Chang-Liang Xia

List of Publications by Year
in descending order

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Version: 2024-02-01

173 papers	6,239 citations	76196 40 h-index	79541 73 g-index
173 all docs	173 docs citations	173 times ranked	4544 citing authors

#	Article	IF	Citations
1	Topology Review and Derivation Methodology of Single-Phase Transformerless Photovoltaic Inverters for Leakage Current Suppression. IEEE Transactions on Industrial Electronics, 2015, 62, 4537-4551.	5.2	502
2	New Sliding-Mode Observer for Position Sensorless Control of Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2013, 60, 710-719.	5.2	459
3	A Simplified Finite-Control-Set Model-Predictive Control for Power Converters. IEEE Transactions on Industrial Informatics, 2014, 10, 991-1002.	7.2	292
4	Smooth Speed Control for Low-Speed High-Torque Permanent-Magnet Synchronous Motor Using Proportionalâ€“Integralâ€“Resonant Controller. IEEE Transactions on Industrial Electronics, 2015, 62, 2123-2134.	5.2	202
5	A New Approach of Minimizing Commutation Torque Ripple for Brushless DC Motor Based on DCâ€“DC Converter. IEEE Transactions on Industrial Electronics, 2010, 57, 3483-3490.	5.2	174
6	Torque Ripple Minimization of Predictive Torque Control for PMSM With Extended Control Set. IEEE Transactions on Industrial Electronics, 2017, 64, 6930-6939.	5.2	138
7	A Novel Direct Torque Control of Matrix Converter-Fed PMSM Drives Using Duty Cycle Control for Torque Ripple Reduction. IEEE Transactions on Industrial Electronics, 2014, 61, 2700-2713.	5.2	131
8	DCâ€“DC Boost Converter With a Wide Input Range and High Voltage Gain for Fuel Cell Vehicles. IEEE Transactions on Power Electronics, 2019, 34, 4100-4111.	5.4	124
9	Neutral-Point Potential Balancing of Three-Level Inverters in Direct-Driven Wind Energy Conversion System. IEEE Transactions on Energy Conversion, 2011, 26, 18-29.	3.7	120
10	A Neural-Network-Identifier and Fuzzy-Controller-Based Algorithm for Dynamic Decoupling Control of Permanent-Magnet Spherical Motor. IEEE Transactions on Industrial Electronics, 2010, 57, 2868-2878.	5.2	116
11	Implementation of Finite-State Model Predictive Control for Commutation Torque Ripple Minimization of Permanent-Magnet Brushless DC Motor. IEEE Transactions on Industrial Electronics, 2013, 60, 896-905.	5.2	108
12	Torque Ripple Reduction in Brushless DC Drives Based on Reference Current Optimization Using Integral Variable Structure Control. IEEE Transactions on Industrial Electronics, 2014, 61, 738-752.	5.2	107
13	Adjustable Proportional Hybrid SVPWM Strategy for Neutral-Point-Clamped Three-Level Inverters. IEEE Transactions on Industrial Electronics, 2013, 60, 4234-4242.	5.2	98
14	Disturbances Attenuation of Permanent Magnet Synchronous Motor Drives Using Cascaded Predictive-Integral-Resonant Controllers. IEEE Transactions on Power Electronics, 2018, 33, 1514-1527.	5.4	94
15	Predictive Current Control of Three-Phase Grid-Connected Converters With Constant Switching Frequency for Wind Energy Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 2451-2464.	5.2	93
16	Wide Input-Voltage Range Boost Three-Level DCâ€“DC Converter With Quasi-Z Source for Fuel Cell Vehicles. IEEE Transactions on Power Electronics, 2017, 32, 6728-6738.	5.4	92
17	A Control Strategy for Four-Switch Three-Phase Brushless DC Motor Using Single Current Sensor. IEEE Transactions on Industrial Electronics, 2009, 56, 2058-2066.	5.2	89
18	Predictive Direct Power Control for Three-Phase Grid-Connected Converters Without Sector Information and Voltage Vector Selection. IEEE Transactions on Power Electronics, 2014, 29, 5518-5531.	5.4	86

