

Lieven Vandeveld

List of Publications by Year in descending order

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234
papers

4,499
citations

186265
28
h-index

138484
58
g-index

237
all docs

237
docs citations

237
times ranked

3686
citing authors

#	ARTICLE	IF	CITATIONS
1	Droop Control as an Alternative Inertial Response Strategy for the Synthetic Inertia on Wind Turbines. IEEE Transactions on Power Systems, 2016, 31, 1129-1138.	6.5	309
2	A Control Strategy for Islanded Microgrids With DC-Link Voltage Control. IEEE Transactions on Power Delivery, 2011, 26, 703-713.	4.3	296
3	Microgrids: Hierarchical Control and an Overview of the Control and Reserve Management Strategies. IEEE Industrial Electronics Magazine, 2013, 7, 42-55.	2.6	220
4	Review of primary control strategies for islanded microgrids with power-electronic interfaces. Renewable and Sustainable Energy Reviews, 2013, 19, 613-628.	16.4	202
5	Active Load Control in Islanded Microgrids Based on the Grid Voltage. IEEE Transactions on Smart Grid, 2011, 2, 139-151.	9.0	175
6	Transition From Islanded to Grid-Connected Mode of Microgrids With Voltage-Based Droop Control. IEEE Transactions on Power Systems, 2013, 28, 2545-2553.	6.5	175
7	Analogy Between Conventional Grid Control and Islanded Microgrid Control Based on a Global DC-Link Voltage Droop. IEEE Transactions on Power Delivery, 2012, 27, 1405-1414.	4.3	136
8	Automatic Power-Sharing Modification of P / V Droop Controllers in Low-Voltage Resistive Microgrids. IEEE Transactions on Power Delivery, 2012, 27, 2318-2325.	4.3	125
9	Calculation of eddy currents and associated losses in electrical steel laminations. IEEE Transactions on Magnetics, 1999, 35, 1191-1194.	2.1	98
10	Voltage Coordination in Multi-Area Power Systems via Distributed Model Predictive Control. IEEE Transactions on Power Systems, 2013, 28, 513-521.	6.5	90
11	Distributed Generation for Mitigating Voltage Dips in Low-Voltage Distribution Grids. IEEE Transactions on Power Delivery, 2008, 23, 1581-1588.	4.3	77
12	Controllable Harmonic Current Sharing in Islanded Microgrids: DG Units With Programmable Resistive Behavior Toward Harmonics. IEEE Transactions on Power Delivery, 2012, 27, 831-841.	4.3	71
13	Voltage-Based Control of a Smart Transformer in a Microgrid. IEEE Transactions on Industrial Electronics, 2013, 60, 1291-1305.	7.9	69
14	Multi-slice FE modeling of electrical machines with skewed slots-the skew discretization error. IEEE Transactions on Magnetics, 2001, 37, 3233-3237.	2.1	67
15	Integrated simulation of power and communication networks for smart grid applications. , 2011, , .		64
16	Energy management on industrial parks in Flanders. Renewable and Sustainable Energy Reviews, 2011, 15, 1988-2005.	16.4	58
17	Three-phase inverter-connected DG-units and voltage unbalance. Electric Power Systems Research, 2011, 81, 899-906.	3.6	56
18	Day-ahead unit commitment model for microgrids. IET Generation, Transmission and Distribution, 2017, 11, 1-9.	2.5	51

