

# Geert Deconinck

## List of Publications by Year in descending order

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Version: 2024-02-01

350  
papers

5,580  
citations

117625

34  
h-index

128289

60  
g-index

364  
all docs

364  
docs citations

364  
times ranked

4595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic mode decomposition for nonintrusive and robust model predictive control of residential heating systems. <i>Energy and Buildings</i> , 2022, 254, 111450.	6.7	5
2	In Pursuit of New Real-Time Ancillary Services Providers: Hidden Opportunities in Low Voltage Networks and Sustainable Buildings. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 429-442.	9.0	8
3	Peer to Peer Flexibility Trading in the Voltage Control of Low Voltage Distribution Network. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 2821-2832.	6.5	1
4	Transfer learning in demand response: A review of algorithms for data-efficient modelling and control. <i>Energy and AI</i> , 2022, 7, 100126.	10.6	45
5	Community-Based Microgrids: Literature Review and Pathways to Decarbonise the Local Electricity Network. <i>Energies</i> , 2022, 15, 918.	3.1	26
6	Grid-Friendly Smart Sustainable Buildings: Flexibility-to-Cost Mapping. <i>IEEE Transactions on Sustainable Energy</i> , 2022, 13, 1857-1860.	8.8	9
7	A Privacy-Preserving Three-Step Demand Response Market Using Multi-Party Computation. , 2022, , .		3
8	Practical approximations and heuristic approaches for managing shiftable loads in the multi-period optimal power flow framework. <i>Electric Power Systems Research</i> , 2021, 190, 106864.	3.6	5
9	Stochastic distributed optimization of shapeable energy resources in low voltage distribution networks under limited communications. <i>International Journal of Energy Research</i> , 2021, 45, 991-1006.	4.5	2
10	A Comprehensive Multi-Period Optimal Power Flow Framework for Smart LV Networks. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 3029-3041.	6.5	13
11	Domain Randomization for Demand Response of an Electric Water Heater. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 1370-1379.	9.0	17
12	Decentralised Control and Peer-To-Peer Cooperation in Smart Energy Systems. , 2021, , 121-138.		1
13	A Mean-Field Voltage Control Approach for Active Distribution Networks With Uncertainties. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 1455-1466.	9.0	10
14	Special Issue on Recent Advances for Intelligence in Power and Energy Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2036-2040.	9.3	1
15	Applications of optimization models for electricity distribution networks. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2021, 10, e401.	4.1	8
16	Interval Optimization to Schedule a Multi-Energy System with Data-Driven PV Uncertainty Representation. <i>Energies</i> , 2021, 14, 2739.	3.1	4
17	Data-driven forecasting of local <sc>PV</sc> generation for stochastic <sc>PV</sc> â€”battery system management. <i>International Journal of Energy Research</i> , 2021, 45, 15962-15979.	4.5	9
18	Predictive Control in LV Networks: A 3-Stage Approach for Smart Sustainable Buildings. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	A hybrid policy gradient and rule-based control framework for electric vehicle charging. Energy and AI, 2021, 4, 100059.	10.6	17
20	From Smart to Sustainable to Grid-Friendly: A Generic Planning Framework for Enabling the Transition Between Smart Home Archetypes. IEEE Transactions on Sustainable Energy, 2021, 12, 1684-1694.	8.8	10
21	An Ecosystem View of Peer-to-Peer Electricity Trading: Scenario Building by Business Model Matrix to Identify New Roles. Energies, 2021, 14, 4438.	3.1	8
22	Voltage-Dependent Load Models in Unbalanced Optimal Power Flow Using Power Cones. IEEE Transactions on Smart Grid, 2021, 12, 2890-2902.	9.0	8
23	Model-predictive control and reinforcement learning in multi-energy system case studies. Applied Energy, 2021, 303, 117634.	10.1	55
24	A generic multi-period optimal power flow framework for combating operational constraints via residential flexibility resources. IET Generation, Transmission and Distribution, 2021, 15, 306-320.	2.5	4
25	A privacy-friendly aggregation algorithm for demand side management of residential loads. , 2021, , .		1
26	Transfer learning for Demand Response of a Multi-Agent Battery and Electric Water Heater System. , 2021, , .		0
27	Grid-Constrained Distributed Optimization for Frequency Control With Low-Voltage Flexibility. IEEE Transactions on Smart Grid, 2020, 11, 612-622.	9.0	7
28	Optimal Combination of Frequency Control and Peak Shaving With Battery Storage Systems. IEEE Transactions on Smart Grid, 2020, 11, 3270-3279.	9.0	38
29	Robust Policy-Based Distributed Voltage Control Provided by PV-Battery Inverters. IEEE Access, 2020, 8, 124939-124948.	4.2	3
30	Distributed optimization for scheduling energy flows in community microgrids. Electric Power Systems Research, 2020, 187, 106479.	3.6	26
31	Nonconvex lifted unbalanced branch flow model: Derivation, implementation and experiments. Electric Power Systems Research, 2020, 189, 106558.	3.6	2
32	Simultaneous Provision of Voltage and Frequency Control by PV-Battery Systems. IEEE Access, 2020, 8, 152820-152836.	4.2	17
33	Distributed Model-free Control in Low Voltage Distribution Networks: A Mean Field Approach. , 2020, , .		3
34	Comparison of Statistical-Based and Data-Driven-Based Scenario Generation of PV Power for Stochastic Day-Ahead Battery Scheduling. , 2020, , .		2
35	Distributed Online Optimization for Voltage Control in Low Voltage Distribution Networks. , 2020, , .		0
36	On the Contributions of Operational Flexibility Offered by Smart Sustainable Residential Buildings. , 2020, , .		1

