

Keiji Wada

List of Publications by Year in descending order

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535685

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all docs

200
docs citations

200
times ranked

1326
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Speed Searching of Optimum Switching Pattern for Digital Active Gate Drive to Adapt to Various Load Conditions. IEEE Transactions on Industrial Electronics, 2022, 69, 5185-5194.	5.2	8
2	An Optimization Method of a Digital Active Gate Driver Under Continuous Switching Operation Being Capable of Suppressing Surge Voltage and Power Loss in PWM Inverters. IEEE Transactions on Industry Applications, 2022, 58, 481-493.	3.3	5
3	Expanding Exposure Area Based on Two-Winding Inductor for Magnetic Field Generator to Evaluate Biological Effects. IEJ Transactions on Industry Applications, 2022, 142, 95-103.	0.1	0
4	Paralleled SiC MOSFETs DC Circuit Breaker with SiC MPS Diode as Avalanche Voltage Clamping. , 2022, , .		6
5	Equalization of DC and Surge Components of Drain Current of Two Parallel-Connected SiC MOSFETs Using Single-Input Dual-Output Digital Gate Driver IC. , 2022, , .		9
6	Gate Drive Circuit with Input Capacitance <i>C</i><sub>iss</sub> Measurement Function for the Condition Monitoring of Power Devices. IEJ Transactions on Industry Applications, 2022, 142, 471-479.	0.1	0
7	Influence of PCB Stray Inductance and Drive Conditions of Cascode Type Power Device on a Versatile Package. IEJ Transactions on Industry Applications, 2022, 142, 454-462.	0.1	0
8	Experimental platform for Ethernet communication failures caused by conducted noise from power conversion circuits. IEICE Communications Express, 2022, 11, 566-570.	0.2	0
9	Fabrication Aspects and Switching Performance of a Self-Sensing 800 V SiC Circuit Breaker Device. , 2022, , .		1
10	Improvement of Characteristics in CRM-PFC Using a Control Method based on Switching Frequency Limitation. , 2022, , .		1
11	An Investigation of a Power Module for Multiple Series-Connected Si-MOSFETs Realizing Voltage Balance by a Fully Digital Active Gate Control. , 2022, , .		0
12	Control of Alternating Magnetic Field Distribution Using Twin Coils and Dual-Voltage Source Inverters to Realize High-Performance Biological Evaluation. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	3
13	No evidence for genotoxicity in mice due to exposure to intermediate-frequency magnetic fields used for wireless power-transfer systems. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2021, 863-864, 503310.	0.9	3
14	Gate Drive Circuit Using SAW Filter Capable of Power and Signal Transmissions. IEJ Transactions on Industry Applications, 2021, 141, 324-329.	0.1	0
15	Design of a Laminated Bus Bar Optimizing the Surge Voltage, Damped Oscillation, and Switching Loss. IEEE Transactions on Industry Applications, 2021, 57, 2737-2745.	3.3	7
16	Failure Protection Method for CAN Communication Against EMI Noise Generated by Switched-Mode Power Supplies. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6152-6160.	3.7	1
17	Conductive Noise Suppression with Cancelling for Miniaturization of EMI Filters in PFC Converter. IEJ Journal of Industry Applications, 2021, , .	0.9	3
18	Avalanche current balancing using parallel connection of SiC-MOSFET/SiC-JFETs with cascode connection. Microelectronics Reliability, 2021, 126, 114237.	0.9	2

