

Kyo-Beum Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Study and Handling Methods of Power IGBT Module Failures in Power Electronic Converter Systems. IEEE Transactions on Power Electronics, 2015, 30, 2517-2533.	7.9	537
2	Method for Detecting an Open-Switch Fault in a Grid-Connected NPC Inverter System. IEEE Transactions on Power Electronics, 2012, 27, 2726-2739.	7.9	253
3	New Modulation Techniques for a Leakage Current Reduction and a Neutral-Point Voltage Balance in Transformerless Photovoltaic Systems Using a Three-Level Inverter. IEEE Transactions on Power Electronics, 2014, 29, 1720-1732.	7.9	221
4	Reliability Improvement of a T-Type Three-Level Inverter With Fault-Tolerant Control Strategy. IEEE Transactions on Power Electronics, 2015, 30, 2660-2673.	7.9	219
5	Diagnosis and Tolerant Strategy of an Open-Switch Fault for T-Type Three-Level Inverter Systems. IEEE Transactions on Industry Applications, 2014, 50, 495-508.	4.9	195
6	Dynamic Performance Improvement of AC/DC Converter Using Model Predictive Direct Power Control With Finite Control Set. IEEE Transactions on Industrial Electronics, 2015, 62, 757-767.	7.9	183
7	Torque ripple reduction in DTC of induction motor driven by three-level inverter with low switching frequency. IEEE Transactions on Power Electronics, 2002, 17, 255-264.	7.9	168
8	Torque-Ripple Minimization and Fast Dynamic Scheme for Torque Predictive Control of Permanent-Magnet Synchronous Motors. IEEE Transactions on Power Electronics, 2015, 30, 2182-2190.	7.9	163
9	Fault Diagnosis of DC-Link Capacitors in Three-Phase AC/DC PWM Converters by Online Estimation of Equivalent Series Resistance. IEEE Transactions on Industrial Electronics, 2013, 60, 4118-4127.	7.9	154
10	Dual-T-Type Seven-Level Boost Active-Neutral-Point-Clamped Inverter. IEEE Transactions on Power Electronics, 2019, 34, 6031-6035.	7.9	150
11	Open-Circuit Fault Diagnosis and Fault-Tolerant Control for a Grid-Connected NPC Inverter. IEEE Transactions on Power Electronics, 2015, , 1-1.	7.9	141
12	Open-Switch Fault Detection Method of a Back-to-Back Converter Using NPC Topology for Wind Turbine Systems. IEEE Transactions on Industry Applications, 2015, 51, 325-335.	4.9	140
13	Simple Neutral-Point Voltage Control for Three-Level Inverters Using a Discontinuous Pulse Width Modulation. IEEE Transactions on Energy Conversion, 2013, 28, 434-443.	5.2	136
14	New Family of Boost Switched-Capacitor Seven-Level Inverters (BSC7LI). IEEE Transactions on Power Electronics, 2019, 34, 10471-10479.	7.9	132
15	An Open-Switch Fault Detection Method and Tolerance Controls Based on SVM in a Grid-Connected T-Type Rectifier With Unity Power Factor. IEEE Transactions on Industrial Electronics, 2014, 61, 7092-7104.	7.9	130
16	New Modulation Strategy to Balance the Neutral-Point Voltage for Three-Level Neutral-Clamped Inverter Systems. IEEE Transactions on Energy Conversion, 2014, 29, 91-100.	5.2	127
17	Sensorless DTC-SVM for Induction Motor Driven by a Matrix Converter Using a Parameter Estimation Strategy. IEEE Transactions on Industrial Electronics, 2008, 55, 512-521.	7.9	122
18	A Modified Level-Shifted PWM Strategy for Fault-Tolerant Cascaded Multilevel Inverters With Improved Power Distribution. IEEE Transactions on Industrial Electronics, 2016, 63, 7264-7274.	7.9	115

#	ARTICLE	IF	CITATIONS
19	A Novel Carrier-Based PWM Method for Vienna Rectifier With a Variable Power Factor. IEEE Transactions on Industrial Electronics, 2016, 63, 3-12.	7.9	104
20	Performance Improvement of LCL-Filter-Based Grid-Connected Inverters Using PQR Power Transformation. IEEE Transactions on Power Electronics, 2010, 25, 1320-1330.	7.9	100
21	Carrier-Based Discontinuous PWM Method for Vienna Rectifiers. IEEE Transactions on Power Electronics, 2015, 30, 2896-2900.	7.9	100