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19	3-D Magnetic Field and Torque Analysis of a Novel Halbach Array Permanent-Magnet Spherical Motor. IEEE Transactions on Magnetics, 2008, 44, 2016-2020.	1.2	83
20	Advanced Symmetrical Voltage Quadrupler Rectifiers for High Step-Up and High Output-Voltage Converters. IEEE Transactions on Power Electronics, 2013, 28, 1622-1631.	5.4	83
21	Speed Measurement Error Suppression for PMSM Control System Using Self-Adaption Kalman Observer. IEEE Transactions on Industrial Electronics, 2015, 62, 2753-2763.	5.2	83
22	Discontinuous Space Vector PWM Strategy of Neutral-Point-Clamped Three-Level Inverters for Output Current Ripple Reduction. IEEE Transactions on Power Electronics, 2017, 32, 5109-5121.	5.4	77
23	Commutation Torque Ripple Reduction Strategy of Z-Source Inverter Fed Brushless DC Motor. IEEE Transactions on Power Electronics, 2016, 31, 7677-7690.	5.4	74
24	Decoupling-Controlled Triport Composited DC/DC Converter for Multiple Energy Interface. IEEE Transactions on Industrial Electronics, 2015, 62, 4504-4513.	5.2	69
25	Hybrid Control Set-Model Predictive Control for Field-Oriented Control of VSI-PMSM. IEEE Transactions on Energy Conversion, 2016, 31, 1622-1633.	3.7	66
26	A Modified Double Vectors Model Predictive Torque Control of Permanent Magnet Synchronous Motor. IEEE Transactions on Power Electronics, 2019, 34, 11419-11428.	5.4	66
27	Online Multiparameter Identification of Surface-Mounted PMSM Considering Inverter Disturbance Voltage. IEEE Transactions on Energy Conversion, 2017, 32, 202-212.	3.7	64
28	Voltage Disturbance Rejection for Matrix Converter-Based PMSM Drive System Using Internal Model Control. IEEE Transactions on Industrial Electronics, 2012, 59, 361-372.	5.2	63
29	Synchronized Space-Vector PWM for Three-Level VSI With Lower Harmonic Distortion and Switching Frequency. IEEE Transactions on Power Electronics, 2016, 31, 6428-6441.	5.4	63
30	Direct Torque Control for VSI-PMSM Using Vector Evaluation Factor Table. IEEE Transactions on Industrial Electronics, 2016, 63, 4571-4583.	5.2	62
31	Inputâ€“Output Feedback Linearization and Speed Control of a Surface Permanent-Magnet Synchronous Wind Generator With the Boost-Chopper Converter. IEEE Transactions on Industrial Electronics, 2012, 59, 3489-3500.	5.2	60
32	Improved relative coupling control structure for multiâ€motor speed synchronous driving system. IET Electric Power Applications, 2016, 10, 451-457.	1.1	58
33	Cogging Torque Modeling and Analyzing for Surface-Mounted Permanent Magnet Machines With Auxiliary Slots. IEEE Transactions on Magnetics, 2013, 49, 5112-5123.	1.2	55
34	A Novel Direct Torque and Flux Control Method of Matrix Converter-Fed PMSM Drives. IEEE Transactions on Power Electronics, 2014, 29, 5417-5430.	5.4	51
35	A Torque Control Strategy for Torque Ripple Reduction of Brushless DC Motor With Nonideal Back Electromotive Force. IEEE Transactions on Industrial Electronics, 2017, 64, 4423-4433.	5.2	50
36	Z-Source Inverter-Based Approach to the Zero-Crossing Point Detection of Back EMF for Sensorless Brushless DC Motor. IEEE Transactions on Power Electronics, 2015, 30, 1488-1498.	5.4	49