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19	Measurement of DC-side Electromagnetic Noise inside Photovoltaic Power Converters. , 2021, , .		0
20	Stop-and-Go Gate Drive Minimizing Test Cost to Find Optimum Gate Driving Vectors in Digital Gate Drivers. , 2020, , .		12
21	The response of the neuronal activity in the somatosensory cortex after high-intensity intermediate-frequency magnetic field exposure to the spinal cord in rats under anesthesia and waking states. Brain Research, 2020, 1747, 147063.	1.1	0
22	Gate drive circuit for current balancing of parallel-connected SiC-JFETs under avalanche mode. Microelectronics Reliability, 2020, 114, 113776.	0.9	8
23	Design of an Integrated Air Coil for Current Sensing. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4122-4129.	3.7	2
24	Applications of Triple Active Bridge Converter for Future Grid and Integrated Energy Systems. Energies, 2020, 13, 1577.	1.6	17
25	Power transmission characteristics of EWC-SPUDT SAW filters fabricated for multiplex transmission system of inverter gate drive circuits. Japanese Journal of Applied Physics, 2020, 59, SKKC05.	0.8	4
26	Normalization Design of Inductances in Triple Active Bridge Converter for Household Renewable Energy System. IEEJ Journal of Industry Applications, 2020, 9, 227-234.	0.9	4
27	DC Capacitor Voltage Feedback Method for a Peak Voltage Suppression Control with Multiple Leg-Short-Circuits Using SiC-MOSFETs Employed in Power Converters. , 2020, , .		0
28	Estimation of Switching Loss and Voltage Overshoot of Active Gate Driver by Neural Network. IEICE Transactions on Electronics, 2020, E103.C, 609-612.	0.3	1
29	Digital active gate control for a three-phase inverter circuit for a surge voltage suppression and switching loss reduction. , 2020, , .		3
30	Expanding Exposure Area of Magnetic Field Generator for Biological Evaluation by using Dual Air-Core Inductor. , 2020, , .		0
31	Gate Oxide TDDB Evaluation System for SiC Power Devices under Switching Operation Conditions. , 2020, , .		0
32	Suppressing EMI Noise to CAN Communication by Using Active Gate Driver. , 2020, , .		4
33	Current Balancing for Parallel Connection of Silicon Carbide MOSFETs Using Bus Bar Integrated Magnetic Material. , 2019, , .		15
34	Current Control using Pulsed Current Sampling Considering Sampling Points and Sensor Positions for Single-Phase Inverter. , 2019, , .		2
35	High-Speed Searching of Optimum Switching Pattern for Digital Active Gate Drive Circuit of Full Bridge Inverter Circuit. , 2019, , .		7
36	Optimization Platform to Find a Switching Pattern of Digital Active Gate Drive for Reducing Both Switching Loss and Surge Voltage. IEEE Transactions on Industry Applications, 2019, 55, 5023-5031.	3.3	29

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37	Degradation characteristics of SiC power devices for DC circuit breaker by repetitive unclamped inductive switching test. <i>Microelectronics Reliability</i> , 2019, 100-101, 113417.	0.9	8
38	Reliability evaluation of power MOSFETs used for an initial charge method using multiple short-circuits in each leg. <i>Microelectronics Reliability</i> , 2019, 100-101, 113428.	0.9	3
39	A Turn-off Delay Controlled Bleeder Circuit for Single-Stage TRIAC Dimmable LED Driver With Small-Scale Implementation and Low Output Current Ripple. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 10069-10081.	5.4	5
40	Global Analysis of Transcriptional Expression in Mice Exposed to Intermediate Frequency Magnetic Fields Utilized for Wireless Power Transfer Systems. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1851.	1.2	6
41	Voltage balancing control based on gate signal delay in series connection of SiC-MOSFET. <i>Electronics and Communications in Japan</i> , 2019, 102, 25-32.	0.3	2
42	Control Method for Overvoltage Suppression Across the DC Capacitor in a Grid-Connection Converter Using Leg Short Circuit of Power mosfets during the Initial Charge. <i>IEEE Transactions on Industry Applications</i> , 2019, 55, 4012-4019.	3.3	8
43	Digital Active Gate Drive with Optimal Switching Patterns to Adapt to Sinusoidal Output Current in a Full Bridge Inverter Circuit. , 2019, , .		7
44	Overcurrent Detection Using an Integrated Rogowski Coil for an Electric Vehicles Inverter. , 2019, , .		7
45	Design and Experiment of a Gate Drive Circuit using SAW Filter with Signal and Power Transmission. , 2019, , .		0
46	Effect on Digital Active Gate Control of a Practical IGBT Full-Bridge Inverter with the Additional DC-Link Capacitor Close to Power Devices. , 2019, , .		1
47	Robust Gate Driving Vectors to Load Current and Temperature Variations for Digital Gate Drivers. , 2019, , .		5
48	Load Current and Temperature Dependent Optimization of Active Gate Driving Vectors. , 2019, , .		17
49	Design and Implementation of Digital Active Gate Control with Variable 63-level Drivability Controlled by Serial 4-bit Signals. , 2019, , .		3
50	Capacitor current imbalance and its suppression method between phase legs for three-phase inverter. <i>Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)</i> , 2019, 206, 45-54.	0.2	0
51	Possible Biological Effects of Intermediate Frequency Magnetic Field Exposure in Mice. , 2019, , .		3
52	A Bidirectional Current Sensor based on CT with Diode Rectifier and MOSFET for Bidirectional Current-fed DC-DC Converter. <i>IEEJ Journal of Industry Applications</i> , 2019, 8, 437-443.	0.9	6
53	Circulating Resonant Current Between Integrated Half-Bridge Modules With Capacitor for Inverter Circuit Using SiC-MOSFET. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 1555-1562.	3.3	2
54	Implementation and Performance of a Current Sensor for a Laminated Bus Bar. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 2579-2587.	3.3	20