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37	Reinforcement learning for control of flexibility providers in a residential microgrid. IET Smart Grid, 2020, 3, 98-107.	2.2	19
38	Distributed Optimization in Low Voltage Distribution Networks via Broadcast Signals. Energies, 2020, 13, 43.	3.1	6
39	Current-Voltage Formulation of the Unbalanced Optimal Power Flow Problem. , 2020, , .		11
40	A Tractable Approximation Approach to Deal with the Binary Nature of Shiftable Loads in Multi-Period Optimal Power Flow. , 2020, , .		3
41	Applying reinforcement learning to maximise photovoltaic self-consumption for electric vehicle charging. CIRED - Open Access Proceedings Journal, 2020, 2020, 285-288.	0.1	1
42	New Roles in Peer-to-Peer Electricity Markets: Value Network Analysis. , 2020, , .		5
43	Digitalised, decentralised power infrastructures challenge blockchains. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2020, 173, 29-40.	1.7	2
44	Practical Comparison of Aggregate Control Algorithms for Demand Response with Residential Thermostatically Controlled Loads. , 2020, , .		0
45	Decomposition of $n$ -winding transformers for unbalanced optimal power flow. IET Generation, Transmission and Distribution, 2020, 14, 5961-5969.	2.5	7
46	Benchmarking reinforcement learning algorithms for demand response applications. , 2020, , .		2
47	Transfer learning for operational planning of batteries in commercial buildings. , 2020, , .		4
48	Lessons From 10 Years of Demand Response Research: Smart Energy for Customers?. IEEE Systems, Man, and Cybernetics Magazine, 2019, 5, 21-30.	1.4	17
49	How detailed value of lost load data impact power system reliability decisions. Energy Policy, 2019, 132, 1064-1075.	8.8	35
50	Ensemble Machine Learning Forecaster for Day Ahead PV System Generation. , 2019, , .		6
51	Fairness and inequality in power system reliability: Summarizing indices. Electric Power Systems Research, 2019, 168, 313-323.	3.6	18
52	Distributed optimization of energy flows in microgrids based on dual decomposition. IFAC-PapersOnLine, 2019, 52, 500-505.	0.9	3
53	Techno-economic analysis and optimal control of battery storage for frequency control services, applied to the German market. Applied Energy, 2019, 242, 1036-1049.	10.1	30
54	Peer-to-peer-based integrated grid voltage support function for smart photovoltaic inverters. Applied Energy, 2019, 239, 1037-1048.	10.1	54