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37	Research on Torque Calculation Method of Permanent-Magnet Spherical Motor Based on the Finite-Element Method. IEEE Transactions on Magnetics, 2009, 45, 2015-2022.	1.2	48
38	A Novel Current Predictive Control Based on Fuzzy Algorithm for PMSM. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 990-1001.	3.7	48
39	Modeling, Analyzing, and Parameter Design of the Magnetic Field of a Segmented Halbach Cylinder. IEEE Transactions on Magnetics, 2012, 48, 1890-1898.	1.2	45
40	Predictive Torque Control of Permanent Magnet Synchronous Motors Using Flux Vector. IEEE Transactions on Industry Applications, 2018, 54, 4437-4446.	3.3	43
41	Direct Torque Control for VSIâ€“PMSMs Using Four-Dimensional Switching-Table. IEEE Transactions on Power Electronics, 2016, 31, 5774-5785.	5.4	42
42	Novel Carrier-Based PWM Strategy With Zero-Sequence Voltage Injected for Three-Level NPC Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 1442-1451.	3.7	41
43	An Improved Control Strategy of Triple Line-Voltage Cascaded Voltage Source Converter Based on Proportionalâ€“Resonant Controller. IEEE Transactions on Industrial Electronics, 2013, 60, 2894-2908.	5.2	40
44	Theoretical Evaluation of Stability Improvement Brought by Resonant Current Loop for Paralleled LLC Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 4170-4180.	5.2	40
45	Flying-Capacitor-Based Hybrid LLC Converters With Input Voltage Autobalance Ability for High Voltage Applications. IEEE Transactions on Power Electronics, 2016, 31, 1908-1920.	5.4	39
46	A Method for the Suppression of Fluctuations in the Neutral-Point Potential of a Three-Level NPC Inverter With a Capacitor-Voltage Loop. IEEE Transactions on Power Electronics, 2017, 32, 825-836.	5.4	38
47	Modeling and Analyzing of Surface-Mounted Permanent-Magnet Synchronous Machines With Optimized Magnetic Pole Shape. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	37
48	Self-circulation cooling structure design of permanent magnet machines for electric vehicle. Applied Thermal Engineering, 2020, 165, 114593.	3.0	35
49	Modeling and Analyzing of Magnetic Field of Segmented Halbach Array Permanent Magnet Machine Considering Gap Between Segments. IEEE Transactions on Magnetics, 2014, 50, 1-9.	1.2	34
50	Steady-State Performance Improvement for LQR-Based PMSM Drives. IEEE Transactions on Power Electronics, 2018, 33, 10622-10632.	5.4	34
51	Speed control of brushless DC motor using genetic algorithm based fuzzy controller. , 0, , .		33
52	Commutation Torque Ripple Reduction of Brushless DC Motor in Braking Operation. IEEE Transactions on Power Electronics, 2018, 33, 1463-1475.	5.4	33
53	A Novel SVPWM Scheme for Field-Oriented Vector-Controlled PMSM Drive System Fed by Cascaded H-Bridge Inverter. IEEE Transactions on Power Electronics, 2021, 36, 8988-9000.	5.4	33
54	Direct torque control of matrix converterâ€fed permanent magnet synchronous motor drives based on master and slave vectors. IET Power Electronics, 2015, 8, 288-296.	1.5	32

