

Juri Jatskevich

List of Publications by Year in descending order

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188
papers

6,537
citations

186265

28
h-index

85541

71
g-index

188
all docs

188
docs citations

188
times ranked

5434
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous Demand-Side Management Based on Game-Theoretic Energy Consumption Scheduling for the Future Smart Grid. IEEE Transactions on Smart Grid, 2010, 1, 320-331.	9.0	2,369
2	Optimal Real-Time Pricing Algorithm Based on Utility Maximization for Smart Grid. , 2010, , .		712
3	Optimal and autonomous incentive-based energy consumption scheduling algorithm for smart grid. , 2010, , .		345
4	Modeling Guidelines and a Benchmark for Power System Simulation Studies of Three-Phase Single-Stage Photovoltaic Systems. IEEE Transactions on Power Delivery, 2011, 26, 1247-1264.	4.3	301
5	Numerical state-space average-value modeling of PWM DC-DC converters operating in DCM and CCM. IEEE Transactions on Power Electronics, 2006, 21, 1003-1012.	7.9	198
6	Large- and Small-Signal Average-Value Modeling of Dual-Active-Bridge DC-DC Converter Considering Power Losses. IEEE Transactions on Power Electronics, 2017, 32, 1964-1974.	7.9	159
7	Efficient Approaches for Modeling and Simulating Photovoltaic Power Systems. IEEE Journal of Photovoltaics, 2013, 3, 500-508.	2.5	158
8	Distribution System State Estimation Based on Nonsynchronized Smart Meters. IEEE Transactions on Smart Grid, 2015, 6, 2919-2928.	9.0	151
9	High-Frequency Modeling of the Long-Cable-Fed Induction Motor Drive System Using TLM Approach for Predicting Overvoltage Transients. IEEE Transactions on Power Electronics, 2010, 25, 2653-2664.	7.9	125
10	Power Quality Control of Wind-Hybrid Power Generation System Using Fuzzy-LQR Controller. IEEE Transactions on Energy Conversion, 2007, 22, 516-527.	5.2	81
11	Semidefinite Relaxation of Optimal Power Flow for AC-DC Grids. IEEE Transactions on Power Systems, 2017, 32, 289-304.	6.5	69
12	Re-examination of Synchronous Machine Modeling Techniques for Electromagnetic Transient Simulations. IEEE Transactions on Power Systems, 2007, 22, 1221-1230.	6.5	68
13	Filtering of Hall-Sensor Signals for Improved Operation of Brushless DC Motors. IEEE Transactions on Energy Conversion, 2012, 27, 547-549.	5.2	67
14	Simplified Load-Feedforward Control Design for Dual-Active-Bridge Converters With Current-Mode Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2073-2085.	5.4	58
15	Parasitics Realization in State-Space Average-Value Modeling of PWM DC-DC Converters Using an Equal Area Method. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1960-1967.	0.1	54
16	Modeling of Induction Machines Using a Voltage-Behind-Reactance Formulation. IEEE Transactions on Energy Conversion, 2008, 23, 382-392.	5.2	53
17	Fault Diagnosis and Signal Reconstruction of Hall Sensors in Brushless Permanent Magnet Motor Drives. IEEE Transactions on Energy Conversion, 2016, 31, 118-131.	5.2	51
18	Realization of parasitics in state-space average-value modeling of PWM DC-DC converters. IEEE Transactions on Power Electronics, 2006, 21, 1142-1147.	7.9	50