22	Novel Discontinuous PWM Method of a Three-Level Inverter for Neutral-Point Voltage Ripple Reduction. IEEE Transactions on Industrial Electronics, 2016, 63, 3344-3354.	7.9	95
23	Novel Active-Neutral-Point-Clamped Inverters With Improved Voltage-Boosting Capability. IEEE Transactions on Power Electronics, 2020, 35, 5978-5986.	7.9	91
24	Open-Switch Fault Tolerance Control for a Three-Level NPC/T-Type Rectifier in Wind Turbine Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 1012-1021.	7.9	87
25	Virtual-Flux-Based Predictive Direct Power Control of Three-Phase PWM Rectifiers With Fast Dynamic Response. IEEE Transactions on Power Electronics, 2016, 31, 3348-3359.	7.9	87
26	Improvement of low-speed operation performance of DTC for three-level inverter-fed induction motors. IEEE Transactions on Industrial Electronics, 2001, 48, 1006-1014.	7.9	85
27	Time-Offset Injection Method for Neutral-Point AC Ripple Voltage Reduction in a Three-Level Inverter. IEEE Transactions on Power Electronics, 2016, 31, 1931-1941.	7.9	85
28	Modulation Technique for Single-Phase Transformerless Photovoltaic Inverters With Reactive Power Capability. IEEE Transactions on Industrial Electronics, 2017, 64, 6989-6999.	7.9	83
29	Diagnosis and Fault-Tolerant Control of Three-Phase AC-DC PWM Converter Systems. IEEE Transactions on Industry Applications, 2013, 49, 1539-1547.	4.9	81
30	Performance Analysis of Carrier-Based Discontinuous PWM Method for Vienna Rectifiers With Neutral-Point Voltage Balance. IEEE Transactions on Power Electronics, 2016, 31, 4075-4084.	7.9	80
31	Predictive Control of Vienna Rectifiers for PMSG Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 2580-2591.	7.9	77
32	Control Strategy of Two Capacitor Voltages for Separate MPPTs in Photovoltaic Systems Using Neutral-Point-Clamped Inverters. IEEE Transactions on Industry Applications, 2015, 51, 3295-3303.	4.9	76
33	An Improved Finite-Set Model Predictive Control Based on Discrete Space Vector Modulation Methods for Grid-Connected Three-Level Voltage Source Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1744-1760.	5.4	74
34	An Improved DTC-SVM Method for Sensorless Matrix Converter Drives Using an Overmodulation Strategy and a Simple Nonlinearity Compensation. IEEE Transactions on Industrial Electronics, 2007, 54, 3155-3166.	7.9	73
35	An Improved Maximum Power Point Tracking Method for Wind Power Systems. Energies, 2012, 5, 1339-1354.	3.1	71
36	Soft-Switched Interleaved Boost Converters for High Step-Up and High-Power Applications. IEEE Transactions on Power Electronics, 2011, 26, 2906-2914.	7.9	68

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37	Improved Switched-Capacitor Integrated Multilevel Inverter With a DC Source String. IEEE Transactions on Industry Applications, 2019, 55, 7368-7376.	4.9	66
38	Reliability Improvement Technology for Power Converters. Power Systems, 2017, , .	0.5	64
39	Improving Output Performance of a Z-Source Sparse Matrix Converter Under Unbalanced Input-Voltage Conditions. IEEE Transactions on Power Electronics, 2012, 27, 2043-2054.	7.9	62
40	Predictive Control With Discrete Space-Vector Modulation of Vienna Rectifier for Driving PMSG of Wind Turbine Systems. IEEE Transactions on Power Electronics, 2019, 34, 12368-12383.	7.9	62
41	Diagnosis Methods for IGBT Open Switch Fault Applied to 3-Phase AC/DC PWM Converter. Journal of Power Electronics, 2012, 12, 120-127.	1.5	62
42	Singularity-Free Adaptive Speed Tracking Control for Uncertain Permanent Magnet Synchronous Motor. IEEE Transactions on Power Electronics, 2016, 31, 1692-1701.	7.9	60
43	A Robust Deadbeat Finite Set Model Predictive Current Control Based on Discrete Space Vector Modulation for a Grid-Connected Voltage Source Inverter. IEEE Transactions on Energy Conversion, 2018, 33, 1719-1728.	5.2	60
44	Torque-Ripple Reduction and Fast Torque Response Strategy for Predictive Torque Control of Induction Motors. IEEE Transactions on Power Electronics, 2018, 33, 2458-2470.	7.9	60
