Geert Deconinck

List of Publications by Year
in descending order

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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	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
2	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
3	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
4	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
5	Battery Energy Management in a Microgrid Using Batch Reinforcement Learning. Energies, 2017, 10, 1846.	3.1	117
6	High power light-emitting diode junction temperature determination from current-voltage characteristics. Journal of Applied Physics, 2008, 104, 093104.	2.5	114
7	Control of Microgrids. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	113
8	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
9	Residential Electrical Load Model Based on Mixture Model Clustering and Markov Models. IEEE Transactions on Industrial Informatics, 2013, 9, 1561-1569.	11.3	108
10	Correlation between color quality metric predictions and visual appreciation of light sources. Optics Express, 2011, 19, 8151.	3.4	105
11	Memory colours and colour quality evaluation of conventional and solid-state lamps. Optics Express, 2010, 18, 26229.	3.4	104
12	Analyzing well-known countermeasures against distributed denial of service attacks. Computer Communications, 2012, 35, 1312-1332.	5.1	104
13	Absolute determination of photoluminescence quantum efficiency using an integrating sphere setup. Review of Scientific Instruments, 2014, 85, 123115.	1.3	96
14	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
15	Colour appearance rating of familiar real objects. Color Research and Application, 2011, 36, 192-200.	1.6	89
16	Distributed Control of Renewable Generation Units With Integrated Active Filter. IEEE Transactions on Power Electronics, 2004, 19, 1353-1360.	7.9	83
17	Decentralized EV-Based Charging Optimization With Building Integrated Wind Energy. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1002-1017.	5.2	75
18	Modeling high power light-emitting diode spectra and their variation with junction temperature. Journal of Applied Physics, 2010, 108, .	2.5	73

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19	Reconfigurable instruction set processors from a hardware/software perspective. IEEE Transactions on Software Engineering, 2002, 28, 847-862.	5.6	69
20	A memory colour quality metric for white light sources. Energy and Buildings, 2012, 49, 216-225.	6.7	69
21	Power Processing Circuits for Piezoelectric Vibration-Based Energy Harvesters. IEEE Transactions on Industrial Electronics, 2010, 57, 4170-4177.	7.9	68
22	The Impact of Operating Reserves on Investment Planning of Renewable Power Systems. IEEE Transactions on Power Systems, 2017, 32, 378-388.	6.5	62
23	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
24	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
25	Combined Stochastic Optimization of Frequency Control and Self-Consumption With a Battery. IEEE Transactions on Smart Grid, 2019, 10, 1971-1981.	9.0	55
26	Model-predictive control and reinforcement learning in multi-energy system case studies. Applied Energy, 2021, 303, 117634.	10.1	55
27	Peer-to-peer-based integrated grid voltage support function for smart photovoltaic inverters. Applied Energy, 2019, 239, 1037-1048.	10.1	54
28	An Event-Driven Dual Coordination Mechanism for Demand Side Management of PHEVs. IEEE Transactions on Smart Grid, 2014, 5, 751-760.	9.0	51
29	Chromaticity of unique white in object mode. Optics Express, 2014, 22, 25830.	3.4	48
30	Transfer learning in demand response: A review of algorithms for data-efficient modelling and control. Energy and AI, 2022, 7, 100126.	10.6	45
31	Who gets my flex? An evolutionary game theory analysis of flexibility market dynamics. Applied Energy, 2018, 218, 104-113.	10.1	42
32	Tackling Application-layer DDoS Attacks. Procedia Computer Science, 2012, 10, 432-441.	2.0	40
33	A taxonomy for resource discovery. Personal and Ubiquitous Computing, 2005, 9, 81-89.	2.8	39
34	Clustered Loop Buffer Organization for Low Energy VLIW Embedded Processors. IEEE Transactions on Computers, 2005, 54, 672-683.	3.4	39
35	An evaluation of two-way communication means for advanced metering in Flanders (Belgium). , 2008, , .		39
36	P2P model for distributed energy trading, grid control and ICT for local smart grids. , 2017, , .		39