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55	IFC-Based Partial Data Model Retrieval for Distributed Collaborative Design. Journal of Computing in Civil Engineering, 2019, 33, .	4.7	16
56	Electric Water Heater Control Through Informed Fitted Q-Iteration. , 2019, , .		2
57	Benchmarking regression methods for function approximation in reinforcement learning: heat pump control. , 2019, , .		5
58	Direct load control of thermostatically controlled loads based on sparse observations using deep reinforcement learning. CSEE Journal of Power and Energy Systems, 2019, , .	1.1	10
59	Double Q-learning for Demand Response of an Electric Water Heater. , 2019, , .		3
60	A multi-dimensional analysis of reliability criteria: From deterministic N <sup>a</sup> 1 to a probabilistic approach. Electric Power Systems Research, 2019, 167, 290-300.	3.6	22
61	Decentralized EV-Based Charging Optimization With Building Integrated Wind Energy. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1002-1017.	5.2	75
62	Combined Stochastic Optimization of Frequency Control and Self-Consumption With a Battery. IEEE Transactions on Smart Grid, 2019, 10, 1971-1981.	9.0	55
63	Who gets my flex? An evolutionary game theory analysis of flexibility market dynamics. Applied Energy, 2018, 218, 104-113.	10.1	42
64	e-BIM: a BIM-centric design and analysis software for Building Integrated Photovoltaics. Automation in Construction, 2018, 87, 127-137.	9.8	21
65	Distributed Coordination of EV Charging With Renewable Energy in a Microgrid of Buildings. IEEE Transactions on Smart Grid, 2018, 9, 6253-6264.	9.0	110
66	Self-learning agent for battery energy management in a residential microgrid. , 2018, , .		7
67	Analysis of Activation Constraints and their Effect on Demand-Side Flexibility Allocations. , 2018, , .		0
68	Fair Reliability Management: Comparing Deterministic and Probabilistic Short-Term Reliability Management. , 2018, , .		4
69	Battery Scheduling in a Residential Multi-Carrier Energy System Using Reinforcement Learning. , 2018, , .		15
70	Intelligent Electric Water Heater Control with Varying State Information. , 2018, , .		4
71	Review and classification of reliability indicators for power systems with a high share of renewable energy sources. Renewable and Sustainable Energy Reviews, 2018, 97, 554-568.	16.4	60
72	Experimental Validation of Peer-to-Peer Distributed Voltage Control System. Energies, 2018, 11, 1304.	3.1	11

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73	Benefits of a multi-energy day-ahead market. Energy, 2018, 165, 651-661.	8.8	8
74	Fairness of Power System Load-Shedding Plans. , 2018, , .		3
75	Using reinforcement learning for optimizing heat pump control in a building model in Modelica. , 2018, , .		18
76	Comparing neural architectures for demand response through model-free reinforcement learning for heat pump control. , 2018, , .		16
77	Peer-to-Peer Energy Trading and Grid Control Communications Solutions' Feasibility Assessment Based on Key Performance Indicators. , 2018, , .		5
78	The Impact of Operating Reserves on Investment Planning of Renewable Power Systems. IEEE Transactions on Power Systems, 2017, 32, 378-388.	6.5	62
79	BIM-based PV system optimization and deployment. Energy and Buildings, 2017, 150, 13-22.	6.7	34
80	Quantifying the importance of power system operation constraints in power system planning models: A case study for electricity storage. Journal of Energy Storage, 2017, 13, 344-358.	8.1	18
81	Value assessment of aggregated energy flexibility when traded on multiple markets. , 2017, , .		2
82	P2P model for distributed energy trading, grid control and ICT for local smart grids. , 2017, , .		39
83	Dual-decomposition-based peer-to-peer voltage control for distribution networks. CIRED - Open Access Proceedings Journal, 2017, 2017, 1718-1721.	0.1	21
84	Multi-goal optimization of competing aggregators using a web-of-cells approach. , 2017, , .		3
85	Qualitative comparison of techniques for evaluating performance of short term power system reliability management. , 2017, , .		0
86	An integrated design platform for BIPV system considering building information. , 2017, , .		1
87	Performance Assessment of Black Box Capacity Forecasting for Multi-Market Trade Application. Energies, 2017, 10, 1673.	3.1	8
88	Battery Energy Management in a Microgrid Using Batch Reinforcement Learning. Energies, 2017, 10, 1846.	3.1	117
89	Generation Expansion Models including Technical Constraints and Demand Uncertainty. Journal of Applied Mathematics, 2017, 2017, 1-11.	0.9	3
90	Predictive control for multi-market trade of aggregated demand response using a black box approach. , 2016, , .		3