45	Reduced-order extended luenberger observer based sensorless vector control driven by matrix converter with nonlinearity compensation. IEEE Transactions on Industrial Electronics, 2006, 53, 66-75.	7.9	59
46	Finite-Control Set Model Predictive Control Method for Torque Control of Induction Motors Using a State Tracking Cost Index. IEEE Transactions on Industrial Electronics, 2017, 64, 1916-1928.	7.9	58
47	Dynamic Hysteresis Torque Band for Improving the Performance of Lookup-Table-Based DTC of Induction Machines. IEEE Transactions on Power Electronics, 2018, 33, 7959-7970.	7.9	56
48	Space vector modulation strategy for neutral-point voltage balancing in three-level inverter systems. IET Power Electronics, 2013, 6, 1390-1398.	2.1	55
49	Offset-Free Model Predictive Control for the Power Control of Three-Phase AC/DC Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 7114-7126.	7.9	55
50	Method to Minimize the Low-Frequency Neutral-Point Voltage Oscillations With Time-Offset Injection for Neutral-Point-Clamped Inverters. IEEE Transactions on Industry Applications, 2015, 51, 1678-1691.	4.9	54
51	Open-Circuit Fault-Tolerant Control for Outer Switches of Three-Level Rectifiers in Wind Turbine Systems. IEEE Transactions on Power Electronics, 2016, 31, 3806-3815.	7.9	54
52	Robust Feedback-Linearizing Output Voltage Regulator for DC/DC Boost Converter. IEEE Transactions on Industrial Electronics, 2015, 62, 7127-7135.	7.9	52
53	Tolerant Control for Power Transistor Faults in Switched Reluctance Motor Drives. IEEE Transactions on Industry Applications, 2015, 51, 3187-3197.	4.9	52
54	Comparison of Tolerance Controls for Open-Switch Fault in a Grid-Connected T-Type Rectifier. IEEE Transactions on Power Electronics, 2015, 30, 5810-5820.	7.9	51

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55	Robust and Stable Disturbance Observer of Servo System for Low-Speed Operation. IEEE Transactions on Industry Applications, 2007, 43, 627-635.	4.9	50
56	Variable Structure Control of the Active and Reactive Powers for a DFIG in Wind Turbines. IEEE Transactions on Industry Applications, 2010, 46, 2545-2555.	4.9	50
57	Predictive Control Algorithm Including Conduction-Mode Detection for PFC Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 5900-5911.	7.9	48
58	Detecting Open-Switch Faults: Using Asymmetric Zero-Voltage Switching States. IEEE Industry Applications Magazine, 2016, 22, 27-37.	0.4	48
59	Novel Discontinuous PWM Method for a Single-Phase Three-Level Neutral Point Clamped Inverter With Efficiency Improvement and Harmonic Reduction. IEEE Transactions on Power Electronics, 2018, 33, 9253-9266.	7.9	46
60	Dual-T-Type Five-Level Cascaded Multilevel Inverter With Double Voltage Boosting Gain. IEEE Transactions on Power Electronics, 2020, 35, 9522-9529.	7.9	44
61	Fault Diagnosis of a Voltage-Fed PWM Inverter for a Three-parallel Power Conversion System in a Wind Turbine. Journal of Power Electronics, 2010, 10, 686-693.	1.5	43
62	On-line Parameter Estimation of Interior Permanent Magnet Synchronous Motor using an Extended Kalman Filter. Journal of Electrical Engineering and Technology, 2014, 9, 600-608.	2.0	42
63	Second-Order Harmonic Reduction Technique for Photovoltaic Power Conditioning Systems Using a Proportional-Resonant Controller. Energies, 2013, 6, 79-96.	3.1	40
64	DC-Link Capacitor-Current Ripple Reduction in DPWM-Based Back-to-Back Converters. IEEE Transactions on Industrial Electronics, 2018, 65, 1897-1907.	7.9	39
65	Performance Improvement of DTC for Induction Motor-Fed by Three-Level Inverter With an Uncertainty Observer Using RBFN. IEEE Transactions on Energy Conversion, 2005, 20, 276-283.	5.2	38