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37	Optimal Combination of Frequency Control and Peak Shaving With Battery Storage Systems. IEEE Transactions on Smart Grid, 2020, 11, 3270-3279.	9.0	38
38	How detailed value of lost load data impact power system reliability decisions. Energy Policy, 2019, 132, 1064-1075.	8.8	35
39	BIM-based PV system optimization and deployment. Energy and Buildings, 2017, 150, 13-22.	6.7	34
40	Low Power Coarse-Grained Reconfigurable Instruction Set Processor. Lecture Notes in Computer Science, 2003, , 230-239.	1.3	33
41	Fault-tolerant scheduling for real-time embedded control systems. Journal of Computer Science and Technology, 2004, 19, 191-202.	1.5	33
42	ConnectionScore: a statistical technique to resist application-layer DDoS attacks. Journal of Ambient Intelligence and Humanized Computing, 2014, 5, 425-442.	4.9	32
43	Hybrid reliability model for nuclear reactor safety system. Reliability Engineering and System Safety, 2012, 101, 35-47.	8.9	31
44	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
45	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
46	Hybrid intelligent control of gas collectors of coke ovens. Control Engineering Practice, 2001, 9, 725-733.	5.5	29
47	A new integrating sphere design for spectral radiant flux determination of light-emitting diodes. Measurement Science and Technology, 2009, 20, 095111.	2.6	29
48	Chromaticity of unique white in illumination mode. Optics Express, 2015, 23, 12488.	3.4	28
49	Estimation of the effective phase function of bulk diffusing materials with the inverse adding-doubling method. Applied Optics, 2014, 53, 2117.	1.8	27
50	Distributed optimization for scheduling energy flows in community microgrids. Electric Power Systems Research, 2020, 187, 106479.	3.6	26
51	Community-Based Microgrids: Literature Review and Pathways to Decarbonise the Local Electricity Network. Energies, 2022, 15, 918.	3.1	26
52	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
53	Cluster Control of Heterogeneous Thermostatically Controlled Loads Using Tracer Devices. IEEE Transactions on Smart Grid, 2015, , 1-9.	9.0	25
54	Framework for Evaluating and Comparing Performance of Power System Reliability Criteria. IEEE Transactions on Power Systems, 2016, 31, 5153-5162.	6.5	25

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55	Power density targets for efficient lighting of interior task areas. Lighting Research and Technology, 2007, 39, 171-184.	2.7	24
56	Optimization of colour quality of LED lighting with reference to memory colours. Lighting Research and Technology, 2012, 44, 7-15.	2.7	24
57	Customer sampling in a smart grid pilot. , 2012, , .		24
58	Applying machine learning techniques for forecasting flexibility of virtual power plants. , 2016, , .		24
59	Development of a measurement system for power quantities in electrical energy distribution systems. , 0, , .		23
60	A comparison of two GIV mechanisms for providing ancillary services at the University of Delaware. , 2013, , .		23
61	Distribution network protection considering grid code requirements for distributed generation. IET Generation, Transmission and Distribution, 2015, 9, 1377-1381.	2.5	23
62	Power Breakdown Analysis for a Heterogeneous NoC Platform Running a Video Application. , 0, , .		22
63	ICT resilience of power control systems: experimental results from the CRUTIAL testbeds. , 2009, , .		22
64	Extended adding-doubling method for fluorescent applications. Optics Express, 2012, 20, 17856.	3.4	22
65	A multi-dimensional analysis of reliability criteria: From deterministic Nâˆ’1 to a probabilistic approach. Electric Power Systems Research, 2019, 167, 290-300.	3.6	22
66	Communication overlays and agents for dependable smart power grids. , 2010, , .		21
67	Determination of the bulk scattering parameters of diffusing materials. Applied Optics, 2013, 52, 4083.	1.8	21
68	Control aspects of the dynamic negative sequence current injection of type 4 wind turbines. , 2014, , .		21
69	Power and photon budget of a remote phosphor LED module. Optics Express, 2014, 22, A1079.	3.4	21
70	Dual-decomposition-based peer-to-peer voltage control for distribution networks. CIRED - Open Access Proceedings Journal, 2017, 2017, 1718-1721.	0.1	21
71	e-BIM: a BIM-centric design and analysis software for Building Integrated Photovoltaics. Automation in Construction, 2018, 87, 127-137.	9.8	21
72	Software tool combining fault masking with user-defined recovery strategies. IET Software, 1998, 145, 203.	1.0	20