#	ARTICLE	IF	CITATIONS
19	PEV-based combined frequency and voltage regulation for smart grid. , 2012, , .		48
20	Improved Fault-Tolerant Control for Brushless Permanent Magnet Motor Drives With Defective Hall Sensors. IEEE Transactions on Energy Conversion, 2016, 31, 789-799.	5.2	45
21	Average-Value Modeling of Brushless DC Motors With 120° Voltage Source Inverter. IEEE Transactions on Energy Conversion, 2008, 23, 423-432.	5.2	42
22	A Voltage-Behind-Reactance Induction Machine Model for the EMTP-Type Solution. IEEE Transactions on Power Systems, 2008, 23, 1226-1238.	6.5	37
23	Improved Full-Order Adaptive Observer for Sensorless Induction Motor Control in Railway Traction Systems Under Low-Switching Frequency. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2333-2345.	5.4	37
24	Torque Ripple Reduction Method for Permanent Magnet Synchronous Machine Drives With Novel Harmonic Current Control. IEEE Transactions on Energy Conversion, 2021, 36, 2502-2513.	5.2	37
25	A Universal High-Frequency Induction Machine Model and Characterization Method for Arbitrary Stator Winding Connections. IEEE Transactions on Energy Conversion, 2019, 34, 1164-1177.	5.2	36
26	AC-DC LED Driver With an Additional Active Rectifier and a Unidirectional Auxiliary Circuit for AC Power Ripple Isolation. IEEE Transactions on Power Electronics, 2019, 34, 685-699.	7.9	34
27	Constant-Parameter π -Branch Equivalent Circuit for Interfacing AC Machine Models in State-Variable-Based Simulation Packages. IEEE Transactions on Energy Conversion, 2012, 27, 634-645.	5.2	31
28	A Constant-Parameter Voltage-Behind-Reactance Synchronous Machine Model Based on Shifted-Frequency Analysis. IEEE Transactions on Energy Conversion, 2015, 30, 761-771.	5.2	31
29	Explicit Formulations for Constant-Parameter Voltage-Behind-Reactance Interfacing of Synchronous Machine Models. IEEE Transactions on Energy Conversion, 2013, 28, 1053-1063.	5.2	30
30	Robust Control Strategy Design for Single-Phase Grid-Connected Converters Under System Perturbations. IEEE Transactions on Industrial Electronics, 2019, 66, 8892-8901.	7.9	30
31	Multi-Resolution Modeling of Power Electronics Circuits Using Model-Order Reduction Techniques. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 810-823.	5.4	29
32	A Unified Distribution System State Estimator Using the Concept of Augmented Matrices. IEEE Transactions on Power Systems, 2013, 28, 3390-3400.	6.5	29
33	Optimal power flow for AC-DC networks. , 2014, , .		29
34	Efficient Explicit Representation of AC Machines Main Flux Saturation in State-Variable-Based Transient Simulation Packages. IEEE Transactions on Energy Conversion, 2013, 28, 380-393.	5.2	24
35	Fast Fault-Tolerant Control for Improved Dynamic Performance of Hall-Sensor-Controlled Brushless DC Motor Drives. IEEE Transactions on Power Electronics, 2021, 36, 14051-14061.	7.9	24
36	Including Magnetic Saturation in Voltage-Behind-Reactance Induction Machine Model for EMTP-Type Solution. IEEE Transactions on Power Systems, 2010, 25, 975-987.	6.5	23