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55	Operating-waveform analysis based reliability evaluation of power MOSFETs used for a leg short-circuit initial charge method. <i>Microelectronics Reliability</i> , 2018, 88-90, 589-592.	0.9	4
56	Switching Loss Analysis of SiC-MOSFET based on Stray Inductance Scaling. , 2018, , .		15
57	DC-side Circuit Implementation of a Three-phase Inverter for Balancing Phase-leg Capacitor Currents. , 2018, , .		0
58	Voltage Balancing Control for Series Connected MOSFETs Based on Time Delay Adjustment Under Start-Up and Steady-State Operations. , 2018, , .		23
59	Boost Integrated Three-Phase Solar Inverter using Current Unfolding and Active Damping Methods. , 2018, , .		3
60	Higher-reliable DC Distribution Systems using the Triple Active Bridge Converter without Batteries. , 2018, , .		1
61	Optimization Platform to Find a Switching Pattern of Digital Active Gate Drive for Full-Bridge Inverter Circuit. , 2018, , .		2
62	Simulation Study of Power Management for a Highly Reliable Distribution System using a Triple Active Bridge Converter in a DC Microgrid. <i>Energies</i> , 2018, 11, 3178.	1.6	6
63	Power Flow Control of DC Power Distribution Systems using Triple Active Bridge Converter in a Data Center. , 2018, , .		1
64	Implementation of Decoupling Power Flow Control System in Triple Active Bridge Converter Rated at 400V, 10kW, and 20kHz. <i>IEEJ Journal of Industry Applications</i> , 2018, 7, 410-415.	0.9	12
65	Active gate control for switching waveform shaping irrespective of the circuit stray inductance in a practical full-bridge IGBT inverter. , 2018, , .		9
66	Active Gate Control in Half-Bridge Inverters Using Programmable Gate Driver ICs to Improve Both Surge Voltage and Converter Efficiency. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 4603-4611.	3.3	49
67	Real-time detection of stimulus response in cultured neurons by high-intensity intermediate-frequency magnetic field exposure. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 442-449.	0.6	3
68	A DC Power Distribution System in a Data Center using a Triple Active Bridge DC-DC Converter. <i>IEEJ Journal of Industry Applications</i> , 2018, 7, 202-209.	0.9	21
69	Design of a coil geometry for generating magnetic field to evaluate biological effects at 85kHz. <i>Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)</i> , 2018, 205, 55-63.	0.2	5
70	Bus bar embedded rogowski coil. , 2018, , .		4
71	Digital Control for Voltage Balancing under Switching Operations of Series Connection SiC-MOSFETs. <i>IEEJ Transactions on Industry Applications</i> , 2018, 138, 417-424.	0.1	4
72	Implementation of Gate Driver Circuit for Suppressing Both Surge Voltage and Switching Loss by Using Mutual Inductance. <i>IEEJ Transactions on Industry Applications</i> , 2018, 138, 135-140.	0.1	2