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19	Comparison of Magnetostriction Models for Use in Calculations of Vibrations in Magnetic Cores. IEEE Transactions on Magnetics, 2008, 44, 874-877.	2.1	50
20	Battery Storage for Ancillary Services in Smart Distribution Grids. Journal of Energy Storage, 2020, 30, 101524.	8.1	48
21	Directly-Coupled Synchronous Generators With Converter Behavior in Islanded Microgrids. IEEE Transactions on Power Systems, 2012, 27, 1395-1406.	6.5	43
22	Neutral-point shifting and voltage unbalance due to single-phase DG units in low voltage distribution networks. , 2009, , .		40
23	Voltage-Based Droop Control of Renewables to Avoid On-Off Oscillations Caused by Overvoltages. IEEE Transactions on Power Delivery, 2013, 28, 845-854.	4.3	39
24	Overvoltage and voltage unbalance mitigation in areas with high penetration of renewable energy resources by using the modified three-phase damping control strategy. Electric Power Systems Research, 2019, 168, 283-294.	3.6	39
25	Damping-Based Droop Control Strategy Allowing an Increased Penetration of Renewable Energy Resources in Low-Voltage Grids. IEEE Transactions on Power Delivery, 2016, 31, 1447-1455.	4.3	38
26	Magnetic forces and magnetostriction in electrical machines and transformer cores. IEEE Transactions on Magnetics, 2003, 39, 1618-1621.	2.1	37
27	Smart microgrids and virtual power plants in a hierarchical control structure. , 2011, , .		37
28	Evaluation of the Efficiency of Line-Start Permanent-Magnet Machines as a Function of the Operating Temperature. IEEE Transactions on Industrial Electronics, 2014, 61, 4443-4454.	7.9	37
29	Grid balancing with a large-scale electrolyser providing primary reserve. IET Renewable Power Generation, 2020, 14, 3070-3078.	3.1	35
30	Towards low carbon business park energy systems: Classification of techno-economic energy models. Energy, 2014, 75, 68-80.	8.8	32
31	Load frequency control for multi-area power systems: A new type-2 fuzzy approach based on Levenberg-Marquardt algorithm. ISA Transactions, 2022, 121, 40-52.	5.7	31
32	Neural-Network-Based Model for Dynamic Hysteresis in the Magnetostriction of Electrical Steel Under Sinusoidal Induction. IEEE Transactions on Magnetics, 2007, 43, 3462-3466.	2.1	30
33	A survey of magnetic force distributions based on different magnetization models and on the virtual work principle. IEEE Transactions on Magnetics, 2001, 37, 3405-3409.	2.1	29
34	Optimized Type-2 Fuzzy Frequency Control for Multi-Area Power Systems. IEEE Access, 2022, 10, 6989-7002.	4.2	29
35	Magnetostriction Measurement by Using Dual Heterodyne Laser Interferometers. IEEE Transactions on Magnetics, 2010, 46, 505-508.	2.1	28
36	On the optimal planning of a hydrogen refuelling station participating in the electricity and balancing markets. International Journal of Hydrogen Energy, 2021, 46, 1488-1500.	7.1	28

#	ARTICLE	IF	CITATIONS
37	Wind and Solar Intermittency and the Associated Integration Challenges: A Comprehensive Review Including the Status in the Belgian Power System. <i>Energies</i> , 2021, 14, 2630.	3.1	28
38	Theoretical Analysis and Experimental Validation of Single-Phase Direct Versus Cascade Voltage Control in Islanded Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2013, 60, 789-798.	7.9	27
39	The Efficiency of Hybrid Stepping Motors: Analyzing the Impact of Control Algorithms. <i>IEEE Industry Applications Magazine</i> , 2014, 20, 50-60.	0.4	27
40	Shaft speed ripples in wind turbines caused by tower shadow and wind shear. <i>IET Renewable Power Generation</i> , 2014, 8, 195-202.	3.1	27
41	A Boost PFC Converter With Programmable Harmonic Resistance. <i>IEEE Transactions on Industry Applications</i> , 2007, 43, 742-750.	4.9	24
42	Numerical analysis of the contribution of magnetic forces and magnetostriction to the vibrations in induction machines. <i>IET Science, Measurement and Technology</i> , 2007, 1, 21-24.	1.6	23
43	Voltage dip mitigation capabilities of three-phase damping control strategy. <i>Electric Power Systems Research</i> , 2015, 121, 192-199.	3.6	23
44	Performance Analysis of a New Type PM-Resolver in Healthy and Eccentric Cases by an Improved Parametric MEC Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10.	4.7	23
45	Magnetostriction and the Influence of Higher Harmonics in the Magnetic Field. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3981-3984.	2.1	22
46	A Novel Technique for Load Frequency Control of Multi-Area Power Systems. <i>Energies</i> , 2020, 13, 2125.	3.1	22
47	Improving the voltage dip immunity of converter-connected distributed generation units. <i>Renewable Energy</i> , 2008, 33, 1011-1018.	8.9	21
48	Assessment and mitigation of voltage violations by solar panels in a residential distribution grid. , 2011, , .		20
49	Communication-based secondary control in microgrids with voltage-based droop control. , 2012, , .		20
50	Maximum Efficiency Current Waveforms for a PMSM Including Iron Losses and Armature Reaction. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 3336-3344.	4.9	20
51	Digital Twins for Wind Energy Conversion Systems: A Literature Review of Potential Modelling Techniques Focused on Model Fidelity and Computational Load. <i>Processes</i> , 2021, 9, 2224.	2.8	20
52	Battery Storage Integration in Voltage Unbalance and Overvoltage Mitigation Control Strategies and Its Impact on the Power Quality. <i>Energies</i> , 2019, 12, 1501.	3.1	19
53	Computation of the Preisach distribution function based on a measured Everett map. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 3141-3143.	2.1	18
54	A general method for the frequency domain FE modeling of rotating electromagnetic devices. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 1147-1150.	2.1	18

