in integrated gas and electricity systems in the presence of energy storage systems <b>2021</b> , 369-397		1
192	Decarbonization of Electricity Systems in Europe: Market Design Challenges. <i>IEEE Power and Energy Magazine</i> , <b>2021</b> , 19, 53-63	2.4	17
191	Conditions for Regional Frequency Stability in Power System Scheduling Part I: Theory. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	2

190	A three-level planning model for optimal sizing of networked microgrids considering a trade-off between resilience and cost. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	6
189	Conditions for Regional Frequency Stability in Power System Scheduling Part II: Application to Unit Commitment. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	3
188	A Confidence-Aware Machine Learning Framework for Dynamic Security Assessment. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 3907-3920	7	1
187	Reliability and Vulnerability Assessment of Multi-Energy Systems: An Energy Hub Based Method. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 3948-3959	7	12
186	Challenges and opportunities of inertia estimation and forecasting in low-inertia power systems. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 147, 111176	16.2	10
185	Selecting decision trees for power system security assessment. <i>Energy and AI</i> , <b>2021</b> , 6, 100110	12.6	1
184	Evaluation of benefits through coordinated control of numerous thermal energy storage in highly electrified heat systems. <i>Energy</i> , <b>2021</b> , 237, 121600	7.9	4
183	A causality based feature selection approach for data-driven dynamic security assessment. <i>Electric Power Systems Research</i> , <b>2021</b> , 201, 107537	3.5	3
182	Cost and low-carbon competitiveness of electrolytic hydrogen in China. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 4868-4881	35.4	13
181	Real-Time Autonomous Residential Demand Response Management Based on Twin Delayed Deep Deterministic Policy Gradient Learning. <i>Energies</i> , <b>2021</b> , 14, 531	3.1	9
180	Integration of Hydrogen into Multi-Energy Systems Optimisation. <i>Energies</i> , <b>2020</b> , 13, 1606	3.1	8
179	Value of Point-of-Load Voltage Control for Enhanced Frequency Response in Future GB Power System. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 4938-4948	10.7	2
178	Optimal Portfolio of Distinct Frequency Response Services in Low-Inertia Systems. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 4459-4469	7	16
177	Quantification and visualisation of extreme wind effects on transmission network outage probability and wind generation output. <i>IET Smart Grid</i> , <b>2020</b> , 3, 112-122	2.7	4
176	Coordinated Operation of Gas and Electricity Systems for Flexibility Study. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	11
175	Model-Free Real-Time Autonomous Control for a Residential Multi-Energy System Using Deep Reinforcement Learning. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 3068-3082	10.7	46
174	Quantification of the Energy Storage Contribution to Security of Supply through the F-Factor Methodology. <i>Energies</i> , <b>2020</b> , 13, 826	3.1	2
173	Investigating the impact of flexible demand on market-based generation investment planning. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 119, 105881	5.1	4

172	Investigating the effects of demand flexibility on electricity retailers' business through a tri-level optimisation model. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 1739-1750	2.5	3
171	Integration of power-to-gas and low-carbon road transport in Great Britain's future energy system. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3393-3400	2.9	0
170	Role and value of flexibility in facilitating cost-effective energy system decarbonisation. <i>Progress in Energy</i> , <b>2020</b> , 2, 042001	7.7	15
169	Secure Operation of Integrated Natural Gas and Electricity Transmission Networks. <i>Energies</i> , <b>2020</b> , 13, 4954	3.1	2
168	On microgrids and resilience: A comprehensive review on modeling and operational strategies. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 134, 110313	16.2	57
167	Modelling of national and local interactions between heat and electricity networks in low-carbon energy systems. <i>Applied Energy</i> , <b>2020</b> , 276, 115522	10.7	13
166	Resilience-Driven Modeling, Operation and Assessment for a Hybrid AC/DC Microgrid. <i>IEEE Access</i> , <b>2020</b> , 8, 139756-139770	3.5	6
165	Investing in flexibility in an integrated planning of natural gas and power systems. <i>IET Energy Systems Integration</i> , <b>2020</b> , 2, 101-111	3.3	13
164	Stabilizing peer-to-peer energy trading in prosumer coalition through computational efficient pricing. <i>Electric Power Systems Research</i> , <b>2020</b> , 189, 106764	3.5	8
163	Stochastic optimization model for coordinated operation of natural gas and electricity networks. <i>Computers and Chemical Engineering</i> , <b>2020</b> , 142, 107060	4	14
162	A Deep Reinforcement Learning Method for Pricing Electric Vehicles With Discrete Charging Levels. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5901-5912	4.3	24
161	Distributed Control of Clustered Populations of Thermostatic Loads in Multi-Area Systems: A Mean Field Game Approach. <i>Energies</i> , <b>2020</b> , 13, 6483	3.1	1
160	Using Bayesian Deep Learning to Capture Uncertainty for Residential Net Load Forecasting. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 188-201	7	60
159	Incorporating Non-Convex Operating Characteristics Into Bi-Level Optimization Electricity Market Models. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 163-176	7	12
158	A Planning Model for a Hybrid AC/DC Microgrid Using a Novel GA/AC OPF Algorithm. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 227-237	7	26
157	Deep Reinforcement Learning for Strategic Bidding in Electricity Markets. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 1343-1355	10.7	63
156	. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 997-1008	7	14
155	Low-complexity control algorithm for decentralised demand response using thermostatic loads <b>2019</b> ,		1