66	Combination Analysis and Switching Method of a Cascaded H-Bridge Multilevel Inverter Based on Transformers With the Different Turns Ratio for Increasing the Voltage Level. IEEE Transactions on Industrial Electronics, 2018, 65, 4454-4465.	7.9	38
67	Hybrid 7-Level Boost Active-Neutral-Point- Clamped (H-7L-BANPC) Inverter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2044-2048.	3.0	38
68	Indirect Matrix Converter for Hybrid Electric Vehicle Application with Three-Phase and Single-Phase Outputs. Energies, 2015, 8, 3849-3866.	3.1	37
69	DC-Link Ripple Current Reduction Method for Three-Level Inverters With Optimal Switching Pattern. IEEE Transactions on Industrial Electronics, 2018, 65, 9204-9214.	7.9	37
70	Advanced Speed Control for a Five-Leg Inverter Driving a Dual-Induction Motor System. IEEE Transactions on Industrial Electronics, 2019, 66, 707-716.	7.9	37
71	Speed-Sensorless DTC-SVM for Matrix Converter Drives With Simple Nonlinearity Compensation. IEEE Transactions on Industry Applications, 2007, 43, 1639-1649.	4.9	36
72	Neutral-Point Voltage Balancing Method for Three-Level Inverter Systems with a Time-Offset Estimation Scheme. Journal of Power Electronics, 2013, 13, 243-249.	1.5	36

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73	Improved Sensorless Vector Control for Induction Motor Drives Fed by a Matrix Converter Using Nonlinear Modeling and Disturbance Observer. IEEE Transactions on Energy Conversion, 2006, 21, 52-59.	5.2	35
74	Self-Tuning Adaptive Speed Controller for Permanent Magnet Synchronous Motor. IEEE Transactions on Power Electronics, 2017, 32, 1493-1506.	7.9	34
75	Switched-Capacitor-Based Modular T-Type Inverter. IEEE Transactions on Industrial Electronics, 2021, 68, 5725-5732.	7.9	34
76	Simple Power Control for Sensorless Induction Motor Drives Fed by a Matrix Converter. IEEE Transactions on Energy Conversion, 2008, 23, 781-788.	5.2	32
77	Torque Ripple Minimization Scheme Using Torque Sharing Function Based Fuzzy Logic Control for a Switched Reluctance Motor. Journal of Electrical Engineering and Technology, 2015, 10, 118-127.	2.0	32
78	Low-cost and energy-efficient asymmetric nickel electrode for alkaline water electrolysis. International Journal of Hydrogen Energy, 2015, 40, 10720-10725.	7.1	31
79	Fault Detection Method Using a Convolution Neural Network for Hybrid Active Neutral-Point Clamped Inverters. IEEE Access, 2020, 8, 140632-140642.	4.2	31
80	Improving DC-Link Capacitor Lifetime for Three-Level Photovoltaic Hybrid Active NPC Inverters in Full Modulation Index Range. IEEE Transactions on Power Electronics, 2021, 36, 5250-5261.	7.9	31
81	An Improved Rotating Restart Method for a Sensorless Permanent Magnet Synchronous Motor Drive System Using Repetitive Zero Voltage Vectors. IEEE Transactions on Industrial Electronics, 2020, 67, 3496-3504.	7.9	30
82	A Novel Boost Cascaded Multilevel Inverter. IEEE Transactions on Industrial Electronics, 2021, 68, 8072-8080.	7.9	30
83	Hybrid Modulation Scheme for Switching Loss Reduction in a Modular Multilevel High-Voltage Direct Current Converter. IEEE Transactions on Power Electronics, 2019, 34, 3178-3191.	7.9	29
84	Simple Capacitor Voltage Balancing for Three-Level NPC Inverter Using Discontinuous PWM Method With Hysteresis Neutral-Point Error Band. IEEE Transactions on Power Electronics, 2021, 36, 12490-12503.	7.9	29
85	A Nonlinearity Compensation Method for a Matrix Converter Drive. IEEE Power Electronics Letters, 2005, 3, 19-23.	0.7	28
86	Fast Torque Control and Minimized Sector-Flux Droop for Constant Frequency Torque Controller Based DTC of Induction Machines. IEEE Transactions on Power Electronics, 2019, 34, 12141-12153.	7.9	28
87	Optimal design of a 1ÂkW switched reluctance generator for wind power systems using a genetic algorithm. IET Electric Power Applications, 2016, 10, 807-817.	1.8	27
88	Low-Voltage Ride-Through Control Strategy for a Grid-Connected Energy Storage System. Applied Sciences (Switzerland), 2018, 8, 57.	2.5	27