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91	Applying machine learning techniques for forecasting flexibility of virtual power plants. , 2016, , .		24
92	A distributed gossip-based voltage control algorithm for peer-to-peer microgrids. , 2016, , .		10
93	Spot phosphor concept applied to a remote phosphor light-emitting diode light engine. Optical Engineering, 2016, 55, 115103.	1.0	2
94	Sequential decision-making strategy for a demand response aggregator in a two-settlement electricity market. , 2016, , .		1
95	Spot phosphor concept applied to the remote phosphor configuration of a white phosphor-converted LED. Proceedings of SPIE, 2016, , .	0.8	1
96	The impact of long-term demand response on investment planning of renewable power systems. , 2016, , .		2
97	Beyond theory: Experimental results of a self-learning air conditioning unit. , 2016, , .		7
98	The role of long-term energy storage in investment planning of renewable power systems. , 2016, , .		2
99	Multi-Agent platform for Grid and communication impact analysis of rapidly deployed demand response algorithms. , 2016, , .		3
100	Charging Electric Vehicles in the Smart Grid. Power Systems, 2016, , 147-161.	0.5	0
101	Framework for Evaluating and Comparing Performance of Power System Reliability Criteria. IEEE Transactions on Power Systems, 2016, 31, 5153-5162.	6.5	25
102	Optical Modelling of Luminescent Cascade Systems with the Adding-Doubling Method. Springer Proceedings in Physics, 2016, , 67-80.	0.2	0
103	Impact of increased uncertainty in power systems on performance of short term reliability management. , 2016, , .		1
104	Knowledge-based engineering of a PLC controlled telescope. , 2016, , .		0
105	Analysis framework for performance evaluation of reliability management in power systems with increased uncertainty. , 2016, , 2322-2329.		1
106	Combining Market-Based Control with Distribution Grid Constraints when Coordinating Electric Vehicle Charging. Engineering, 2015, 1, 453-465.	6.7	13
107	Experimental validation of adding-doubling modeling of solar cells including luminescent down-shifting layers. Journal of Renewable and Sustainable Energy, 2015, 7, .	2.0	9
108	Impact of the Geometrical and Optical Parameters on the Performance of a Cylindrical Remote Phosphor LED. IEEE Photonics Journal, 2015, 7, 1-14.	2.0	9

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109	Cluster Control of Heterogeneous Thermostatically Controlled Loads Using Tracer Devices. IEEE Transactions on Smart Grid, 2015, , 1-9.	9.0	25
110	Impact of value of lost load on performance of reliability criteria and reliability management. , 2015, , .		6
111	Potential of Active Demand Reduction With Residential Wet Appliances: A Case Study for Belgium. IEEE Transactions on Smart Grid, 2015, 6, 315-323.	9.0	95
112	Matching EV Charging Load With Uncertain Wind: A Simulation-Based Policy Improvement Approach. IEEE Transactions on Smart Grid, 2015, 6, 1425-1433.	9.0	117
113	Integration of Distribution Grid Constraints in an Event-Driven Control Strategy for Plug-in Electric Vehicles in a Multi-Aggregator Setting. Power Systems, 2015, , 129-171.	0.5	2
114	Demand response flexibility and flexibility potential of residential smart appliances: Experiences from large pilot test in Belgium. Applied Energy, 2015, 155, 79-90.	10.1	286
115	Novel methodology for optimal reconfiguration of distribution networks with distributed energy resources. Electric Power Systems Research, 2015, 127, 165-176.	3.6	17
116	Reinforcement Learning of Heuristic EV Fleet Charging in a Day-Ahead Electricity Market. IEEE Transactions on Smart Grid, 2015, 6, 1795-1805.	9.0	145
117	Chromaticity of unique white in illumination mode. Optics Express, 2015, 23, 12488.	3.4	28
118	Influence of voltage support by converter based distributed generation on the short-circuit power. , 2015, , .		3
119	Response of an AC - DC hybrid transmission system to faults in the AC network. , 2015, , .		3
120	Quantifying the flexibility of residential electricity demand in 2050: a bottom-up approach. , 2015, , .		5
121	Distribution network protection considering grid code requirements for distributed generation. IET Generation, Transmission and Distribution, 2015, 9, 1377-1381.	2.5	23
122	Operational flexibility provided by storage in generation expansion planning with high shares of renewables. , 2015, , .		8
123	Enhanced Dynamic Voltage Control of Type 4 Wind Turbines During Unbalanced Grid Faults. IEEE Transactions on Energy Conversion, 2015, 30, 1650-1659.	5.2	58
124	Calculation of the Unified Glare Rating based on luminance maps for uniform and non-uniform light sources. Building and Environment, 2015, 84, 60-67.	6.9	30
125	Control aspects of the dynamic negative sequence current injection of type 4 wind turbines. , 2014, , .		21
126	Absolute determination of photoluminescence quantum efficiency using an integrating sphere setup. Review of Scientific Instruments, 2014, 85, 123115.	1.3	96