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73	An optimal power-dispatching system using neural networks for the electrochemical process of zinc depending on varying prices of electricity. IEEE Transactions on Neural Networks, 2002, 13, 229-236.	4.2	20
74	A dependable architecture to mitigate distributed denial of service attacks on network-based control systems. International Journal of Critical Infrastructure Protection, 2011, 4, 107-123.	4.6	20
75	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
76	Smart metering tariff schemes combined with distributed energy resources. , 2009, , .		19
77	Smart grid reconfiguration using simple genetic algorithm and NSGA-II. , 2012, , .		19
78	Reinforcement learning for control of flexibility providers in a residential microgrid. IET Smart Grid, 2020, 3, 98-107.	2.2	19
79	An optimal power-dispatching control system for the electrochemical process of zinc based on backpropagation and hopfield neural networks. IEEE Transactions on Industrial Electronics, 2003, 50, 953-961.	7.9	18
80	Optimal colour quality of LED clusters based on memory colours. Optics Express, 2011, 19, 6903.	3.4	18
81	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
82	Using reinforcement learning for optimizing heat pump control in a building model in Modelica. , 2018, , .		18
83	Fairness and inequality in power system reliability: Summarizing indices. Electric Power Systems Research, 2019, 168, 313-323.	3.6	18
84	Stable memory in substation automation: a case study. , 0, , .		17
85	Novel methodology for optimal reconfiguration of distribution networks with distributed energy resources. Electric Power Systems Research, 2015, 127, 165-176.	3.6	17
86	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
87	Simultaneous Provision of Voltage and Frequency Control by PV-Battery Systems. IEEE Access, 2020, 8, 152820-152836.	4.2	17
88	Domain Randomization for Demand Response of an Electric Water Heater. IEEE Transactions on Smart Grid, 2021, 12, 1370-1379.	9.0	17
89	A hybrid policy gradient and rule-based control framework for electric vehicle charging. Energy and AI, 2021, 4, 100059.	10.6	17
90	Simulation of web service enabled smart meters in an event-based infrastructure. , 2009, , .		16

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91	A literature survey of Optimal Power Flow problems in the electricity market context. , 2009, , .		16
92	Comparing neural architectures for demand response through model-free reinforcement learning for heat pump control. , 2018, , .		16
93	IFC-Based Partial Data Model Retrieval for Distributed Collaborative Design. Journal of Computing in Civil Engineering, 2019, 33, .	4.7	16
94	Fault-Tolerant Earliest-Deadline-First Scheduling Algorithm. , 2007, , .		15
95	Agents controlling the electric power infrastructure. International Journal of Critical Infrastructures, 2008, 4, 96.	0.2	15
96	Reconfiguring distribution grids for more integration of distributed generation. , 2013, , .		15
97	Battery Scheduling in a Residential Multi-Carrier Energy System Using Reinforcement Learning. , 2018, , .		15
98	A Robust Semantic Overlay Network for Microgrid Control Applications. Lecture Notes in Computer Science, 2008, , 101-123.	1.3	15
99	FOSeL: Filtering by Helping an Overlay Security Layer to Mitigate DoS Attacks. , 2008, , .		14
100	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
101	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
102	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
103	Software-implemented fault-tolerance and separate recovery strategies enhance maintainability [substation automation]. IEEE Transactions on Reliability, 2002, 51, 158-165.	4.6	13
104	Predicting the brightness of unrelated self-luminous stimuli. Optics Express, 2014, 22, 16298.	3.4	13
105	Short circuit calculation in networks with a high share of inverter based distributed generation. , 2014, , .		13
106	Combining Market-Based Control with Distribution Grid Constraints when Coordinating Electric Vehicle Charging. Engineering, 2015, 1, 453-465.	6.7	13
107	A Comprehensive Multi-Period Optimal Power Flow Framework for Smart LV Networks. IEEE Transactions on Power Systems, 2021, 36, 3029-3041.	6.5	13
108	Fault-Tolerant Partitioning Scheduling Algorithms in Real-Time Multiprocessor Systems. , 2006, , .		12