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55	Robust adaptive cross-coupling position control of biaxial motion system. Science China Technological Sciences, 2016, 59, 680-688.	2.0	30
56	A hybrid analytical model for open-circuit field calculation of multilayer interior permanent magnet machines. Journal of Magnetism and Magnetic Materials, 2017, 435, 136-145.	1.0	30
57	Generalized Predictive Contour Control of the Biaxial Motion System. IEEE Transactions on Industrial Electronics, 2018, 65, 8488-8497.	5.2	30
58	Analytical Field Calculation and Analysis of Surface Inset Permanent Magnet Machines With High Saliency Ratio. IEEE Transactions on Magnetics, 2016, 52, 1-12.	1.2	29
59	Commutation Torque Ripple Suppression Strategy for Brushless DC Motors With a Novel Noninductive Boost Front End. IEEE Transactions on Power Electronics, 2018, 33, 4274-4284.	5.4	29
60	Chaotic Dynamics Characteristic Analysis for Matrix Converter. IEEE Transactions on Industrial Electronics, 2013, 60, 78-87.	5.2	28
61	Robust model predictive current control of gridâ€connected converter without alternating current voltage sensors. IET Power Electronics, 2014, 7, 2934-2944.	1.5	28
62	Optimal Designing of Permanent Magnet Cavity to Reduce Iron Loss of Interior Permanent Magnet Machine. IEEE Transactions on Magnetics, 2015, 51, 1-9.	1.2	28
63	A Method of Resolver-to-Digital Conversion Based on Square Wave Excitation. IEEE Transactions on Industrial Electronics, 2018, 65, 7211-7219.	5.2	28
64	A Position Sensorless Control Strategy for the BLDCM Based on a Flux-Linkage Function. IEEE Transactions on Industrial Electronics, 2019, 66, 2570-2579.	5.2	27
65	Single-Current-Sensor Control for PMSM Driven by Quasi-Z-Source Inverter. IEEE Transactions on Power Electronics, 2019, 34, 7013-7024.	5.4	27
66	Minimization of Additional High-Frequency Torque Ripple for Square-Wave Voltage Injection IPMSM Sensorless Drives. IEEE Transactions on Power Electronics, 2020, 35, 13345-13355.	5.4	27
67	Model Predictive Direct Duty-Cycle Control for PMSM Drive Systems With Variable Control Set. IEEE Transactions on Industrial Electronics, 2021, 68, 2976-2987.	5.2	26
68	Equivalent Switch Circuit Model and Proportional Resonant Control for Triple Line-Voltage Cascaded Voltage-Source Converter. IEEE Transactions on Power Electronics, 2013, 28, 2389-2401.	5.4	25
69	Suppression of common mode voltage for matrix converter based on improved double line voltage synthesis strategy. IET Power Electronics, 2014, 7, 1384-1395.	1.5	25
70	Twoâ€degreeâ€ofâ€freedom proportional integral speed control of electrical drives with Kalmanâ€filterâ€based speed estimation. IET Electric Power Applications, 2016, 10, 18-24.	1.1	25
71	Space-Vector Overmodulation Strategy for Ultrasparse Matrix Converter Based on the Maximum Output Voltage Vector. IEEE Transactions on Power Electronics, 2017, 32, 5388-5397.	5.4	25
72	Switching-Gain Adaptation Current Control for Brushless DC Motors. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	24

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73	Computationally efficient multiâ€step direct predictive torque control for surfaceâ€mounted permanent magnet synchronous motor. IET Electric Power Applications, 2017, 11, 805-814.	1.1	24
74	A Commutation Torque Ripple Suppression Strategy for Brushless DC Motor Based on Diode-Assisted Buckâ€“Boost Inverter. IEEE Transactions on Power Electronics, 2019, 34, 5594-5605.	5.4	24
75	A Novel Variable DC-Link Voltage Control Method for PMSM Driven by a Quasi-Z-Source Inverter. IEEE Transactions on Power Electronics, 2020, 35, 3878-3890.	5.4	24
76	An Accurate Virtual Signal Injection Control for IPMSM With Improved Torque Output and Widen Speed Region. IEEE Transactions on Power Electronics, 2021, 36, 1941-1953.	5.4	24
77	Proportional-Resonant Control of Doubly-Fed Induction Generator Wind Turbines for Low-Voltage Ride-Through Enhancement. Energies, 2012, 5, 4758-4778.	1.6	23
78	Design and Analysis of a Variable Arc Permanent Magnet Array for Spherical Motor. IEEE Transactions on Magnetics, 2013, 49, 1470-1478.	1.2	23
79	A Current Control Scheme of Brushless DC Motors Driven by Four-Switch Three-Phase Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 547-558.	3.7	22
80	Resolver-To-Digital Conversion Based on Acceleration-Compensated Angle Tracking Observer. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3494-3502.	2.4	22
81	Linear Quadratic Regulator Control for PMSM Drive Systems Using Nonlinear Disturbance Observer. IEEE Transactions on Power Electronics, 2020, 35, 5093-5101.	5.4	22
82	Accurate Analytical Method for Magnetic Field Calculation of Interior PM Motors. IEEE Transactions on Energy Conversion, 2021, 36, 325-337.	3.7	22
83	A Smooth Torque Control Strategy for Brushless DC Motor in Braking Operation. IEEE Transactions on Energy Conversion, 2018, 33, 1443-1452.	3.7	21
84	Improved equivalent magnetic network modeling for analyzing working points of PMs in interior permanent magnet machine. Journal of Magnetism and Magnetic Materials, 2018, 454, 39-50.	1.0	21
85	Three effective vectorsâ€based current control scheme for fourâ€switch threeâ€phase trapezoidal brushless DC motor. IET Electric Power Applications, 2013, 7, 566-574.	1.1	20
86	Predictive torque control for voltage source inverterâ€permanent magnet synchronous motor based on equal torque effect. IET Electric Power Applications, 2016, 10, 208-216.	1.1	20
87	Improved double line voltage synthesis of matrix converter for input current enhancement under unbalanced power supply. IET Power Electronics, 2013, 6, 798-808.	1.5	18
88	A Multimode Space Vector Overmodulation Strategy for Ultrasparse Matrix Converter With Improved Fundamental Voltage Transfer Ratio. IEEE Transactions on Power Electronics, 2018, 33, 6782-6793.	5.4	18
89	Precise Contour Control of Biaxial Motion System Based on MPC. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1711-1721.	3.7	17
90	Harmonic suppression modulation strategy for ultraâ€sparse matrix converter. IET Power Electronics, 2016, 9, 589-599.	1.5	16