#	ARTICLE	IF	CITATIONS
37	Dynamic Phasor Modeling of Line-Commutated Rectifiers With Harmonics Using Analytical and Parametric Approaches. IEEE Transactions on Energy Conversion, 2017, 32, 534-547.	5.2	23
38	Numerical Dynamic Characterization of Peak Current-Mode-Controlled DC-DC Converters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 906-910.	3.0	22
39	Generalized Parametric Average-Value Model of Line-Commutated Rectifiers Considering AC Harmonics With Variable Frequency Operation. IEEE Transactions on Energy Conversion, 2018, 33, 341-353.	5.2	22
40	Hall-sensor signals filtering for improved operation of brushless DC motors. , 2011, , .		21
41	Dynamic Average-Value Modeling of 120° VSI-Commutated Brushless DC Motors With Trapezoidal Back EMF. IEEE Transactions on Energy Conversion, 2012, 27, 296-307.	5.2	21
42	Synthesis of Multi-Input Multi-Output DC/DC Converters Without Energy Buffer Stages. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 712-716.	3.0	21
43	Constant-Parameter Voltage-Behind-Reactance Induction Machine Model Including Main Flux Saturation. IEEE Transactions on Energy Conversion, 2015, 30, 90-102.	5.2	20
44	Reduced-Order Modeling of High-Fidelity Magnetic Equivalent Circuits. IEEE Transactions on Power Electronics, 2009, 24, 2847-2855.	7.9	19
45	Reduced-Order Dynamic Modeling of Multiple-Winding Power Electronic Magnetic Components. IEEE Transactions on Power Electronics, 2012, 27, 2220-2226.	7.9	19
46	A Phase-Domain Synchronous Machine Model With Constant Equivalent Conductance Matrix for EMT-Type Solution. IEEE Transactions on Energy Conversion, 2013, 28, 191-202.	5.2	19
47	Averaged-Switch Modeling of Fourth-Order PWM DC-DC Converters Considering Conduction Losses in Discontinuous Mode. IEEE Transactions on Power Electronics, 2007, 22, 2410-2415.	7.9	18
48	Interfacing Techniques for Time-Domain and Frequency-Domain Simulation Methods. IEEE Transactions on Power Delivery, 2010, 25, 1796-1807.	4.3	18
49	Average-Value Modeling of Synchronous-Machine-Fed Thyristor-Controlled-Rectifier Systems. IEEE Transactions on Energy Conversion, 2015, 30, 487-497.	5.2	18
50	A nonisolated multiple-input multiple-output DC-DC converter for DC distribution of future energy efficient homes. , 2014, , .		17
51	Constant-Parameter Interfacing of Induction Machine Models Considering Main Flux Saturation in EMT-Type Programs. IEEE Transactions on Energy Conversion, 2016, 31, 12-26.	5.2	17
52	Comparison of brushless DC motors with trapezoidal and sinusoidal back-EMF. , 2011, , .		16
53	Circuit-averaged and state-space-averaged-value modeling of second-order flyback converter in CCM and DCM including conduction losses. , 2013, , .		16
54	Voltage-behind-reactance model of six-phase synchronous machines considering stator mutual leakage inductance and main flux saturation. Electric Power Systems Research, 2016, 138, 155-164.	3.6	16

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55	Pole Selection Procedure for Explicit Constant-Parameter Synchronous Machine Models. IEEE Transactions on Energy Conversion, 2014, 29, 790-792.	5.2	15
56	Augmented Buck Converter Design using Resonant Circuits for Fast Transient Recovery. IEEE Transactions on Power Electronics, 2016, 31, 5666-5679.	7.9	15
57	Fast Restarting of Free-Running Induction Motors Under Speed-Sensorless Vector Control. IEEE Transactions on Industrial Electronics, 2020, 67, 6124-6134.	7.9	15
58	High-frequency cable and motor modeling of long-cable-fed induction motor drive systems. , 2010, , .		14
59	Average-Value Modeling of Diode Rectifier Systems Under Asymmetrical Operation and Internal Faults. IEEE Transactions on Energy Conversion, 2018, 33, 1895-1906.	5.2	14
60	Dynamic Average-Value Modeling of Three-Level T-Type Grid-Connected Converter System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2428-2442.	5.4	14
61	A Generalized Methodology for Dynamic Average Modeling of High-Pulse-Count Rectifiers in Transient Simulation Programs. IEEE Transactions on Energy Conversion, 2016, 31, 228-239.	5.2	13
62	Magnetically-Saturable Voltage-Behind-Reactance Synchronous Machine Model for EMTP-Type Solution. IEEE Transactions on Power Systems, 2011, 26, 2355-2363.	6.5	12
63	Deadbeat Harmonic Current Control of Permanent Magnet Synchronous Machine Drives for Torque Ripple Reduction. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3357-3370.	5.4	12
64	Ensuring dynamic stability of constant power loads in DC telecom power systems and data centers using active damping. , 2014, , .		11
65	Constant-Parameter Circuit-Based Models of Synchronous Machines. IEEE Transactions on Energy Conversion, 2015, 30, 441-452.	5.2	11
66	Using Multiple Reference Frame Theory for Considering Harmonics in Average-Value Modeling of Diode Rectifiers. IEEE Transactions on Energy Conversion, 2016, 31, 872-881.	5.2	11
67	Verification of Parametric Average-Value Model of Thyristor-Controlled Rectifier Systems for Variable-Frequency Wind Generation Systems. IEEE Transactions on Energy Conversion, 2016, 31, 401-403.	5.2	11
68	Numerical Validation of Parametric Average-Value Modeling of Synchronous Machine Rectifier Systems for Variable Frequency Operation. IEEE Transactions on Energy Conversion, 2008, 23, 342-344.	5.2	10
69	Computer-Aided Dynamic Characterization of Fourth-Order PWM DC-DC Converters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 1021-1025.	3.0	9
70	Approximate Voltage-Behind-Reactance Induction Machine Model for Efficient Interface With EMTP Network Solution. IEEE Transactions on Power Systems, 2010, 25, 1016-1031.	6.5	9
71	Constant-parameter synchronous machine model including main flux saturation. IET Electric Power Applications, 2016, 10, 477-487.	1.8	9
72	Parametric Dynamic Phasor Modeling of Thyristor-Controlled Rectifier Systems Including Harmonics for Various Operating Modes. IEEE Transactions on Energy Conversion, 2017, 32, 1626-1629.	5.2	9