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55	Converter-connected distributed generation units with integrated harmonic voltage damping and harmonic current compensation function. <i>Electric Power Systems Research</i> , 2009, 79, 65-70.	3.6	18
56	Derating factors for direct online induction machines when supplied with voltage harmonics: A critical view. , 2011, , .		18
57	Anisotropic and Strain-Dependent Model of Magnetostriction in Electrical Steel Sheets. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	18
58	A simulation tool for extended distribution grids with controlled distributed generation. , 2015, , .		18
59	An automated GIS-based planning and design tool for district heating: Scenarios for a Dutch city. <i>Energy</i> , 2019, 183, 487-496.	8.8	18
60	Impact of Solar Panel Orientation on the Integration of Solar Energy in Low-Voltage Distribution Grids. <i>International Journal of Photoenergy</i> , 2020, 2020, 1-13.	2.5	18
61	Performance Analysis of Variable Reluctance Linear Resolver by Parametric Magnetic Equivalent Circuit in Healthy and Faulty Cases. <i>IEEE Sensors Journal</i> , 2021, 21, 19912-19921.	4.7	18
62	Calculation of no-load induction motor core losses using the rate-dependent Preisach model. <i>IEEE Transactions on Magnetics</i> , 1998, 34, 3876-3881.	2.1	17
63	Input impedance of grid-connected converters with programmable harmonic resistance. <i>IET Electric Power Applications</i> , 2007, 1, 355.	1.8	17
64	Online estimation of the power coefficient versus tip-speed ratio curve of wind turbines. , 2013, , .		17
65	Load angle estimation for two-phase hybrid stepping motors. <i>IET Electric Power Applications</i> , 2014, 8, 257-266.	1.8	17
66	Influence of Supply Voltage Distortion on the Energy Efficiency of Line-Start Permanent-Magnet Motors. <i>IEEE Transactions on Industry Applications</i> , 2014, 50, 1034-1043.	4.9	17
67	Displacement of the maximum power point caused by losses in wind turbine systems. <i>Renewable Energy</i> , 2016, 85, 273-280.	8.9	17
68	Calculation of no load losses in an induction motor using an inverse vector Preisach model and an eddy current loss model. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 856-860.	2.1	16
69	Finite-Element Computation of the Deformation of Ferromagnetic Material Taking Into Account Magnetic Forces and Magnetostriction. <i>IEEE Transactions on Magnetics</i> , 2004, 40, 565-568.	2.1	16
70	A nonlinear model for synchronous machines to describe high-frequency signal based position estimators. , 2005, , .		16
71	Magnetic forces and magnetostriction in ferromagnetic material. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2001, 20, 32-51.	0.9	15
72	Modeling of magnetoelastic material. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 993-996.	2.1	15

