

Feifei Bu

List of Publications by Year in descending order

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69
papers

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citations

471509

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69
docs citations

69
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Wide-Speed-Range-Operation Dual Stator-Winding Induction Generator DC Generating System for Wind Power Applications. IEEE Transactions on Power Electronics, 2015, 30, 561-573.	7.9	65
2	An Excitation-Capacitor-Optimized Dual Stator-Winding Induction Generator With the Static Excitation Controller for Wind Power Application. IEEE Transactions on Energy Conversion, 2011, 26, 122-131.	5.2	46
3	Control Strategy and Dynamic Performance of Dual Stator-Winding Induction Generator Variable Frequency AC Generating System With Inductive and Capacitive Loads. IEEE Transactions on Power Electronics, 2014, 29, 1681-1692.	7.9	42
4	A Stand-Alone Dual Stator-Winding Induction Generator Variable Frequency AC Power System. IEEE Transactions on Power Electronics, 2012, 27, 10-13.	7.9	41
5	Speed Ripple Reduction of Direct-Drive PMSM Servo System at Low-Speed Operation Using Virtual Cogging Torque Control Method. IEEE Transactions on Industrial Electronics, 2021, 68, 160-174.	7.9	37
6	Modeling and Optimization of a Tubular Permanent Magnet Linear Motor Using Transverse-Flux Flux-Reversal Topology. IEEE Transactions on Industry Applications, 2019, 55, 1382-1391.	4.9	33
7	Recent Advances and Developments in Dual Stator-Winding Induction Generator and System. IEEE Transactions on Energy Conversion, 2018, 33, 1431-1442.	5.2	30
8	Performance and Evaluation of Five-Phase Dual Random SVPWM Strategy With Optimized Probability Density Function. IEEE Transactions on Industrial Electronics, 2019, 66, 3323-3332.	7.9	29
9	An Integrated AC and DC Hybrid Generation System Using Dual-Stator-Winding Induction Generator With Static Excitation Controller. IEEE Transactions on Energy Conversion, 2012, 27, 810-812.	5.2	25
10	A Fault-Tolerant Induction Generator System Based on Instantaneous Torque Control (ITC). IEEE Transactions on Energy Conversion, 2010, 25, 412-421.	5.2	24
11	Parameter Design and Static Performance of Dual Stator-Winding Induction Generator Variable Frequency AC Generating System With Inductive and Capacitive Loads. IEEE Transactions on Industrial Electronics, 2014, 61, 3902-3914.	7.9	24
12	Control of Five-Phase Dual Stator-Winding Induction Generator With an Open Phase. IEEE Transactions on Industrial Electronics, 2019, 66, 696-706.	7.9	24
13	An Integrated Topology of Charger and Drive for Electric Buses. IEEE Transactions on Vehicular Technology, 2016, 65, 4471-4479.	6.3	21
14	Analysis, Comparison, and Discussion of Control Strategies for Dual Stator-Winding Induction Generator DC Generating System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 1007-1014.	5.4	21
15	Control Strategy for Five-Phase Dual-Stator Winding Induction Starter/Generator System. IEEE Transactions on Industrial Electronics, 2020, 67, 2607-2617.	7.9	21
16	Control and Performance of Five-Phase Dual Stator-Winding Induction Generator DC Generating System. IEEE Transactions on Industrial Electronics, 2017, 64, 5276-5285.	7.9	20
17	Induction-Machine-Based Starter/Generator Systems: Techniques, Developments, and Advances. IEEE Industrial Electronics Magazine, 2020, 14, 4-19.	2.6	18
18	Study and implementation of a control algorithm for wind turbine yaw control system. , 2009, , .		17

#	ARTICLE	IF	CITATIONS
19	Asymmetrical Operation Analysis for Dual Stator-Winding Induction Generator Variable Frequency AC Generating System With Unbalanced Loads. IEEE Transactions on Industrial Electronics, 2017, 64, 52-59.	7.9	17
20	Control-Winding Direct Power Control Strategy for Five-Phase Dual-Stator Winding Induction Generator DC Generating System. IEEE Transactions on Transportation Electrification, 2020, 6, 73-82.	7.8	15
21	Four-Degree-of-Freedom Overmodulation Strategy for Five-Phase Space Vector Pulsewidth Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1578-1590.	5.4	14
22	A PMSM rotor position estimation with low-cost Hall-effect sensors using improved PLL. , 2016, , .		10
23	Three-Phase Single-Stage AC-DC Converter Based on Magnetic-Combination Transformer With Power Factor Correction. IEEE Transactions on Industrial Electronics, 2016, 63, 7320-7327.	7.9	10
24	Analysis and Performance of Five-Phase Piecewise-Random-Switching-Frequency Space Vector Pulse Width Modulation. IEEE Transactions on Energy Conversion, 2021, 36, 2339-2347.	5.2	10
25	Calculation Model of Armature Reaction Magnetic Field of Interior Permanent Magnet Synchronous Motor With Segmented Skewed Poles. IEEE Transactions on Energy Conversion, 2022, 37, 1115-1123.	5.2	9
26	An indirect-field-oriented dual stator-winding induction generator for the wind power system applications. , 2009, , .		8
27	Control and Implementation of Dual-Stator-Winding Induction Generator for Variable Frequency AC-Generating System. Journal of Power Electronics, 2013, 13, 798-805.	1.5	8
28	A Vertical-Axis Off-Grid Squirrel-Cage Induction Generator Wind Power System. Energies, 2016, 9, 822.	3.1	8
29	Optimal-Third-Harmonic-Injection-Based Control for a Five-Phase Dual Stator-Winding Induction Generator DC Generating System. IEEE Transactions on Industrial Electronics, 2018, 65, 9124-9134.	7.9	8
30	Grid-Connected Dual Stator-Winding Induction Generator Wind Power System for Wide Wind Speed Ranges. Journal of Power Electronics, 2016, 16, 1455-1468.	1.5	8
31	Torque-Angle-Based Direct Torque Control for Interior Permanent-Magnet Synchronous Motor Drivers in Electric Vehicles. Journal of Power Electronics, 2013, 13, 964-974.	1.5	7
32	Analysis and optimization of a tubular permanent magnet linear motor using transverse-flux flux-reversal topology. , 2017, , .		6
33	Control Strategy of Self-Bearing Dual Stator Solid Rotor Axial Flux Induction Motor for Flywheel Energy Storage. , 2018, , .		6
34	Open-Circuit Radial Stray Magnetic Flux Density Based Noninvasive Diagnosis for Mixed Eccentricity Parameters of Interior Permanent Magnet Synchronous Motors in Electric Vehicles. IEEE Transactions on Industrial Electronics, 2023, 70, 1983-1992.	7.9	6
35	Modeling of five-phase dual stator-winding induction generator with third harmonic injection. , 2015, , .		5
36	Modeling and Static Analysis of Primary Consequent-Pole Tubular Transverse-Flux Flux-Reversal Linear Machine. Energies, 2017, 10, 1479.	3.1	5