154	Value of Thermostatic Loads in Energy Frequency Response Markets: a Mean Field Game Approach <b>2019</b> ,		1
153	Evaluating Strategies for Decarbonising the Transport Sector in Great Britain <b>2019</b> ,		2
152	Multi-Period and Multi-Spatial Equilibrium Analysis in Imperfect Electricity Markets: A Novel Multi-Agent Deep Reinforcement Learning Approach. <i>IEEE Access</i> , <b>2019</b> , 7, 130515-130529	3.5	31
151	A Mean Field Game Approach for Distributed Control of Thermostatic Loads Acting in Simultaneous Energy-Frequency Response Markets. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 5987-5999	10.7	22
150	Investigating the impacts of price-taking and price-making energy storage in electricity markets through an equilibrium programming model. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 305-315	2.5	12
149	From Optimization-Based Machine Learning to Interpretable Security Rules for Operation. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 3826-3836	7	32
148	Benefits of smart control of hybrid heat pumps: An analysis of field trial data. <i>Applied Energy</i> , <b>2019</b> , 247, 525-536	10.7	15
147	Clustering-Based Residential Baseline Estimation: A Probabilistic Perspective. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 6014-6028	10.7	35
146	. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 225-235	7	15
145	Data-Driven Power System Operation: Exploring the Balance Between Cost and Risk. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 791-801	7	18
144	Transmission Network Investment With Distributed Energy Resources and Distributionally Robust Security. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 5157-5168	7	17
143	Simultaneous Scheduling of Multiple Frequency Services in Stochastic Unit Commitment. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 3858-3868	7	50
142	Distributed Coordination of Flexible Loads Using Locational Marginal Prices. <i>IEEE Transactions on Control of Network Systems</i> , <b>2019</b> , 6, 1097-1110	4	4
141	Evaluating grid-interactive electric bus operation and demand response with load management tariff. <i>Applied Energy</i> , <b>2019</b> , 255, 113798	10.7	16
140	A game-theoretic approach for price-based coordination of flexible devices operating in integrated energy-reserve markets. <i>Energy</i> , <b>2019</b> , 189, 116153	7.9	6
139	. <i>IEEE Power and Energy Magazine</i> , <b>2019</b> , 17, 25-36	2.4	16
138	Contribution of Energy Storage to System Adequacy and its Value in the Capacity Market <b>2019</b> ,		1
137	Coordinated operation strategies for natural gas and power systems in presence of gas-related flexibilities. <i>IET Energy Systems Integration</i> , <b>2019</b> , 1, 3-13	3.3	20