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73	Design of a Coil Geometry for Generating Magnetic Field to Evaluate Biological Effects at 85kHz. IEEJ Transactions on Industry Applications, 2018, 138, 360-367.	0.1	1
74	Capacitor Current Imbalance and Its Suppression Method Between Phase Legs for Three-phase Inverter. IEEJ Transactions on Industry Applications, 2018, 138, 491-498.	0.1	1
75	General-Purpose Clocked Gate Driver IC With Programmable 63-Level Drivability to Optimize Overshoot and Energy Loss in Switching by a Simulated Annealing Algorithm. IEEE Transactions on Industry Applications, 2017, 53, 2350-2357.	3.3	90
76	Active gate control in half-bridge inverters using programmable gate driver ICs to improve both surge voltage and switching loss. , 2017, , .		19
77	Design of Acceptable Stray Inductance Based on Scaling Method for Power Electronics Circuits. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 568-575.	3.7	34
78	Design of surface acoustic wave filters for the multiplex transmission system of multilevel inverter circuits. Japanese Journal of Applied Physics, 2017, 56, 07JD03.	0.8	6
79	Decoupling power flow control system in triple active bridge converter rated at 400 V, 10 kW, and 20 kHz. , 2017, , .		18
80	Power electronics 2.0: IoT-connected and AI-controlled power electronics operating optimally for each user. , 2017, , .		18
81	Power flow control of a triple active bridge DC-DC converter using GaN power devices for a low-voltage DC power distribution system. , 2017, , .		14
82	Dynamic performance of triple-active bridge converter rated at 400 V, 10 kW, and 20 kHz. , 2017, , .		16
83	A gate drive circuit using SAW filters based on frequency division multiplex transmission system. , 2017, , .		2
84	Design of magnetic field generator operating at 85 kHz using SiC-MOSFETs for evaluating electromagnetic interference. , 2017, , .		0
85	Electrical characteristics of SAW filters on SiO ₂ /Al/LiNbO ₃ structure for inverter multiplex transmission systems. , 2017, , .		1
86	Electrical characteristics of SAW filters on SiO ₂ /Al/LiNbO ₃ structure for inverter multiplex transmission systems. , 2017, , .		0
87	Digital control based voltage balancing for series connected SiC MOSFETs under switching operations. , 2017, , .		33
88	Analysis on load-factor dependence of triple active bridge converter's transmission efficiency for autonomous power networks. , 2017, , .		4
89	Influence of DC-Side Stray Inductance on Switching Loss for Silicon Carbide MOSFET. IEEJ Transactions on Industry Applications, 2017, 137, 168-174.	0.1	3
90	Switching Ripple Current Reduction of DC-Link Capacitor in a Two-Stage Single-Phase AC/DC Converter. IEEJ Transactions on Industry Applications, 2017, 137, 220-229.	0.1	2

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91	Circulating Resonant Current Between Phase-leg DC-link Capacitors for Single-phase Full-Bridge Inverter. IEEJ Transactions on Industry Applications, 2017, 137, 501-508.	0.1	2
92	Resonance Analysis Focusing on Stray Inductance and Capacitance of Laminated Bus Bars. IEEJ Journal of Industry Applications, 2016, 5, 407-412.	0.9	10
93	Circulating resonant current between integrated half-bridge modules with capacitor for inverter circuit using SiC-MOSFET. , 2016, , .		1
94	Implementation and power-loss characteristics of 400-V, 10-kW, 20-kHz three-way isolated DC/DC converter as a power routing unit for constructing microgrid systems. , 2016, , .		4
95	Implementation and performance of a current sensor for a laminated bus bar. , 2016, , .		5
96	Design and implementation of multi-frequency magnetic field generator producing sinusoidal current waveform for biological researches. , 2016, , .		7
97	Development of the exposure apparatus of intermediate frequency magnetic field for mice and biological effects on blood properties. , 2016, , .		1
98	Mutual inductance measurement for power device package using time domain reflectometry. , 2016, , .		7
99	Development of an exposure system for 85 kHz magnetic field for the evaluation biological effects. , 2016, , .		6
100	Power loss analysis of 10kW three-way isolated DC/DC converter using SiC-MOSFETs as a power routing unit for constructing 400V DC microgrid systems. , 2016, , .		11
101	General-purpose clocked gate driver (CGD) IC with programmable 63-level drivability to reduce Ic overshoot and switching loss of various power transistors. , 2016, , .		22
102	Improvement of power quality for three-phase grids using single-phase DG with active filter function units. , 2016, , .		2
103	Implementation and performance of three-way isolated DC/DC converter using SiC-MOSFETs for power flow control. , 2016, , .		9
104	Multiport power router and its impact on future smart grids. Radio Science, 2016, 51, 1234-1246.	0.8	29
105	Influence of induced voltage noise on switching characteristics for a power converter circuit. , 2016, , .		1
106	Experimental verification of 1 MHz PWM inverter for generating high frequency sinusoidal current. , 2016, , .		0
107	A normalization procedure of DC-side stray inductance for high-speed switching circuit. , 2016, , .		1
108	Evaluation of biological effects of intermediate frequency magnetic field on differentiation of embryonic stem cell. Toxicology Reports, 2016, 3, 135-140.	1.6	15