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109	Agent-based modelling as a tool for testing electric power market designs. , 2010, , .		12
110	A hypermedia distributed application for monitoring and fault-injection in embedded fault-tolerant parallel programs. , 0, , .		11
111	An algorithm for tolerating crash failures in distributed systems. , 0, , .		11
112	Data reuse exploration techniques for loop-dominated applications. , 0, , .		11
113	Task concurrency analysis and exploration of visual texture decoder on a heterogeneous platform. , 0, , .		11
114	Methodology for Refinement and Optimisation of Dynamic Memory Management for Embedded Systems in Multimedia Applications. Journal of Signal Processing Systems, 2005, 40, 383-396.	1.0	11
115	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
116	Experimental Validation of Peer-to-Peer Distributed Voltage Control System. Energies, 2018, 11, 1304.	3.1	11
117	Current-Voltage Formulation of the Unbalanced Optimal Power Flow Problem. , 2020, , .		11
118	The EFTOS approach to dependability in embedded supercomputing. IEEE Transactions on Reliability, 2002, 51, 76-90.	4.6	10
119	Circuits and systems engineering education through interdisciplinary team-based design projects. , 2011, , .		10
120	Simulating the spatial luminance distribution of planar light sources by sampling of ray files. Optics Express, 2013, 21, 24099.	3.4	10
121	A distributed gossip-based voltage control algorithm for peer-to-peer microgrids. , 2016, , .		10
122	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
123	A Mean-Field Voltage Control Approach for Active Distribution Networks With Uncertainties. IEEE Transactions on Smart Grid, 2021, 12, 1455-1466.	9.0	10
124	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
125	A Low Energy Clustered Instruction Memory Hierarchy for Long Instruction Word Processors. Lecture Notes in Computer Science, 2002, , 258-267.	1.3	10
126	TIRAN: Flexible and Portable Fault Tolerance Solutions for Cost Effective Dependable Applications. Lecture Notes in Computer Science, 1999, , 1166-1170.	1.3	10

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127	Testbeds for Assessing Critical Scenarios in Power Control Systems. Lecture Notes in Computer Science, 2009, , 223-234.	1.3	10
128	Agora: a semantic overlay network. International Journal of Critical Infrastructures, 2009, 5, 175.	0.2	9
129	Future electricity market interoperability of a multi-agent model of the Smart Grid. , 2010, , .		9
130	Balancing trade-offs in coordinated PHEV charging with continuous market-based control. , 2012, , .		9
131	Inverter modelling techniques for protection studies. , 2012, , .		9
132	Distributed voltage control mechanism in low-voltage distribution grid field test. , 2013, , .		9
133	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
134	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
135	Dataâ€driven forecasting of local <scp>PV</scp> generation for stochastic <scp>PV</scp> â€battery system management. International Journal of Energy Research, 2021, 45, 15962-15979.	4.5	9
136	Grid-Friendly Smart Sustainable Buildings: Flexibility-to-Cost Mapping. IEEE Transactions on Sustainable Energy, 2022, 13, 1857-1860.	8.8	9
137	EFTOS: A software framework for more dependable embedded HPC applications. Lecture Notes in Computer Science, 1997, , 1363-1368.	1.3	8
138	Automated dynamic memory data type implementation exploration and optimization. , 0, , .		8
139	Reducing overvoltage problems with active power curtailment —Simulation results. , 2013, , .		8
140	Operational flexibility provided by storage in generation expansion planning with high shares of renewables. , 2015, , .		8
141	Performance Assessment of Black Box Capacity Forecasting for Multi-Market Trade Application. Energies, 2017, 10, 1673.	3.1	8
142	Benefits of a multi-energy day-ahead market. Energy, 2018, 165, 651-661.	8.8	8
143	Applications of optimization models for electricity distribution networks. Wiley Interdisciplinary Reviews: Energy and Environment, 2021, 10, e401.	4.1	8
144	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