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127	Experimental determination of the absorption and scattering properties of YAG:Ce phosphor. , 2014, , .		5
128	Estimation of the effective phase function of bulk diffusing materials with the inverse adding-doubling method. Applied Optics, 2014, 53, 2117.	1.8	27
129	Predicting the brightness of unrelated self-luminous stimuli. Optics Express, 2014, 22, 16298.	3.4	13
130	A hybrid tool for spectral ray tracing simulations of luminescent cascade systems. Optics Express, 2014, 22, 24582.	3.4	5
131	Chromaticity of unique white in object mode. Optics Express, 2014, 22, 25830.	3.4	48
132	Power and photon budget of a remote phosphor LED module. Optics Express, 2014, 22, A1079.	3.4	21
133	Development of a laboratory platform for distributed grid management applications. , 2014, , .		4
134	Impact of reconfiguration period and photovoltaic penetration on distribution grid reconfiguration. , 2014, , .		0
135	Taking the spectral overlap between excitation and emission spectra of fluorescent materials into account with Monte Carlo simulations. , 2014, , .		3
136	Estimation of multiâ€conductor powerline cable parameters for the modelling of transfer characteristics. IET Science, Measurement and Technology, 2014, 8, 39-45.	1.6	14
137	Analysis of dynamic game played with inaccurate demand beliefs. Applied Mathematics and Computation, 2014, 230, 530-541.	2.2	3
138	An Event-Driven Dual Coordination Mechanism for Demand Side Management of PHEVs. IEEE Transactions on Smart Grid, 2014, 5, 751-760.	9.0	51
139	ConnectionScore: a statistical technique to resist application-layer DDoS attacks. Journal of Ambient Intelligence and Humanized Computing, 2014, 5, 425-442.	4.9	32
140	Short circuit calculation in networks with a high share of inverter based distributed generation. , 2014, , .		13
141	The use of the adding-doubling method for the optical optimization of planar luminescent down shifting layers for solar cells. Optics Express, 2014, 22, A765.	3.4	14
142	Strategic Offering to Maximize Day-Ahead Profit by Hedging Against an Infeasible Market Clearing Result. IEEE Transactions on Power Systems, 2014, 29, 854-862.	6.5	14
143	Assessing impact of subjective demand beliefs on a dynamic duopoly electricity market game. International Journal of Electrical Power and Energy Systems, 2014, 60, 182-189.	5.5	4
144	Developing a PLC-friendly state machine model: lessons learned. Proceedings of SPIE, 2014, , .	0.8	2