136	A Deep Q Network Approach for Optimizing Offering Strategies in Electricity Markets <b>2019</b> ,		2
135	Impact of Energy Storage on Market-Based Generation Investment Planning <b>2019</b> ,		1
134	An ambiguity averse approach for transmission expansion planning <b>2019</b> ,		2
133	Investment Model for Cost-effective Integration of Solar PV Capacity under Uncertainty using a Portfolio of Energy Storage and Soft Open Points <b>2019</b> ,		4
132	Consensus-Based Coordination of Time-Shiftable Flexible Demand <b>2019</b> ,		1
131	Impact of Uncertainties on Resilient Operation of Microgrids: A Data-Driven Approach. <i>IEEE Access</i> , <b>2019</b> , 7, 14924-14937	3.5	36
130	Preheating Quantification for Smart Hybrid Heat Pumps Considering Uncertainty. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4753-4763	11.9	4
129	Data-Driven Representative Day Selection for Investment Decisions: A Cost-Oriented Approach. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 2925-2936	7	22
128	A Deep Learning-Based Feature Extraction Framework for System Security Assessment. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 5007-5020	10.7	46
127	Whole-System Assessment of the Benefits of Integrated Electricity and Heat System. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 1132-1145	10.7	36
126	Stochastic Dual Dynamic Programming for Operation of DER Aggregators Under Multi-Dimensional Uncertainty. <i>IEEE Transactions on Sustainable Energy</i> , <b>2019</b> , 10, 459-469	8.2	11
125	Probabilistic Peak Load Estimation in Smart Cities Using Smart Meter Data. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 1608-1618	8.9	24
124	Risk-averse bidding of energy and spinning reserve by wind farms with on-site energy storage. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 165-173	2.9	16
123	Economic assessment of alternative heat decarbonisation strategies through coordinated operation with electricity system UK case study. <i>Applied Energy</i> , <b>2018</b> , 222, 79-91	10.7	30
122	Option Value of Demand-Side Response Schemes Under Decision-Dependent Uncertainty. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 5103-5113	7	11
121	An objective-based scenario selection method for transmission network expansion planning with multivariate stochasticity in load and renewable energy sources. <i>Energy</i> , <b>2018</b> , 145, 871-885	7.9	27
120	On Distributed Scheduling of Flexible Demand and Nash Equilibria in the Electricity Market. <i>Dynamic Games and Applications</i> , <b>2018</b> , 8, 761-798	1.1	4
119	An affine arithmetic-based multi-objective optimization method for energy storage systems operating in active distribution networks with uncertainties. <i>Applied Energy</i> , <b>2018</b> , 223, 215-228	10.7	26

118	Understanding the Benefits of Dynamic Line Rating Under Multiple Sources of Uncertainty. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 3306-3314	7	23
117	Quantifying the Potential Economic Benefits of Flexible Industrial Demand in the European Power System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 5123-5132	11.9	12
116	Investigating the Social Efficiency of Merchant Transmission Planning Through a Non-cooperative Game-Theoretic Framework. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 4831-4841	7	6
115	Investigating the Ability of Demand Shifting to Mitigate Electricity Producers' Market Power. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 3800-3811	7	26
114	Integration of Price-Responsive Appliances in the Energy Market Through Flexible Demand Saturation. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 154-166	4	6
113	Role and Benefits of Flexible Thermostatically Controlled Loads in Future Low-Carbon Systems. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 5067-5079	10.7	31
112	Planning With Multiple Transmission and Storage Investment Options Under Uncertainty: A Nested Decomposition Approach. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 3559-3572	7	14
111	Distributed Coordination of Price-Responsive Electric Loads: A Receding Horizon Approach <b>2018</b> ,		4
110	A Distributed Price-based Strategy for Flexible Demand Coordination in Multi-area Systems <b>2018</b> ,		1
109	Sample-Derived Disjunctive Rules for Secure Power System Operation <b>2018</b> ,		3
108	Risk-based method to secure power systems against cyber-physical faults with cascading impacts: a system protection scheme application. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2018</b> , 6, 930-943	4	4
107	Optimal Scheduling of Frequency Services Considering a Variable Largest-Power-Infeed-Loss <b>2018</b> ,		3
106	Voltage Support from Distribution Level Resources in South-East England <b>2018</b> ,		1
105	Assessment of Future Whole-System Value of Large-Scale Pumped Storage Plants in Europe. <i>Energies</i> , <b>2018</b> , 11, 246	3.1	11
104	Investigating the Impact of Demand Flexibility on Electricity Retailers <b>2018</b> ,		1
103	Design of a Hybrid AC/DC Microgrid Using HOMER Pro: Case Study on an Islanded Residential Application. <i>Inventions</i> , <b>2018</b> , 3, 55	2.9	37
102	Option value of dynamic line rating and storage <b>2018</b> ,		4
101	Strategic Distribution Network Planning With Smart Grid Technologies. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 2656-2664	10.7	35