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145	Voltage-Dependent Load Models in Unbalanced Optimal Power Flow Using Power Cones. IEEE Transactions on Smart Grid, 2021, 12, 2890-2902.	9.0	8
146	In Pursuit of New Real-Time Ancillary Services Providers: Hidden Opportunities in Low Voltage Networks and Sustainable Buildings. IEEE Transactions on Smart Grid, 2022, 13, 429-442.	9.0	8
147	A Taxonomy for Resource Discovery. Lecture Notes in Computer Science, 2004, , 78-91.	1.3	8
148	Fault-tolerant communication in embedded supercomputing. IEEE Micro, 1998, 18, 42-52.	1.8	7
149	A software library, a control backbone and user-specified recovery strategies to enhance the dependability of embedded systems. , 1999, , .		7
150	Search space definition and exploration for nonuniform data reuse opportunities in data-dominant applications. ACM Transactions on Design Automation of Electronic Systems, 2003, 8, 125-139.	2.6	7
151	Instruction buffering exploration for low energy VLIWs with instruction clusters. , 0, , .		7
152	Communication system for intelligent residential electrical installations. , 0, , .		7
153	Design Style Case Study for Embedded Multi Media Compute Nodes. , 0, , .		7
154	A Survey of ICT Vulnerabilities of Power Systems and Relevant Defense Methodologies. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	7
155	An overlay protection layer against Denial-of-Service attacks. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	7
156	Power electronic grid connection of PM synchronous generator for wind turbines. , 2008, , .		7
157	Multi-agent coordination in market environment for future electricity infrastructure based on microgrids. , 2009, , .		7
158	Simulation of grid connected PM generator for wind turbines. , 2010, , .		7
159	A Cooperative Mechanism to Defense against Distributed Denial of Service Attacks. , 2011, , .		7
160	Smart Meter's feedback and the potential for energy savings in household sector: A survey. , 2011, , .		7
161	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
162	Beyond theory: Experimental results of a self-learning air conditioning unit. , 2016, , .		7

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163	Self-learning agent for battery energy management in a residential microgrid. , 2018, , .		7
164	Grid-Constrained Distributed Optimization for Frequency Control With Low-Voltage Flexibility. IEEE Transactions on Smart Grid, 2020, 11, 612-622.	9.0	7
165	Power Estimation Approach of Dynamic Data Storage on a Hardware Software Boundary Level. Lecture Notes in Computer Science, 2003, , 289-298.	1.3	7
166	Critical Interrelations Between ICT and Electricity System. Topics in Safety, Risk, Reliability and Quality, 2010, , 53-70.	0.2	7
167	Decomposition of n â€winding transformers for unbalanced optimal power flow. IET Generation, Transmission and Distribution, 2020, 14, 5961-5969.	2.5	7
168	The TIRAN approach to reusing software implemented fault tolerance. , 0, , .		6
169	On some key requirements of mobile application software. , 0, , .		6
170	Control Flow Analysis for Recursion Removal. Lecture Notes in Computer Science, 2003, , 101-116.	1.3	6
171	Using resource monitoring to select recovery strategies. , 0, , .		6
172	Active User Participation in Energy Markets Through Activation of Distributed Energy Resources. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	6
173	Agent coordination for supply and demand match in microgrids with auction mechanism. , 2008, , .		6
174	Securing Electricity Supply in the Cyber Age. Topics in Safety, Risk, Reliability and Quality, 2010, , .	0.2	6
175	A Four-StepTechnique forTackling DDoS Attacks. Procedia Computer Science, 2012, 10, 507-516.	2.0	6
176	Bayesian deconvolution method applied to experimental bidirectional transmittance distribution functions. Measurement Science and Technology, 2013, 24, 035202.	2.6	6
177	Impact of value of lost load on performance of reliability criteria and reliability management. , 2015, , .		6
178	Ensemble Machine Learning Forecaster for Day Ahead PV System Generation. , 2019, , .		6
179	Distributed Optimization in Low Voltage Distribution Networks via Broadcast Signals â€. Energies, 2020, 13, 43.	3.1	6
180	User-triggered checkpointing: system-independent and scalable application recovery. , 0, , .		5