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91	Analysis and Evaluation of Hybrid-Excited Doubly Salient Permanent Magnet Linear Machine With DC-Biased Armature Current. IEEE Transactions on Industry Applications, 2021, 57, 3666-3677.	3.3	16
92	Speed Control of Brushless DC Motor Based on Single Neuron PID and Wavelet Neural Network. , 2007, , .		15
93	Analytical Modeling and Analysis of Surface Mounted Permanent Magnet Machines With Skewed Slots. IEEE Transactions on Magnetics, 2015, 51, 1-8.	1.2	15
94	Torque ripple minimization of PMSM using PI type iterative learning control. , 2014, , .		14
95	Advanced Four-Pair Architecture With Input Current Balance Function for Power Over Ethernet (PoE) System. IEEE Transactions on Power Electronics, 2013, 28, 2343-2355.	5.4	13
96	Series IGBT Chopping Strategy to Reduce DC-Link Capacitance for Brushless DC Motor Drive System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1192-1204.	3.7	13
97	Finite set model predictive control method for quasiâ€Z source inverterâ€permanent magnet synchronous motor drive system. IET Electric Power Applications, 2019, 13, 302-309.	1.1	13
98	Braking Torque Control Strategy for Brushless DC Motor With a Noninductive Hybrid Energy Storage Topology. IEEE Transactions on Power Electronics, 2020, 35, 8417-8428.	5.4	13
99	An Improved Multimode Synchronized Space Vector Modulation Strategy for High-Power Medium-Voltage Three-Level Inverter. IEEE Transactions on Power Electronics, 2021, 36, 4686-4696.	5.4	13
100	Sensorless Control of Brushless DC Motor Based on Fuzzy Logic. , 2006, , .		12
101	Assessing the Growth and Future Prospect of Wind Power in China. , 2010, , .		12
102	Design and Analysis for Torque Ripple Reduction in Synchronous Reluctance Machine. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	12
103	Inductance Calculation of Interior Permanent Magnet Machines Considering Asymmetrical Saturation of the Bridge. IEEE Transactions on Magnetics, 2019, 55, 1-11.	1.2	12
104	Improved Model Predictive Control of Three-level Voltage Source Converter. Electric Power Components and Systems, 2014, 42, 1029-1038.	1.0	11
105	Harmonic Spectrum of Output Voltage for Space Vector-Modulated Matrix Converter Based on Triple Fourier Series. IEEE Transactions on Power Electronics, 2018, 33, 10646-10653.	5.4	11
106	Sensorless-MTPA Control of Permanent Magnet Synchronous Motor Based on an Adaptive Sliding Mode Observer. Energies, 2019, 12, 3773.	1.6	11
107	Simplified predictive torque control for permanent magnet synchronous motor with discrete duty cycle control. IET Electric Power Applications, 2019, 13, 294-301.	1.1	10
108	Variable structure control of BLDCM based on extended state observer. , 0, , .		9