100	Efficacy of options to address balancing challenges: Integrated gas and electricity perspectives. <i>Applied Energy</i> , <b>2017</b> , 190, 181-190	10.7	46
99	Full Stochastic Scheduling for Low-Carbon Electricity Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2017</b> , 14, 461-470	4.9	24
98	Realising transition pathways for a more electric, low-carbon energy system in the United Kingdom: Challenges, insights and opportunities. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , <b>2017</b> , 231, 440-477	1.6	24
97	Price-Based Schemes for Distributed Coordination of Flexible Demand in the Electricity Market. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 3104-3116	10.7	34
96	Value of gas network infrastructure flexibility in supporting cost effective operation of power systems. <i>Applied Energy</i> , <b>2017</b> , 202, 571-580	10.7	36
95	Integrated North Sea grids: The costs, the benefits and their distribution between countries. <i>Energy Policy</i> , <b>2017</b> , 101, 28-41	7.2	33
94	Economic analysis of energy storage business models <b>2017</b> ,		5
93	Optimal multi-service business models for electric vehicles <b>2017</b> ,		1
92	A stochastic dual dynamic programming approach for optimal operation of DER aggregators <b>2017</b> ,		5
91	Robust estimation of risks from small samples. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	1
90	A fuzzy-logicBased control methodology for secure operation of a microgrid in interconnected and isolated modes. <i>International Transactions on Electrical Energy Systems</i> , <b>2017</b> , 27, e2389	2.2	13
89	Implementation of a Massively Parallel Dynamic Security Assessment Platform for Large-Scale Grids. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 1417-1426	10.7	42
88	C-Vine Copula Mixture Model for Clustering of Residential Electrical Load Pattern Data. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 2382-2393	7	54
87	Advanced Control of Thermostatic Loads for Rapid Frequency Response in Great Britain. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 2106-2117	7	62
86	A Semi-Decentralized Scheme for Integration of Price-Responsive Appliances in the Electricity Market. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 6729-6736	0.7	3
85	Assessing the value and impact of demand side response using whole-system approach. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , <b>2017</b> , 231, 498-507	1.6	8
84	Understanding the aggregate flexibility of thermostatically controlled loads <b>2017</b> ,		1
83	Optimal Allocation of ESSs for Mitigating Fluctuation in Active Distribution Network. <i>Energy Procedia</i> , <b>2017</b> , 142, 3572-3577	2.3	3

82	Optimization of Heat Sector Decarbonization Strategy through Coordinated Operation with Electricity System. <i>Energy Procedia</i> , <b>2017</b> , 142, 2858-2863	2.3	3
81	A new class of planning models for option valuation of storage technologies under decision-dependent innovation uncertainty <b>2017</b> ,		2
80	Convergence and optimality of a new iterative price-based scheme for distributed coordination of flexible loads in the electricity market <b>2017</b> ,		4
79	Economic value of inertia in low-carbon power systems <b>2017</b> ,		4
78	Provision of ancillary services in future low-carbon UK electricity system <b>2017</b> ,		4
77	. <i>IEEE Transactions on Smart Grid</i> , <b>2016</b> , 7, 1137-1146	10.7	25
76	Corrective Control With Transient Assistive Measures: Value Assessment for Great Britain Transmission System. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 1-1	7	6
75	Strategic Valuation of Smart Grid Technology Options in Distribution Networks. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 1-1	7	20
74	Effect of Battery Degradation on Multi-Service Portfolios of Energy Storage. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 1718-1729	8.2	60
73	Coordinated corrective control for transient stability enhancement in future Great Britain transmission system <b>2016</b> ,		4
72	Incorporating failures of System Protection Schemes into power system operation. <i>Sustainable Energy, Grids and Networks</i> , <b>2016</b> , 8, 98-110	3.6	12
71	An MPEC approach for analysing the impact of energy storage in imperfect electricity markets <b>2016</b> ,		7
70	Business cases for energy storage with multiple service provision. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2016</b> , 4, 615-625	4	27
69	Stochastic Scheduling With Inertia-Dependent Fast Frequency Response Requirements. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 1557-1566	7	137
68	Scheduling of Wind Farms for Optimal Frequency Response and Energy Recovery. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1764-1778	4.8	17
67	Assessment of the Role and Value of Frequency Response Support From Wind Plants. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 586-595	8.2	73
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