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73	Application of magnetostriction measurements for the computation of deformation in electrical steel. <i>Journal of Applied Physics</i> , 2005, 97, 10E101.	2.5	15
74	Damping potential of single-phase bidirectional rectifiers with resistive harmonic behaviour. <i>IET Electric Power Applications</i> , 2006, 153, 68.	1.4	15
75	The relation between the magnetostriction and the hysteresis losses in the non-oriented electrical steels. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 1454-1456.	2.3	14
76	Wind Resource Mapping Using Landscape Roughness and Spatial Interpolation Methods. <i>Energies</i> , 2015, 8, 8682-8703.	3.1	14
77	Model Predictive Control With a Cascaded Hammerstein Neural Network of a Wind Turbine Providing Frequency Containment Reserve. <i>IEEE Transactions on Energy Conversion</i> , 2022, 37, 198-209.	5.2	14
78	Development of a smart transformer to control the power exchange of a microgrid. , 2013, , .		13
79	Magnetostrictive deformation of a transformer: A comparison between calculation and measurement. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014, 44, 295-299.	0.6	13
80	Grid voltage control with distributed generation using online grid impedance estimation. <i>Sustainable Energy, Grids and Networks</i> , 2016, 5, 70-77.	3.9	13
81	An Adaptive Predictive control scheme with dynamic Hysteresis Modulation applied to a DC-DC buck converter. <i>ISA Transactions</i> , 2020, 105, 240-255.	5.7	13
82	Computation of deformation of ferromagnetic material. <i>IET Science, Measurement and Technology</i> , 2002, 149, 222-226.	0.7	12
83	Harvesting wind gust energy with small and medium wind turbines using a bidirectional control strategy. <i>Journal of Engineering</i> , 2019, 2019, 4261-4266.	1.1	12
84	A Low-Voltage DC Backbone with Aggregated RES and BESS: Benefits Compared to a Traditional Low-Voltage AC System. <i>Energies</i> , 2021, 14, 1420.	3.1	12
85	A voltage-source inverter for microgrid applications with an inner current control loop and an outer voltage control loop. <i>Renewable Energy and Power Quality Journal</i> , 2009, 1, 501-506.	0.2	12
86	Maximum power injection acceptance in a residential area. <i>Renewable Energy and Power Quality Journal</i> , 2010, 1, 637-642.	0.2	12
87	Magnetostriction and magnetic forces in electrical steel: finite element computations and measurements. <i>IET Science, Measurement and Technology</i> , 2004, 151, 456-459.	0.7	11
88	Complementary two-dimensional finite element formulations with inclusion of a vectorized Jiles-Atherton model. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2004, 23, 959-967.	0.9	11
89	The influence of grid-connected three-phase inverters on voltage unbalance. , 2010, , .		11
90	The use of binary particle swarm optimization to obtain a demand side management system. , 2011, , .		11