89	Modified Phase-Shifted PWM Scheme for Reliability Improvement in Cascaded H-Bridge Multilevel Inverters. IEEE Access, 2020, 8, 78130-78139.	4.2	27
90	Multi Open-/Short-Circuit Fault-Tolerance Using Modified SVM Technique for Three-Level HANPC Converters. IEEE Transactions on Power Electronics, 2021, 36, 13621-13633.	7.9	24

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91	Enhanced Performance of Constant Frequency Torque Controller-Based Direct Torque Control of Induction Machines with Increased Torque-Loop Bandwidth. IEEE Transactions on Industrial Electronics, 2020, 67, 10168-10179.	7.9	23
92	Switched-Capacitor-Based Five-Level T-Type Inverter (SC-5TI) With Soft-Charging and Enhanced DC-Link Voltage Utilization. IEEE Transactions on Power Electronics, 2021, 36, 13958-13967.	7.9	23
93	An Improved Control Method for a DFIG in a Wind Turbine under an Unbalanced Grid Voltage Condition. Journal of Electrical Engineering and Technology, 2010, 5, 614-622.	2.0	23
94	Hardware Simulator Development for a 3-Parallel Grid-Connected PMSG Wind Power System. Journal of Power Electronics, 2010, 10, 555-562.	1.5	23
95	Predictive Torque Control With Simple Duty-Ratio Regulator of PMSM for Minimizing Torque and Flux Ripples. IEEE Access, 2020, 8, 2373-2381.	4.2	22
96	Fault Diagnosis and Fault-Tolerant Control of Megawatt Power Electronic Converter-Fed Large-Rated Asynchronous Hydrogenerator. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2403-2416.	5.4	21
97	Sinusoidal Harmonic Voltage Injection PWM Method for Vienna Rectifier With an LCL Filter. IEEE Transactions on Power Electronics, 2021, 36, 2875-2888.	7.9	21
98	Direct Power Control of Three-Phase Boost Rectifiers by using a Sliding-Mode Scheme. Journal of Power Electronics, 2013, 13, 1000-1007.	1.5	20
99	A detection method for an open-switch fault in cascaded H-bridge multilevel inverters. , 2014, , .		20
100	An improved phase-shifted PWM method for a three-phase cascaded H-bridge multi-level inverter. , 2017, , .		20
101	Constant Speed Control of a Permanent-Magnet Synchronous Motor Using a Reverse Matrix Converter Under Variable Generator Input Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 315-326.	5.4	20
102	Design of an LCL-Filter for Three-Parallel Operation of Power Converters in Wind Turbines. Journal of Power Electronics, 2013, 13, 437-446.	1.5	19
103	A Unidirectional Voltage Vector Preselection Strategy for Optimizing Model Predictive Torque Control With Discrete Space Vector Modulation of IPMSM. IEEE Transactions on Industrial Electronics, 2022, 69, 12305-12315.	7.9	19
104	Output Current Ripple Reduction Algorithms for Home Energy Storage Systems. Energies, 2013, 6, 5552-5569.	3.1	18
105	Fault-tolerant strategy using neutral-shift method for cascaded multilevel inverters based on level-shifted PWM. , 2015, , .		18
106	MPC-SVM method for Vienna rectifier with PMSG used in Wind Turbine Systems. , 2016, , .		18
107	Fault Diagnosis of Open-Switch Failure in a Grid-Connected Three-Level Si/SiC Hybrid ANPC Inverter. Electronics (Switzerland), 2020, 9, 399.	3.1	18
108	An Improved PWM Technique to Achieve Continuous Input Current in Common-Ground Transformerless Boost Inverter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3133-3136.	3.0	18

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109	Active Damping for Wind Power Systems with LCL Filters Using a DFT. <i>Journal of Power Electronics</i> , 2012, 12, 326-332.	1.5	18
110	Tolerance Control for the Inner Open-Switch Faults of a T-Type Three-Level Rectifier. <i>Journal of Power Electronics</i> , 2014, 14, 1157-1165.	1.5	18
111	Adaptive output voltage tracking controller for uncertain DC/DC boost converter. <i>International Journal of Electronics</i> , 2016, 103, 1002-1017.	1.4	17