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109	Control of Brushless DC Motor Using Fuzzy Set Based Immune Feedback PID Controller. , 2007, , .		9
110	A novel orientation measurement using optical sensor for spherical motor. Science China Technological Sciences, 2013, 56, 1330-1339.	2.0	9
111	Boost Three-Effective-Vector Current Control Scheme for a Brushless DC Motor With Novel Five-Switch Three-Phase Topology. IEEE Transactions on Power Electronics, 2014, 29, 6581-6592.	5.4	9
112	Direct selfâ€control strategy for brushless DC motor with reduced torque ripple. IET Electric Power Applications, 2018, 12, 398-404.	1.1	9
113	Adaptive PID control and on-line identification for switched reluctance motors based on BP neural network. , 0, , .		8
114	A dynamic decoupling control algorithm for Halbach array permanent magnet spherical motor based on computed torque method. , 2007, , .		8
115	Position servo control of brushless DC motor based on the second discrete filter. , 2007, , .		8
116	Optimal space vector pulse width modulation strategy of neutral point clamped threeâ€level inverter for output current ripple reduction. IET Power Electronics, 2017, 10, 1638-1646.	1.5	8
117	Robust Design and Analysis of Asymmetric-Excited Flux Reversal PM Linear Machine for Long-Stroke Direct Drive Propulsion. IEEE Transactions on Magnetics, 2021, 57, 1-4.	1.2	8
118	Adaptive PWM Speed Control for Switched Reluctance Motors Based on RBF Neural Network. , 2006, , .		7
119	Single Neural PID Control for Sensorless Switched Reluctance Motor Based on RBF Neural Network. , 2006, , .		7
120	Modeling of Switched Reluctance Motor Based on Pi-sigma Neural Network. , 2007, , .		7
121	Improved Double Line Voltage Synthesis Strategies of Matrix Converter for Input/Output Quality Enhancement. IEEE Transactions on Industrial Electronics, 2012, , 1-1.	5.2	7
122	A modified predictive control strategy of three-phase grid-connected converters with optimized action time sequence. Science China Technological Sciences, 2013, 56, 1017-1028.	2.0	7
123	Research on Linear Output Voltage Transfer Ratio for Ultrasparse Matrix Converter. IEEE Transactions on Power Electronics, 2016, 31, 1811-1815.	5.4	7
124	Ant Colony Algorithm Based Fuzzy Control for a Brushless DC Motor. , 2006, , .		6
125	Sensorless Position Control using Adaptive Wavelet Neural Network for PM BLDCM. , 2007, , .		6
126	Spherical harmonic analysis of a novel Halbach array PM spherical motor. , 2007, , .		6

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127	Analysis of Synchronous Generator Internal Faults Based on Fractal. , 2006, , .		5
128	Brushless DC motor sliding mode control with Kalman Filter. , 2008, , .		5
129	Direct power control for three-level PWM rectifier based on hysteresis strategy. Science China Technological Sciences, 2012, 55, 3019-3028.	2.0	5
130	End-effect of the permanent-magnet spherical motor and its influence on back-EMF characteristics. Science China Technological Sciences, 2012, 55, 206-212.	2.0	5
131	No-Tension Sensor Closed-Loop Control Method with Adaptive PI Parameters for Two-Motor Winding System. Mathematical Problems in Engineering, 2018, 2018, 1-14.	0.6	5
132	Harmonic Spectrum of Output Voltage for Space Vector Pulse Width Modulated Ultra Sparse Matrix Converter. Energies, 2018, 11, 390.	1.6	5
133	Supercapacitor/battery hybrid energy storage unit for brushless DC motor operation. IET Electric Power Applications, 2020, 14, 597-604.	1.1	5
134	The Torque Ripple Reduction in PMAREL Machine Using Time-Space Harmonics Analysis of Air-Gap Flux Density. IEEE Transactions on Industrial Electronics, 2022, 69, 2390-2401.	5.2	5
135	Study on the position identification of a Halbach array permanent magnet spherical motor. , 2007, , .		4
136	Brushless DC Motors Control Based on Smith Predictor Modified by Fuzzy-PI Controller. , 2008, , .		4
137	The speed-adjustment system of brushless DC motor based on grey PID. , 2008, , .		4
138	A current control algorithm based on variable current threshold for four-switch three-phase BLDCM using intelligent controller. , 2008, , .		4
139	Speed measurement algorithm for low speed permanent magnet synchronous motor based on overlapped measurement regions. , 2016, , .		4
140	Predictive control with optimal vector sequence for permanent magnet synchronous motors. Journal of Power Electronics, 2020, 20, 553-565.	0.9	4
141	Thermal analysis of the cooling system with the circulation between rotor holes of enclosed PMSMs based on modified models. Applied Thermal Engineering, 2022, 206, 118054.	3.0	4
142	GA-Based Adaptive Fuzzy Logic Controller for Switched Reluctance Motor Drive. , 2006, , .		3
143	Rotor Position Estimation for Switched Reluctance Motor Using Support Vector Machine. , 2007, , .		3
144	Adaptive Speed Control for Brushless DC Motors Based On Genetic Algorithm and RBF Neural Network. , 2007, , .		3