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91	Anticipating and Coordinating Voltage Control for Interconnected Power Systems. <i>Energies</i> , 2014, 7, 1027-1047.	3.1	11
92	Phase unbalance mitigation by three-phase damping voltage-based droop controllers in microgrids. <i>Electric Power Systems Research</i> , 2015, 127, 230-239.	3.6	11
93	Towards low carbon business park energy systems: A holistic techno-economic optimisation model. <i>Energy</i> , 2017, 125, 747-770.	8.8	11
94	Dc-bus voltage balancing controllers for split dc-link four-wire inverters and their impact on the quality of the injected currents. <i>CIREC - Open Access Proceedings Journal</i> , 2017, 2017, 564-568.	0.1	11
95	The Impact of Pitch-To-Stall and Pitch-To-Feather Control on the Structural Loads and the Pitch Mechanism of a Wind Turbine. <i>Energies</i> , 2020, 13, 4503.	3.1	11
96	A Novel Linear Resolver Proposal and Its Performance Analysis Under Healthy and Asymmetry Air-Gap Fault. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-9.	4.7	11
97	Optimal sizing of an industrial microgrid considering socio-organisational aspects. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 3442-3451.	2.5	10
98	Benefit Evaluation of PV Orientation for Individual Residential Consumers. <i>Energies</i> , 2020, 13, 5122.	3.1	10
99	Optimal price-based and emergency demand response programs considering consumers preferences. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 138, 107890.	5.5	10
100	Vibrations of magnetic origin of switched reluctance motors. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2003, 22, 1009-1020.	0.9	9
101	Power injection by distributed generation and the influence of harmonic load conditions. , 2010, , .		9
102	Power balancing in islanded microgrids by using a dc-bus voltage reference. , 2010, , .		9
103	Evaluation of the Maximum Power Point Tracking performance in small wind turbines. , 2012, , .		9
104	Comparative study of the influence of harmonic voltage distortion on the efficiency of induction machines versus line start permanent magnet machines. , 2012, , .		9
105	Magnetic forces and magnetostriction in rotating electrical machines. , 2016, , .		9
106	A Microgrid Multilayer Control Concept for Optimal Power Scheduling and Voltage Control. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 4458-4467.	9.0	9
107	Sequential approximate multiobjective optimisation of switched reluctance motor design using surrogate models and nongradient local search algorithm. <i>IET Science, Measurement and Technology</i> , 2004, 151, 471-475.	0.7	8
108	Impact of increased penetration of large-scale wind farms on power system dynamic stability - A review. , 2015, , .		8

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109	Classification Method to Define Synchronization Capability Limits of Line-Start Permanent-Magnet Motor Using Mesh-Based Magnetic Equivalent Circuit Computation Results. <i>Energies</i> , 2018, 11, 998.	3.1	8
110	Fast harmonic simulation method for the analysis of network losses with converter-connected distributed generation. <i>Electric Power Systems Research</i> , 2010, 80, 1332-1340.	3.6	7
111	Preventing overvoltages in PV grids by integration of small storage capacity. , 2011, , .		7
112	Optimization of constant power control of wind turbines to provide power reserves. , 2013, , .		7
113	Improvement of active power sharing ratio of P/V droop controllers in low-voltage islanded microgrids. , 2013, , .		7
114	Solar commercial virtual power plant day ahead trading. , 2014, , .		7
115	Multi-objective optimization for environomic scheduling in microgrids. , 2014, , .		7
116	Congestion-induced wind curtailment mitigation using energy storage. , 2014, , .		7
117	Comparison of wind turbine power control strategies to provide power reserves. , 2016, , .		7
118	A coordinated voltage control strategy for On-Load Tap Changing transformers with the utilisation of Distributed generators. , 2016, , .		7
119	A wave emulator for ocean wave energy, a Froude-scaled dry power take-off test setup. <i>Renewable Energy</i> , 2017, 105, 712-721.	8.9	7
120	Modeling of active yaw systems for small and medium wind turbines. , 2017, , .		7
121	Thermal Performance Evaluation of an Induced Draft Evaporative Cooling System through Adaptive Neuro-Fuzzy Interference System (ANFIS) Model and Mathematical Model. <i>Energies</i> , 2019, 12, 2544.	3.1	7
122	Techno-economic optimisation of small wind turbines using co-design on a parametrised model. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101165.	2.7	7
123	A GENERAL DESCRIPTION OF HIGH-FREQUENCY POSITION ESTIMATORS FOR INTERIOR PERMANENT-MAGNET SYNCHRONOUS MOTORS. , 2006, , 141-153.		6
124	Nonlinear transformer model in the frequency domain and with symmetrical components. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2008, 27, 1418-1437.	0.9	6
125	Distributed generation and the voltage profile on distribution feeders during voltage dips. <i>Electric Power Systems Research</i> , 2010, 80, 1452-1458.	3.6	6
126	Influence of harmonic currents on cable losses for different grid configurations. , 2010, , .		6