#	ARTICLE	IF	CITATIONS
73	Optimal Modulation for a Fifth-Order Dual-Active-Bridge Resonant Imittance DC-DC Converter. IEEE Transactions on Power Electronics, 2020, 35, 70-82.	7.9	9
74	A Simple Explicit Method of Representing Magnetic Saturation of Salient-Pole Synchronous Machines in Both Rotor Axes Using Matlab-Simulink. , 2007, , .		8
75	Approximate dynamic average-value model for controlled line-commuted converters. , 2011, , .		8
76	Digital and analog implementations of nonlinear-feedforward controller for a dual-active-bridge converter. , 2015, , .		8
77	Improved Algebraic-Loop Relaxation in CPVBR Models of Synchronous Machines Under Power Electronic Switching. IEEE Transactions on Energy Conversion, 2018, 33, 900-903.	5.2	8
78	Adaptive Control Method for Stabilizing DC Distribution Systems with Constant-Power Loads Based on Tunable Active Damping. , 2018, , .		8
79	Saturable and Decoupled Constant-Parameter VBR Model for Six-Phase Synchronous Machines in State-Variable Simulation Programs. IEEE Transactions on Energy Conversion, 2019, 34, 1868-1880.	5.2	8
80	Parametric Average-Value Modeling of Thyristor-Controlled Rectifiers With Internal Faults and Asymmetrical Operation. IEEE Transactions on Power Delivery, 2019, 34, 773-776.	4.3	8
81	Interfacing of Parametric Average-Value Models of LCR Systems in Fixed-Time-Step Real-Time EMT Simulations. IEEE Transactions on Energy Conversion, 2020, 35, 1985-1988.	5.2	8
82	Admittance Decomposition for Assessment of APF and STATCOM Impact on the Low-Frequency Stability of Railway Vehicle-Grid Systems. IEEE Transactions on Power Electronics, 2022, 37, 15425-15441.	7.9	8
83	Induction motor loads and voltage stability assessment using PV curves. , 2009, , .		7
84	Dynamic modelling and characterisation of vehicular power system considering alternator iron core and rectifier losses. IET Electrical Systems in Transportation, 2012, 2, 58.	2.4	7
85	Performance verification of parametric average-value model of line-commutated rectifiers under unbalanced conditions. , 2015, , .		7
86	A Hybrid Five-Level Modular Multilevel Converter With High Efficiency and Small Energy Storage Requirements for HVDC Transmission. IEEE Transactions on Industrial Electronics, 2023, 70, 1597-1608.	7.9	7
87	Direct Interfacing of Parametric Average-Value Models of AC-DC Converters for Nodal Analysis-Based Solution. IEEE Transactions on Energy Conversion, 2022, 37, 2408-2418.	5.2	7
88	Direct Interfacing of Dynamic Average Models of Line-Commutated Rectifier Circuits in Nodal Analysis EMTP-Type Solution. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1892-1902.	5.4	6
89	Application of loop power flow controllers for power demand optimization at industrial customer sites. , 2015, , .		6
90	State-space voltage-behind-reactance modeling of induction machines based on shifted-frequency analysis. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
91	Efficient simulation of wind farms using switching reduced models of converters and VBR formulation of six-phase PM synchronous generators. , 2016, , .		6
92	Constant-Parameter Voltage-Behind-Reactance Model of Six-Phase Synchronous Machines. IEEE Transactions on Energy Conversion, 2017, 32, 548-559.	5.2	6
93	Online Source Impedance Identification in DC Distribution Systems Using the Recursive Extended Least-Squares Method. , 2018, , .		6
94	Hybrid Parametric Average-Value/Detailed Modeling of Line-Commutated Rectifiers. IEEE Transactions on Energy Conversion, 2020, 35, 1494-1504.	5.2	6
95	Improved multiple vector model predictive torque control of permanent magnet synchronous motor for reducing torque ripple. IET Electric Power Applications, 2021, 15, 681-695.	1.8	6
96	Load modeling of an induction motor operated with a variable frequency drive. , 2008, , .		5
97	Efficient Modeling of Six-Phase PM Synchronous Machine-Rectifier Systems in State-Variable-Based Simulation Programs. IEEE Transactions on Energy Conversion, 2018, 33, 1557-1570.	5.2	5