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145	Integrated control on wind turbine drive-train torque. , 2011, , .		3
146	Hybrid space vector PWM strategy for three-level NPC inverters with optimal extension mode. , 2014, , .		3
147	VSP predictive torque control of PMSM. IET Electric Power Applications, 2019, 13, 463-471.	1.1	3
148	Low-Speed Rotating Restart and Speed Recording for Free-Running Sensorless IPMSM Based on Ultrahigh Frequency Sinusoidal Wave Injection. IEEE Transactions on Power Electronics, 2022, 37, 15245-15259.	5.4	3
149	Torque characteristic investigation of a permanent magnet spherical motor. , 2007, , .		2
150	A new algorithm for dynamic decoupling control of HPMSM using fuzzy controllers. , 2008, , .		2
151	Flux linkage characteristic measurement and parameter identification based on hybrid genetic algorithm for switched reluctance motors. , 2008, , .		2
152	Self-regulating and self-evolving particle swarm optimizer. Engineering Optimization, 2015, 47, 129-147.	1.5	2
153	MTPA Control of Sensorless IPMSM Based on High Frequency Square-Wave Signal Injection. , 2019, , .		2
154	MPTC of NPâ€clamped threeâ€level inverterâ€fed permanentâ€magnet synchronous motor system for NP potential imbalance suppression. IET Electric Power Applications, 2020, 14, 658-667.	1.1	2
155	Hybrid Discontinuous Space Vector PWM Strategy for Three-Level Inverters under Two-phase Loads Condition. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	2
156	Study on driving circuit of the ultrasonic motor. , 0, , .		1
157	Research on the Perturbation Stability Margin when the Controller is Fixed. , 2006, , .		1
158	Study on independent blade pitch control for huge wind turbines. , 2011, , .		1
159	Torque control of permanent magnet synchronous motor using flux vector. , 2017, , .		1
160	An Improved Rotor Cooling Structure of IPMSM. , 2019, , .		1
161	Model predictive current control for multilevel CHBâ€PMSM system with lower calculation. IET Electric Power Applications, 2020, 14, 1089-1096.	1.1	1
162	Model Predictive Current Control With Variable Gain Adaptive Observer Based on Current Augmenter Prediction Model for IPMSM Drives. IEEE Transactions on Vehicular Technology, 2022, 71, 6131-6144.	3.9	1

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163	Analysis of saturated flow velocity and rotating speed in different shaped rotors on an ultrasonic motor driving fluid directly. , 0, , .		0
164	Theoretical analyses and experiments on ultrasonic motor driving fluid directly. , 0, , .		0
165	Theoretical and Experimental Study on Rotor Stability of Ultrasonic Motor Driving Fluid Directly. , 2006, , .		0
166	Adaptive Speed Control of PMSM Based on Wavelet Neural Network. , 2007, , .		0
167	Torque Ripple Minimization in a Sensorless Switched Reluctance Motor Based on Flexible Neural Networks. , 2007, , .		0
168	Current threshold on-line identification control theme based on intelligent controller for four-switch three-phase brushless DC motor. , 2008, , .		0
169	Sensorless control for brushless DC motor using support vector machine based on Particle swarm optimization. , 2009, , .		0
170	Field-Circuit Hybrid Method for Magnetic Actuator Using a Laminate Composite. IEEE Transactions on Magnetics, 2009, 45, 5315-5318.	1.2	0
171	Speed Estimation of Doubly-Fed Induction Generators Based on Active Disturbance Rejection Control. , 2010, , .		0
172	A sub-region based direct torque control method of matrix converter fed PMSM drive system. , 2016, , .		0
173	Split ratio-based performance analysis method of PM-assisted reluctance machine. International Journal of Applied Electromagnetics and Mechanics, 2020, 62, 737-761.	0.3	0