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127	Economic evaluation of the influence of overvoltages and the integration of small storage capacity in residential PV-installations. , 2011, , .		6
128	Simultaneous optimal placement and parameter-tuning of SVC, TCSC and PSS using Honey-Bee Mating Optimization. , 2013, , .		6
129	Effective capture of wind gusts in small wind turbines by using a full active rectifier. , 2014, , .		6
130	A probabilistic framework for evaluating voltage unbalance mitigation by photovoltaic inverters. Sustainable Energy, Grids and Networks, 2016, 8, 1-11.	3.9	6
131	Voltage Unbalance and Overvoltage Mitigation by Using the Three-phase Damping Control Strategy in Battery Storage Applications. , 2018, , .		6
132	A Two-Stage Stochastic Optimisation Methodology for the Operation of a Chlor-Alkali Electrolyser under Variable DAM and FCR Market Prices. Energies, 2020, 13, 5675.	3.1	6
133	DC-bus voltage controllers for a three-phase voltage-source inverter for distributed generation. Renewable Energy and Power Quality Journal, 2009, 1, 297-302.	0.2	6
134	Technical and business economic study of photovoltaic systems. Renewable Energy and Power Quality Journal, 2010, 1, 509-514.	0.2	6
135	Flexible operation strategy for formic acid synthesis providing frequency containment reserve in smart grids. International Journal of Electrical Power and Energy Systems, 2022, 139, 107969.	5.5	6
136	Techno-Economic Analysis and Optimal Operation of a Hydrogen Refueling Station Providing Frequency Ancillary Services. IEEE Transactions on Industry Applications, 2022, 58, 5171-5183.	4.9	6
137	Profits of power-quality improvement by residential distributed generation. , 2007, , .		5
138	Overview of voltage control strategies in medium voltage networks with implementation of distributed generation. , 2011, , .		5
139	Joule losses and torque ripple caused by current waveforms in small and medium wind turbines. , 2013, , .		5
140	Prediction of yield of solar modules as a function of technological and climatic parameters. , 2013, , .		5
141	Ancillary services for the electrical grid by waste heat. Applied Thermal Engineering, 2014, 70, 1156-1161.	6.0	5
142	Possible Power Quality Ancillary Services in Low-Voltage Grids Provided by the Three-Phase Damping Control Strategy. Applied Sciences (Switzerland), 2020, 10, 7876.	2.5	5
143	Numerical analysis of vibrations of squirrel-cage induction motors based on magnetic equivalent circuits and structural finite element models. , 0, , .		4
144	Two-dimensional harmonic balance finite element modelling of electrical machines taking motion into account. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2003, 22, 1021-1036.	0.9	4

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145	A discrete-time model including cross-saturation for surface permanent-magnet synchronous machines. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2006, 25, 766-778.	0.9	4
146	Embedded Runge-Kutta methods for the integration of a current control loop in an SRM dynamic finite element model. IET Science, Measurement and Technology, 2007, 1, 17-20.	1.6	4
147	A Space Vector Strategy for Smooth Torque Control of Switched Reluctance Machines. , 2007, , .		4
148	Influence of harmonic voltage distortion on asynchronous generators. , 2011, , .		4
149	The opportunities of two-phase hybrid stepping motor back EMF sampling. , 2011, , .		4
150	Evaluation of the MPPT performance in small wind turbines by estimating the tip-speed ratio. , 2013, , .		4
151	Distributed communication-based Model Predictive Control for long-term voltage instability. , 2013, , .		4
152	Solar Commercial Virtual Power Plant. , 2013, , .		4
153	Grid voltage control with wind turbine inverters by using grid impedance estimation. , 2014, , .		4
154	Magnetostrictive vibrations model of a three-phase transformer core and the contribution of the fifth harmonic in the grid voltage. Journal of Applied Physics, 2014, 115, 17A316.	2.5	4
155	Energy yield losses due to emulated inertial response with wind turbines. , 2014, , .		4
156	Evaluation of the additional loss due to supply voltage distortion in relation to induction motor efficiency rating. , 2015, , .		4
157	Assessing Financial and Flexibility Incentives for Integrating Wind Energy in the Grid Via Agent-Based Modeling. Energies, 2019, 12, 4314.	3.1	4
158	Duty Ratio Calculation for Digitally Feed Forward Controlled Parallel Connected Buck-Boost PFC. , 2020, , .		4
159	Day-Ahead Energy and Reserve Dispatch Problem under Non-Probabilistic Uncertainty. Energies, 2021, 14, 1016.	3.1	4
160	Calculation of radial magnetic forces for the analysis of noise and vibrations of squirrel-cage induction motors. , 1997, , .		3
161	Long-range magnetic force and deformation calculation using the 2D finite element method. IEEE Transactions on Magnetics, 1998, 34, 3540-3543.	2.1	3
162	Computation of deformation of ferromagnetic material. , 2002, , .		3