98	<title>Communication interval selection in distributed heterogeneous simulation of large-scale dynamical systems</title>. , 2003, , .		4
99	Parametric Average-Value Modeling of Multiple-Input Buck Converters. , 2007, , .		4
100	Bulk power system restoration interdependency risk modeling. , 2008, , .		4
101	A VBR induction machine model implementation for SimPowerSystem toolbox in Matlab-Simulink. , 2008, , .		4
102	A new adaptive dynamic reduction method for power system transient stability problems. Electric Power Systems Research, 2014, 115, 102-110.	3.6	4
103	A feedforward control method of dual-active-bridge dc/dc converter to achieve fast dynamic response. , 2014, , .		4
104	Interfacing SFA- and GAM-type dynamic phasors for modeling of integrated AC-DC power systems. , 2016, , .		4
105	Efficient simulation of wind generation systems using voltage-behind-reactance model of doubly-fed induction generators and average-value model of switching converters. , 2017, , .		4
106	Parameter-Estimation-Based Adaptive MTPA Control for Interior Permanent Magnet Synchronous Motors. , 2019, , .		4
107	Induction Machine Parameterization From Limited Transient Data Using Convex Optimization. IEEE Transactions on Industrial Electronics, 2022, 69, 1254-1265.	7.9	4
108	Considering Source Dynamics in Computer-Aided Parametric Average-Value Modeling of PWM Converters. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
109	Simulation and analysis of starting transients in rotor-chopper-controlled doubly-fed induction motors. , 2008, , .		3
110	Online characterization procedure for induction machines using start-up and loading transients. , 2008, , .		3
111	Accelerated state-variable modeling of synchronous machine-converter systems. , 2008, , .		3
112	Simulation-based dynamic characterization of transformer-isolated machine-rectifier systems. , 2012, , .		3
113	Using current-source formulation for dynamic average-value modeling of inverter side HVDC system. , 2013, , .		3
114	Implementation of constant-parameter directly-interfaced VBR synchronous machine models in SimPowerSystems, ASMG, and PLECS toolboxes. , 2013, , .		3
115	Constant parameter VBR model of permanent magnet synchronous machine wind generation system. , 2015, , .		3
116	Topology design of isolated multiport converters for smart DC distribution systems. , 2015, , .		3
117	Flyback-converter-based source identification for investigation of dynamic stability with constant power loads. , 2015, , .		3
118	Multirate EMTP-Type Induction Machine Models. IEEE Transactions on Energy Conversion, 2016, 31, 1142-1152.	5.2	3
119	Parametric average-value modeling of AC-AC matrix converters. , 2016, , .		3
120	Using LED lighting drivers for harmonic current cancellation in intelligent distribution power systems. , 2016, , .		3
121	Parametric average-value modeling of diode rectifier circuits in nodal analysis EMTP-type solution. , 2016, , .		3
122	Stabilizing Integrated Power Systems with Constant-Power Loads Based on DC Bus Voltage Monitoring. , 2018, , .		3
123	Constant-Parameter Voltage-Behind-Reactance Modeling of Five-Phase Synchronous Machines With Air-Gap Flux Harmonics. IEEE Transactions on Energy Conversion, 2020, 35, 119-129.	5.2	3
124	Average-Value Modeling of Line-Commutated AC-DC Converters With Unbalanced AC Network. IEEE Transactions on Energy Conversion, 2021, 36, 3533-3544.	5.2	3
125	Effect of stator resistance on average-value modeling of BLDC motor 120-degree inverter systems. , 2007, , .		3
126	Control of hybrid wind power generation system with dump load using advanced fuzzy-robust controller. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
127	Load sharing in V/F speed controlled multi-motor driven system under mechanical wheel-slippage. , 2011, , .		2
128	Improved torque sharing in multi induction motor VFD systems using current feedback. , 2012, , .		2
129	Hall sensor-based Locking Electric Differential System for BLDC motor driven electric vehicles. , 2012, , .		2