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145	Quick evaluation method for solar modules with a luminescent down-shifting layer. , 2014, , .		0
146	Using an industrial hardware target for Matlab generated real-time code to control a torsional drive system. , 2013, , .		1
147	Determination of the bulk scattering parameters of diffusing materials. Applied Optics, 2013, 52, 4083.	1.8	21
148	Dealing with an overdose of photovoltaics at distribution level. , 2013, , .		1
149	A novel offering strategy to reduce profit risk. , 2013, , .		0
150	Reliability analysis of grid concepts. , 2013, , .		0
151	Developing engineering-oriented educational workshops within a student branch. , 2013, , .		0
152	A comparison of two GIV mechanisms for providing ancillary services at the University of Delaware. , 2013, , .		23
153	Reducing overvoltage problems with active power curtailment &#x2014;Simulation results. , 2013, , .		8
154	A Scalable Three-Step Approach for Demand Side Management of Plug-in Hybrid Vehicles. IEEE Transactions on Smart Grid, 2013, 4, 720-728.	9.0	191
155	Analysis of equilibrium-oriented bidding strategies with inaccurate electricity market models. International Journal of Electrical Power and Energy Systems, 2013, 46, 306-314.	5.5	11
156	Residential Electrical Load Model Based on Mixture Model Clustering and Markov Models. IEEE Transactions on Industrial Informatics, 2013, 9, 1561-1569.	11.3	108
157	Double-layered control methodology combining price objective and grid constraints. , 2013, , .		4
158	Reconfiguring distribution grids for more integration of distributed generation. , 2013, , .		15
159	Distributed voltage control mechanism in low-voltage distribution grid field test. , 2013, , .		9
160	Simulating the spatial luminance distribution of planar light sources by sampling of ray files. Optics Express, 2013, 21, 24099.	3.4	10
161	Brightness perception of unrelated self-luminous colors. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1248.	1.5	25
162	Bayesian deconvolution method applied to experimental bidirectional transmittance distribution functions. Measurement Science and Technology, 2013, 24, 035202.	2.6	6

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163	The effect of maintenance costs on the flexible dispatch of thermal units. , 2013, , .		0
164	Scenario analysis to account for photovoltaic generation uncertainty in distribution grid reconfiguration. , 2013, , .		1
165	Flexible fault current contribution with inverter interfaced distributed generation. , 2013, , .		2
166	Development of an open-source smart energy house for K-12 education. , 2013, , .		3
167	Standalone LV distribution network voltage control mechanism. , 2013, , .		3
168	Impact of varying photovoltaic penetration on minimum loss reconfiguration. , 2013, , .		1
169	Impact of the accurateness of bidirectional reflectance distribution function data on the intensity and luminance distributions of a light-emitting diode mixing chamber as obtained by simulations. Optical Engineering, 2013, 52, 095101.	1.0	7
170	Optimization of colour quality of LED lighting with reference to memory colours. Lighting Research and Technology, 2012, 44, 7-15.	2.7	24
171	Extended adding-doubling method for fluorescent applications. Optics Express, 2012, 20, 17856.	3.4	22
172	Customer sampling in a smart grid pilot. , 2012, , .		24
173	Infrastructure for collaborating data-researchers in a Smart Grid pilot. , 2012, , .		1
174	Workshop on open resilient human-aware Cyber-physical systems. , 2012, , .		0
175	Barriers and recommendations for enabling ICT based intra-grid control applications in smart grids. , 2012, , .		1
176	Balancing trade-offs in coordinated PHEV charging with continuous market-based control. , 2012, , .		9
177	Design and first commissioning results of PLC-based control systems for the Mercator telescope. , 2012, , .		1
178	UAF: a generic OPC unified architecture framework. , 2012, , .		4
179	Analyzing loads for balancing: Potential for the Belgian case. , 2012, , .		4
180	General and financial potential of demand side management. , 2012, , .		3