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163	Influence of converter-based distributed generators on the harmonic line losses. , 2008, , .		3
164	ISO Efficiency Curves of a -Two-Phase Hybrid Stepping Motor. , 2010, , .		3
165	Energy management and dynamic optimisation of eco-industrial parks. , 2013, , .		3
166	Three-Phase Primary Control for Unbalance Sharing between Distributed Generation Units in a Microgrid. Energies, 2013, 6, 6586-6607.	3.1	3
167	Use of energy storage for Belgian power network. , 2013, , .		3
168	Optimal energy storage sizing based on wind curtailment reduction. , 2014, , .		3
169	The Effect of Design Considerations on the Synchronization Capability Limits of Line-Start Permanent-Magnet Synchronous Motors. , 2018, , .		3
170	A Data-Driven Approach Using Deep Learning Time Series Prediction for Forecasting Power System Variables. , 2019, , .		3
171	Performance and Structural Load Analysis of Small and Medium Wind Turbines Operating with Active Speed Stall Control versus Pitch Control. , 2019, , .		3
172	An Adjusted Weight Metric to Quantify Flexibility Available in Conventional Generators for Low Carbon Power Systems. Energies, 2020, 13, 5658.	3.1	3
173	Optimal Electrical Interconnection Configuration of Off-Shore Wind Farms. Journal of Clean Energy Technologies, 2015, 4, 66-71.	0.1	3
174	Dynamic wake analysis of a wind turbine providing frequency support services. IET Renewable Power Generation, 2022, 16, 1853-1865.	3.1	3
175	A comprehensive and time efficient characterisation of redox flow batteries through Design of Experiments. Journal of Energy Storage, 2022, 50, 104574.	8.1	3
176	A Simulink state-space model of induction machines including magnetizing-flux saturation. , 0, , .		2
177	Re-adding damping to the distribution network: Harmonics and voltage dips. , 2008, , .		2
178	Power quality improvements through power electronic interfaced distributed generation. , 2010, , .		2
179	Magnetostriction and the Advantages of Using Noncontact Measurements. , 2010, , .		2
180	Electrical balancing potential in Belgian residential installations. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
181	Using general synchronous machine theory to integrate PLL controller dynamics into a static power electronic converter model. , 2012, , .		2
182	Soft curtailment for voltage limiting in low-voltage networks through reactive or active power droops. , 2012, , .		2
183	Temperature dependency of the efficiency of Line Start Permanent Magnet Machines. , 2012, , .		2
184	Estimation of end user voltage quality including background distortion. , 2012, , .		2
185	Mutual-inductance modelling in line-start permanent-magnet synchronous machines based on winding-function theory. , 2013, , .		2
186	Magnetostriction strain measurement and its application for the numerical deformation calculation of a transformer. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 572-579.	1.9	2
187	OLTC selection and switching reduction in multiple-feeder LV distribution networks. , 2015, , .		2
188	Congestion Control Algorithm in Distribution Feeders: Integration in a Distribution Management System. Energies, 2015, 8, 6013-6032.	3.1	2
189	Wind-PV-storage optimal environomic design using multi-objective Artificial Bee Colony. , 2015, , .		2
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