112	Improving Line Current Distortion in Single-Phase Vienna Rectifiers Using Model-Based Predictive Control. <i>Energies</i> , 2018, 11, 1237.	3.1	17
113	Control Method for Phase-Shift Full-Bridge Center-Tapped Converters Using a Hybrid Fuzzy Sliding Mode Controller. <i>Electronics (Switzerland)</i> , 2019, 8, 705.	3.1	17
114	An Improved Phase-Shifted DPWM Method for Reducing Switching Loss and Thermal Balancing in Cascaded H-Bridge Multilevel Inverter. <i>IEEE Access</i> , 2020, 8, 187072-187083.	4.2	17
115	Fault Tolerant Control of DC-Link Voltage Sensor for Three-Phase AC/DC/AC PWM Converters. <i>Journal of Power Electronics</i> , 2014, 14, 695-703.	1.5	17
116	Wide-Range Sensorless Control for SPMSM Using an Improved Full-Order Flux Observer. <i>Journal of Power Electronics</i> , 2015, 15, 721-729.	1.5	17
117	An Improvement of Speed Control Performances of a Two-Mass System using a Universal Approximator. <i>Electrical Engineering</i> , 2007, 89, 389-396.	2.0	16
118	A Non-Unity Torque Sharing Function for Torque Ripple Minimization of Switched Reluctance Generators in Wind Power Systems. <i>Energies</i> , 2015, 8, 11685-11701.	3.1	16
119	Novel switching method for single-phase NPC three-level inverter with neutral-point voltage control. <i>International Journal of Electronics</i> , 2018, 105, 303-323.	1.4	16
120	Simple Estimation Scheme for Initial Rotor Position and Inductances for Effective MTPA-Operation in Wind-Power Systems using an IPMSM. <i>Journal of Power Electronics</i> , 2010, 10, 396-404.	1.5	16
121	Condition Monitoring of Lithium Polymer Batteries Based on a Sigma-Point Kalman Filter. <i>Journal of Power Electronics</i> , 2012, 12, 778-786.	1.5	16
122	Open-switch fault detection method of an NPC converter for wind turbine systems. , 2013, , .		15
123	Torque Ripple Reduction and Flux-Droop Minimization of DTC With Improved Interleaving CSFTC of IM Fed by Three-Level NPC Inverter. <i>IEEE Access</i> , 2019, 7, 184266-184275.	4.2	15
124	Four-Level Hysteresis-Based DTC for Torque Capability Improvement of IPMSM Fed by Three-Level NPC Inverter. <i>Electronics (Switzerland)</i> , 2020, 9, 1558.	3.1	15
125	Stability Improvement of Distributed Power Generation Systems with an LCL-Filter Using Gain Scheduling Based on Grid Impedance Estimations. <i>Journal of Power Electronics</i> , 2011, 11, 599-605.	1.5	14
126	Current Sensorless MPPT Control Method for Dual-Mode PV Module-Type Interleaved Flyback Inverters. <i>Journal of Power Electronics</i> , 2015, 15, 54-64.	1.5	14

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127	The design of an LCL-filter for the three-parallel operation of a power converter in a wind turbine. , 2010, , .		13
128	Detection method of an open-switch fault and fault-tolerant strategy for a grid-connected T-type three-level inverter system. , 2012, , .		13
129	Design and Control of Small DC-Link Capacitor-Based Three-Level Inverter with Neutral-Point Voltage Balancing. Energies, 2018, 11, 1435.	3.1	13
130	Improved Transient-Based Overmodulation Method for Increased Torque Capability of Direct Torque Control With Constant Torque-Switching Regulator of Induction Machines. IEEE Transactions on Power Electronics, 2020, 35, 3928-3938.	7.9	13
131	Performance Improvement of Grid-Connected Inverter Systems under Unbalanced and Distorted Grid Voltage by Using a PR Controller. Journal of Electrical Engineering and Technology, 2012, 7, 918-925.	2.0	13
132	Reduction of Current Ripples due to Current Measurement Errors in a Doubly Fed Induction Generator. Journal of Power Electronics, 2010, 10, 313-319.	1.5	13
133	Dual-Carrier-Based PWM Method for DC-Link Capacitor Lifetime Extension in Three-Level Hybrid ANPC Inverters. IEEE Transactions on Industrial Electronics, 2023, 70, 3303-3314.	7.9	13
134	A two-stage bidirectional DC/DC converter with SiC-MOSFET for vehicle-to-grid (V2G) application. , 2017, , .		12