130	Average-value modeling of thyristor controlled line-commutated converter using voltage and current source formulations. , 2013, , .		2
131	A flyback converter with multiple ports for power management in DC distribution systems. , 2014, , .		2
132	Parametric average value modeling of high power AC/AC cyclo converters. , 2015, , .		2
133	Concept of synthesizing modular power supply for interfacing diverse energy sources and loads. , 2015, , .		2
134	Transient Stability Analysis Using Shifted Frequency Analysis (SFA). , 2018, , .		2
135	Simulation of Line-Commutated Rectifier Systems Using Fixed Time-Step without Zero-Crossing Events. , 2018, , .		2
136	An Electrolytic Capacitor-Less AC-DC LED Driver with a Low Power Processing Auxiliary Circuit and Ceramic Capacitors for Ripple Power Decoupling. , 2018, , .		2
137	Reduced-Order Parametric Dynamic Phasor Modeling of Line-Commutated Rectifier Systems. , 2019, , .		2
138	Hybrid Average-Value/Detailed Modeling of Line-Commutated AC-DC Converters With Internal Faults For Electromagnetic Transient Simulations. IEEE Transactions on Power Systems, 2021, 36, 4852-4855.	6.5	2
139	A Compensation of Commutation Angle in Hall-Sensor-Controlled Brushless DC Motors for Maximum Torque per Ampere Operation. , 2022, , .		2
140	Variable-resolution simulation of nonlinear power circuits. , 2010, , .		1
141	Explicit and implicit representation of saturation for induction machines modelling in state-variable transient simulators. , 2012, , .		1
142	Generalized state-space saturable induction machine model using a voltage-behind-reactance formulation. , 2013, , .		1
143	Efficiency estimation on DPC active front-end rectifier loads for system-level transient studies. , 2013, , .		1
144	A methodology to derive single-stage multiple-input multiple-output DC-DC converters. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
145	Steady-state and dynamic performance of front-end diode rectifier loads as predicted by dynamic average-value models. , 2014, , .		1
146	Efficient explicit representation of AC machines main flux saturation in state-variable-based transient simulation packages. , 2014, , .		1
147	Resonant augmentation circuits for a buck converter achieving minimum-time voltage recovery from load transients. , 2014, , .		1
148	A parametric dynamic phasor model of line-commutated rectifier systems. , 2016, , .		1
149	Harmonic compensation in ac distribution systems using smart electronic loads with PFC converters. , 2017, , .		1
150	An Adaptive MTPA Control Method for Interior Permanent Magnet Synchronous Motors Considering Demagnetization and Temperature Effects. , 2018, , .		1
151	Parametric Average-Value Modeling of Single-Phase Line-Commutated Electronic Rectifier Circuits. , 2018, , .		1
152	Small Signal Modeling of Full Bridge Boost Converter. , 2019, , .		1
153	Stabilizing AC Distributed Power Systems with Constant-Power Loads Using Tunable Active Damping. , 2019, , .		1
154	Efficient Modeling of Six-Phase Synchronous Machines for Simulations of Renewable Energy Generation Systems. , 2020, , .		1
155	Induction Machine Modeling Considering Magnetizing Flux Saturation With Air-Gap Harmonics. IEEE Transactions on Energy Conversion, 2021, 36, 3376-3386.	5.2	1
156	Aggregated Modeling of Synchronous Generators Using Transfer Matrices. , 2022, , .		1
157	Efficient Simulation of Variable-Speed Diesel-Engine Generators Using Constant-Parameter Voltage-Behind-Reactance Formulation. , 2022, , .		1
158	Computer-Aided Average-Value Modeling of Fourth-Order PWM DC-DC Converters. , 2007, , .		0
159	Computer-Aided Average-Value Modeling of Peak Current-Mode Controlled Dc-Dc Converters Considering Parasitics. , 2007, , .		0
160	Reduced-order representation of the deep-rotor-bar phenomena in induction machines. , 2011, , .		0
161	Torque sharing between V/F controlled vehicular wheels under slippery ground conditions. , 2012, , .		0
162	Best Papers. IEEE Transactions on Energy Conversion, 2013, 28, 1093-1093.	5.2	0