#	ARTICLE	IF	CITATIONS
37	Structural Parameter Optimization to Reduce Cogging Torque of the Consequent Pole In-Wheel Motor. , 2018, , .		5
38	Adaptive Full-Order Observer for Induction Motor Based on Bilinear Transformation Method. , 2018, , .		5
39	Analysis of Spontaneous and Implicit Internal Self-Excitation in Aircraft Variable Frequency AC Power System Based on Dual-Stator Winding Induction Generator. IEEE Transactions on Industrial Electronics, 2022, 69, 6657-6667.	7.9	5
40	DC Voltage Balancing Strategy of a Bipolar-Output Active Rectifier for More Electric Aircraft Based on Zero Vector Redistribution. IEEE Access, 2021, 9, 139657-139667.	4.2	5
41	Implementation of random SVPWM strategy for three-phase voltage source inverter based on FPGA. , 2017, , .		4
42	Control strategy for five-phase dual stator-winding induction generator DC generating system. , 2015, , .		3
43	Control strategy of AC&DC hybrid generating system based on dual stator-winding induction generator for micro-grid application. , 2016, , .		3
44	Control strategy of AC&DC hybrid generating system based on dual stator-winding induction generator for micro-grid application. , 2016, , .		3
45	Analysis and performance of two dual random SVPWM for five-phase inverter. , 2017, , .		3
46	The magneto motive force of a novel dual stator-winding induction generator. , 2010, , .		2
47	Optimization Strategy of the Excitation Capacitor for the Dual Stator-winding Induction Generator System Applied in Wind Power Generation. , 2010, , .		2
48	An improved direct torque control method for PMSM. , 2014, , .		2
49	Improved quasi-Z-source dual-inverter for open-end winding induction motor drives. , 2015, , .		2
50	The reduction of zero-sequence voltage for open-end winding asynchronous motor driver with dual inverter. , 2017, , .		2
51	Improved Speed Synchronization Control Algorithm Based on Cross Coupling for Dual Servo Motors Control. , 2018, , .		2
52	Smart power flow node aimed at hybrid ac/dc power system for more electric aircraft. Electronics Letters, 2021, 57, 334-336.	1.0	2
53	An instantaneous slip frequency control strategy for the dual stator-winding induction generator variable frequency AC power system. , 2012, , .		1
54	Virtual Hall method for sensorless control of IPMSMs using high-frequency signal injection. Electronics Letters, 2013, 49, 1092-1094.	1.0	1

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55	Dead time influence and compensation of direct torque control. , 2014, , .		1
56	Optimized Parameter Selection Method of Driving Circuit for SiC MOSFET. , 2021, , .		1
57	Low-Speed Disturbance Suppression Strategy of Direct Drive Servo Motor Based on Combination of Sliding Mode Control and Disturbance Compensation. , 2021, , .		1
58	Harmonic magnetomotive force and static-dynamic characteristics of the 6/3-phase dual stator-winding induction generator. , 2009, , .		0
59	Optimal selection of excitation capacitor for 6/3-phase dual stator-winding induction generator with the static excitation controller applied in wind power. , 2010, , .		0
60	Dual-frequency SVPWM strategy for five-phase voltage source inverter. , 2015, , .		0
61	Asymmetrical model of DWIG for aircraft variable frequency AC generating system. , 2015, , .		0
62	Modeling and control of single-stage boost inverter for grid-connected PV system. , 2015, , .		0
63	Harmonic voltage control for five-phase induction generator system with direct torque control. , 2017, , .		0
64	Low-Cost (PM Less) Wide-Speed-Range-Operation Generators. , 0, , .		0
65	Comparison and Performance of Current Control Strategies for Dual Winding Induction Generator System. , 2020, , .		0
66	Parallel Operation Control Strategy of Dual Stator-Winding Induction Generator Systems. , 2021, , .		0
67	Multi Objective Optimization Design of Permanent Magnet Ring Torque Motor Based on Response Surface Method. , 2021, , .		0
68	Analysis of Short-Circuit Characteristics and the Design of a Novel Protection Circuit for SiC MOSFETs. , 2022, , .		0
69	Influence of Driving Circuit Parameters and Layout Compactness on the Optimum Selection of Gate-Source Voltage Test Point for SiC MOSFETs. , 2022, , .		0