135	Fault-tolerant control scheme for modular multilevel converter based on sorting algorithm without reserved submodules. , 2018, , .		12
136	Impact of Observability and Multi-objective Optimization on the Performance of Extended Kalman Filter for DTC of AC Machines. Journal of Electrical Engineering and Technology, 2019, 14, 231-242.	2.0	12
137	A 2ndOrder Harmonic Compensation Method for Wind Power System Using a PR Controller. Journal of Electrical Engineering and Technology, 2013, 8, 507-515.	2.0	12
138	High Performance Current Controller for Sparse Matrix Converter Based on Model Predictive Control. Journal of Electrical Engineering and Technology, 2013, 8, 1138-1145.	2.0	12
139	A Z-source sparse matrix converter with a fuzzy logic controller based compensation method under abnormal input voltage conditions. , 2010, , .		11
140	A control scheme to fulfill the grid-code under various fault conditions in the grid-connected wind turbines. Electrical Engineering, 2014, 96, 199-210.	2.0	11
141	Robust speed control algorithm with disturbance observer for uncertain PMSM. International Journal of Electronics, 2018, 105, 1300-1318.	1.4	11
142	A Dead-Beat Control for Bridgeless Inverter Systems to Reduce the Distortion of Grid Current. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 151-164.	5.4	11
143	A Modified Flux Regulation Method to Minimize Switching Frequency and Improve DTC-Hysteresis-Based Induction Machines in Low-Speed Regions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2346-2355.	5.4	11
144	Low-Speed Performance Improvement of Direct Torque Control for Induction Motor Drives Fed by Three-Level NPC Inverter. Electronics (Switzerland), 2020, 9, 77.	3.1	11

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145	Optimized Space-Vector Modulation to Reduce Neutral Point Current for Extending Capacitor Lifetime in Three-Level Inverters. IEEE Access, 2020, 8, 97689-97697.	4.2	11
146	A Controller Design for a Stability Improvement of an On-Board Battery Charger. Journal of Electrical Engineering and Technology, 2013, 8, 951-958.	2.0	11
147	A Simple Strategy for Sensorless Speed Control for an IPMSM During Startup and Over Wide Speed Range. Journal of Electrical Engineering and Technology, 2014, 9, 1582-1591.	2.0	11
148	An inertia identification using ROELO for low speed control of electric machine. , 0, , .		10
149	Balanced Current Control Strategy for Current Source Rectifier Stage of Indirect Matrix Converter under Unbalanced Grid Voltage Conditions. Energies, 2017, 10, 27.	3.1	10
150	A New Unity-Gain 5-Level Active Neutral-Point-Clamped (UG-5L-ANPC) Inverter. , 2019, , .		10
151	Multiple-Fault-Tolerant Strategy for Three-Phase Hybrid Active Neutral Point Clamped Converters Using Enhanced Space Vector Modulation Technique. IEEE Access, 2020, 8, 180113-180123.	4.2	10
152	Open-Circuit Fault Tolerance Method for Three-Level Hybrid Active Neutral Point Clamped Converters. Electronics (Switzerland), 2020, 9, 1535.	3.1	10
153	Performance improvement of cascaded H-bridge multilevel inverters with modified modulation scheme. Journal of Power Electronics, 2021, 21, 541-552.	1.5	10
154	Bearing Fault Detection of IPMSMs using Zoom FFT. Journal of Electrical Engineering and Technology, 2016, 11, 1235-1241.	2.0	10
155	Scheme to Improve the Line Current Distortion of PFC Using a Predictive Control Algorithm. Journal of Power Electronics, 2015, 15, 1168-1177.	1.5	10
156	A carrier-based PWM method for neutral-point ripple reduction of a 3-level inverter. , 2014, , .		9
157	A fault detection method in cascaded H-bridge multilevel inverter. , 2016, , .		9
158	Line current improvement of three-phase four-wire vienna rectifier using dead-beat control. , 2017, , .		9
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