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181	Tackling Application-layer DDoS Attacks. <i>Procedia Computer Science</i> , 2012, 10, 432-441.	2.0	40
182	A Four-Step Technique for Tackling DDoS Attacks. <i>Procedia Computer Science</i> , 2012, 10, 507-516.	2.0	6
183	Detailed modelling of thermal units from a price-taker's perspective. , 2012, , .		3
184	Analyzing well-known countermeasures against distributed denial of service attacks. <i>Computer Communications</i> , 2012, 35, 1312-1332.	5.1	104
185	A memory colour quality metric for white light sources. <i>Energy and Buildings</i> , 2012, 49, 216-225.	6.7	69
186	Characterization of the transfer function of powerline channels with four conductors. , 2012, , .		0
187	Smart grid reconfiguration using simple genetic algorithm and NSGA-II. , 2012, , .		19
188	Inverter modelling techniques for protection studies. , 2012, , .		9
189	Ferris wheel: A ring based onion circuit for hidden services. <i>Computer Communications</i> , 2012, 35, 829-841.	5.1	5
190	Hybrid reliability model for nuclear reactor safety system. <i>Reliability Engineering and System Safety</i> , 2012, 101, 35-47.	8.9	31
191	Optical modeling of solar cell encapsulation with the adding-doubling method. , 2012, , .		0
192	A Ring Based Onion Circuit for Hidden Services. <i>Lecture Notes in Computer Science</i> , 2012, , 13-30.	1.3	0
193	Smart meters from the angles of consumer protection and public service obligations. , 2011, , .		2
194	A Cooperative Mechanism to Defense against Distributed Denial of Service Attacks. , 2011, , .		7
195	Intelligent alarm processing and alarm elimination in a CHP installation. , 2011, , .		3
196	Smart Meter's feedback and the potential for energy savings in household sector: A survey. , 2011, , .		7
197	A dependable architecture to mitigate distributed denial of service attacks on network-based control systems. <i>International Journal of Critical Infrastructure Protection</i> , 2011, 4, 107-123.	4.6	20
198	Relevance of voltage control, grid reconfiguration and adaptive protection in smart grids and genetic algorithm as an optimization tool in achieving their control objectives. , 2011, , .		20

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199	Agent-based coordination for charging electric vehicles. , 2011, , .		0
200	Optimal colour quality of LED clusters based on memory colours. Optics Express, 2011, 19, 6903.	3.4	18
201	Correlation between color quality metric predictions and visual appreciation of light sources. Optics Express, 2011, 19, 8151.	3.4	105
202	Market mechanism of smart grids: Multi-agent model and interoperability. , 2011, , .		1
203	Transfer Characteristics Modeling of Four-Conductor Cables in Power-Line Communications. IEEE Transactions on Power Delivery, 2011, 26, 2026-2033.	4.3	5
204	DPDNS Introduction. , 2011, , .		0
205	Colour appearance rating of familiar real objects. Color Research and Application, 2011, 36, 192-200.	1.6	89
206	Circuits and systems engineering education through interdisciplinary team-based design projects. , 2011, , .		10
207	Efficiency Evaluation of Phosphor-white High-power Light-emitting Diodes. Journal of Light and Visual Environment, 2011, 35, 199-206.	0.2	2
208	Modelling the spatial colour distribution of phosphor-white high power light-emitting diodes. , 2010, , .		3
209	Feasibility study of a brute-force ray tracing approach to obtain luminance maps of luminaires modeled with ray files. , 2010, , .		3
210	Modeling high power light-emitting diode spectra and their variation with junction temperature. Journal of Applied Physics, 2010, 108, .	2.5	73
211	Dynamic Multilayer Routing to Achieve Location-Hiding. , 2010, , .		1
212	Simulation of grid connected PM generator for wind turbines. , 2010, , .		7
213	Memory colours and colour quality evaluation of conventional and solid-state lamps. Optics Express, 2010, 18, 26229.	3.4	104
214	Multi-agent model and interoperability of a market mechanism of the Smart Grids. , 2010, , .		1
215	Power Processing Circuits for Piezoelectric Vibration-Based Energy Harvesters. IEEE Transactions on Industrial Electronics, 2010, 57, 4170-4177.	7.9	68
216	Guided independent learning package for advanced topics in electrical engineering, automation and control systems. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
217	The Future of Electricity Systems: General Trends, Developments. Topics in Safety, Risk, Reliability and Quality, 2010, , 13-32.	0.2	0
218	Communication overlays and agents for dependable smart power grids. , 2010, , .		21
219	Securing Electricity Supply in the Cyber Age. Topics in Safety, Risk, Reliability and Quality, 2010, , .	0.2	6
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