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181	A flexible state-saving library for message-passing systems. , 0, , .		5
182	The EFTOS voting farm: a software tool for fault masking in message passing parallel environments. , 0, , .		5
183	Survey Of Backward Error Recovery Techniques For Multicomputers Based On Checkpointing And Rollback. International Journal of Modelling and Simulation, 1998, 18, 66-71.	3.3	5
184	MATADOR: AN EXPLORATION ENVIRONMENT FOR SYSTEM-DESIGN. Journal of Circuits, Systems and Computers, 2002, 11, 503-535.	1.5	5
185	A fault-tolerant reservation-based strategy for scheduling aperiodic tasks in multiprocessor systems. , 0, , .		5
186	Software pipelining for coarse-grained reconfigurable instruction set processors. , 0, , .		5
187	Integrating recovery strategies into a primary substation automation system. , 0, , .		5
188	A Small World Overlay Network for Resource Discovery. Lecture Notes in Computer Science, 2004, , 1068-1075.	1.3	5
189	Developing a Distributed Hands-On Course for Teaching Advanced Electrical Engineering Topics. International Journal of Electrical Engineering and Education, 2007, 44, 1-11.	0.8	5
190	Thermal characterization of single-die and multi-die high power light-emitting diodes. Proceedings of SPIE, 2008, , .	0.8	5
191	Transfer Characteristics Modeling of Four-Conductor Cables in Power-Line Communications. IEEE Transactions on Power Delivery, 2011, 26, 2026-2033.	4.3	5
192	Ferris wheel: A ring based onion circuit for hidden services. Computer Communications, 2012, 35, 829-841.	5.1	5
193	Experimental determination of the absorption and scattering properties of YAG:Ce phosphor. , 2014, , .		5
194	A hybrid tool for spectral ray tracing simulations of luminescent cascade systems. Optics Express, 2014, 22, 24582.	3.4	5
195	Quantifying the flexibility of residential electricity demand in 2050: a bottom-up approach. , 2015, , .		5
196	Peer-to-Peer Energy Trading and Grid Control Communications Solutions' Feasibility Assessment Based on Key Performance Indicators. , 2018, , .		5
197	Benchmarking regression methods for function approximation in reinforcement learning: heat pump control. , 2019, , .		5
198	Practical approximations and heuristic approaches for managing shiftable loads in the multi-period optimal power flow framework. Electric Power Systems Research, 2021, 190, 106864.	3.6	5

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199	Dynamic mode decomposition for nonintrusive and robust model predictive control of residential heating systems. Energy and Buildings, 2022, 254, 111450.	6.7	5
200	New Roles in Peer-to-Peer Electricity Markets: Value Network Analysis. , 2020, , .		5
201	Reconfiguration and checkpointing in massively parallel systems. Lecture Notes in Computer Science, 1994, , 351-370.	1.3	5
202	Separating recovery strategies from application functionality: experiences with a framework approach. , 0, , .		4
203	Reconfigurable instruction set processors: an implementation platform for interactive multimedia applications. , 2001, , .		4
204	The need for a distributed algorithm for control of the electrical power infrastructure. , 0, , .		4
205	Background data organisation for the low-power implementation in real-time of a digital audio broadcast receiver on a SIMD processor. , 0, , .		4
206	Methodology for refinement and optimization of dynamic memory management for embedded systems in multimedia applications. , 0, , .		4
207	A middleware control layer for distributed generation systems. , 0, , .		4
208	Comparing Chord, CAN, and Pastry overlay networks for resistance to DoS attacks. , 2008, , .		4
209	Dependable Overlay Networks. , 2008, , .		4
210	Parallel Simulation of Multi-agent Systems Using Terracotta. , 2010, , .		4
211	An approach towards socially acceptable energy saving policies via monetary instruments on the smart meter infrastructure. , 2010, , .		4
212	UAF: a generic OPC unified architecture framework. , 2012, , .		4
213	Analyzing loads for balancing: Potential for the Belgian case. , 2012, , .		4
214	Double-layered control methodology combining price objective and grid constraints. , 2013, , .		4
215	Development of a laboratory platform for distributed grid management applications. , 2014, , .		4
216	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

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217	Fair Reliability Management: Comparing Deterministic and Probabilistic Short-Term Reliability Management. , 2018, , .		4
218	Intelligent Electric Water Heater Control with Varying State Information. , 2018, , .		4
219	Interval Optimization to Schedule a Multi-Energy System with Data-Driven PV Uncertainty Representation. Energies, 2021, 14, 2739.	3.1	4
220	ICT and Powers Systems: An Integrated Approach. Topics in Safety, Risk, Reliability and Quality, 2010, , 71-109.	0.2	4
221	Governance: How to Deal with ICT Security in the Power Infrastructure?. Topics in Safety, Risk, Reliability and Quality, 2010, , 111-127.	0.2	4
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