#	ARTICLE	IF	CITATIONS
163	Identifying coherent areas in transmission system for transient stability studies in future smart grids. , 2013, , .		0
164	Modeling and transient simulation studies of smart buildings power networks with UPS and distribution automation. , 2013, , .		0
165	Dynamic average-value modeling of 120V VSI-commutated brushless dc motors with trapezoidal back EMF. , 2013, , .		0
166	A phase-domain synchronous machine model with constant equivalent conductance matrix for EMTP-type solution. , 2013, , .		0
167	Guest Editorial Special Section on Advanced Modeling, Simulation, Control, and Optimization Paradigms for Vehicular Power Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 2998-3000.	6.3	0
168	Explicit formulations for constant-parameter voltage-behind-reactance interfacing of synchronous machine models. , 2014, , .		0
169	Detailed modeling of telecom AC-DC backup generation power systems using voltage-behind-reactance synchronous machine model. , 2014, , .		0
170	Suppressing fast load transients and improving dynamic performance in DC telecom power systems and data centers. , 2014, , .		0
171	Unified distribution system state estimator using the concept of augmented matrices. , 2014, , .		0
172	A transformerless multiple-port DC-DC converter for energy harvesting and dispatching. , 2014, , .		0
173	Best Papers and Star Reviewers. IEEE Transactions on Energy Conversion, 2014, 29, 816-816.	5.2	0
174	Multi-resolution modeling of induction furnace systems with line-commutated rectifier and resonant converter. , 2015, , .		0
175	Multi-resolution modeling of variable speed six-phase synchronous generator with regulated 400 Hz AC system. , 2016, , .		0
176	Improved constant parameter VBR model of permanent magnet synchronous machine using resonant auxiliary rotor winding. , 2016, , .		0
177	Saturable voltage-behind-reactance model of six-phase synchronous machine in hybrid AC and DC generation system. , 2016, , .		0
178	Parametric dynamic phasor modeling of synchronous machine-rectifier systems for integrated ac-dc microgrids. , 2017, , .		0
179	Accurate and fast power sharing among inverters in AC microgrids with constant power loads. , 2017, , .		0
180	Guest Editorial Special Section on Asynchronous Interconnect and Generation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1006-1007.	5.4	0

#	ARTICLE	IF	CITATIONS
181	Reduced-Order Parametric Dynamic Phasor Modeling of AC Distribution Systems with Rectifier Loads. , 2019, , .		0
182	An Observer-Based Fixed-Frequency Sliding-Mode Controller for Boost Converters. , 2019, , .		0
183	An Effective Economical Hierarchical Control Scheme for Low-Voltage AC Microgrids. , 2019, , .		0
184	Average-Value Modeling of Line-Commutated Inverter Systems With Commutation Failure. IEEE Transactions on Power Delivery, 2022, 37, 2805-2817.	4.3	0
185	Constant-Parameter Discretized State-Space Model of Saturable Induction Machines for Fixed Time-step Simulations. , 2021, , .		0
186	Average-Value Modeling of Multi-Phase Machine-Converter Systems with Asymmetric Internal Faults. , 2021, , .		0
187	Dynamic Performance Improvement of Brushless DC Motors Using a Hybrid MTPV/MTPA Control. , 2021, , .		0
188	Reconfigurable Star-Delta VBR Induction Machine Model for Predicting Soft-Starting Transients. , 2022, , .		0