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109	Multi-port power router and its impact on resilient power grid systems. , 2016, , .		0
110	Implementation of a Gate Drive Circuit for Reducing Switching Loss and Surge Voltage. IEEJ Transactions on Industry Applications, 2016, 136, 791-797.	0.1	2
111	Current Sensor for Laminated Bus Bar. IEEJ Transactions on Industry Applications, 2016, 136, 509-510.	0.1	1
112	Harmonic Current Suppression in Three-Phase Grids Under an Unbalanced Installation of Single-Phase Distributed Generation Units. IEEJ Transactions on Industry Applications, 2016, 136, 204-211.	0.1	0
113	Multiplex transmission system for gate drive signals of inverter circuit using surface acoustic wave filters. Japanese Journal of Applied Physics, 2016, 55, 07KD01.	0.8	5
114	Harmonic circulation method with single-phase distributed generation units in three-phase three-wire power distribution systems. , 2015, , .		0
115	Power flow control of three-way isolated DC/DC converter for Y-configuration power router. , 2015, , .		19
116	AC/DC Converter Based on Instantaneous Power Balance Control for Reducing DC-Link Capacitance. IEEJ Journal of Industry Applications, 2015, 4, 745-751.	0.9	20
117	Loss Analysis of Magnetic Components for a Solid-State-Transformer. IEEJ Journal of Industry Applications, 2015, 4, 387-394.	0.9	19
118	Third-Harmonic Current Suppression for Power Distribution Systems Under Unbalanced Installation of DG Units. IEEE Transactions on Industrial Electronics, 2015, 62, 5578-5585.	5.2	22
119	Miniaturization of magnetic components for an electric transformer based on bi-directional isolated DC-DC converter. , 2015, , .		0
120	Design of DC-side stray inductance for high speed switching inverter based on normalization procedure. , 2015, , .		7
121	Testbeds of a hybrid-ARQ-based reliable communication for CANs in highly electromagnetic environments. , 2015, , .		7
122	Switching-frequency ripple current reduction of DC-link capacitor for a single-phase charger. , 2015, , .		7
123	Harmonic current suppression using single-phase DG units in three-phase grids with unbalanced harmonic sources. , 2015, , .		1
124	Design and implementation of a 500 kHz switching PWM inverter without a dead-time. , 2015, , .		3
125	Current Control of a Single-phase Inverter by Applying a Multisampling Method. IEEJ Transactions on Industry Applications, 2015, 135, 1160-1167.	0.1	1
126	A Highly Reliable Digital Current Control using an Adaptive Sampling Method. IEEJ Journal of Industry Applications, 2014, 3, 296-303.	0.9	9

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127	Evaluation of effects of intermediate frequency magnetic field on DNA methylation. , 2014, , .		0
128	Wide bandwidth and low propagation time delay current sensor applied to a laminated bus bar. , 2014, , .		6
129	Experimental verification of noiseless sampling for buck chopper circuit with current control. , 2014, , .		2
130	AC/DC converter based on instantaneous power balance control for reducing DC-link capacitance. , 2014, , .		7
131	Analysis of hysteresis and eddy-current losses for a medium-frequency transformer in an isolated DC-DC converter. , 2014, , .		9
132	Effects of 21-kHz intermediate frequency magnetic fields on blood properties and immune systems of juvenile rats. International Journal of Radiation Biology, 2014, 90, 1211-1217.	1.0	19
133	2.5kV, 200kW bi-directional isolated DC/DC converter for medium-voltage applications. , 2014, , .		6
134	Frequency Limitation Method for Reducing the Power Rating of a Single-Phase Active Filter. IEEJ Transactions on Industry Applications, 2014, 134, 202-208.	0.1	4
135	Implementation of a High-Frequency-Switching Three-Phase PWM Inverter with Separating Heat Sinks. IEEJ Transactions on Industry Applications, 2014, 134, 734-741.	0.1	4
136	Laminated Bus Bar Design for Power Converter Circuit Considering Structural and Electrical Limitations. IEEJ Transactions on Industry Applications, 2014, 134, 447-453.	0.1	3
137	Compensation characteristics and power rating of a single-phase active filter with frequency limitation function. , 2013, , .		2
138	4.5 kV – 400 A SiC-PiN diode and Si-IEGT hybrid pair module for high switching frequency operation. , 2013, , .		1
139	Maximum switching frequency characterization of 4.5kV–400A SiC-PiN diode and Si-IEGT hybrid pair power module. , 2013, , .		2
140	Experimental evaluation of 10kHz switching operation of 4.5kV–400A SiC-PiN diode and Si-IEGT hybrid pair module. , 2013, , .		0
141	An adaptive approach to dependable circuits for a digital power control. , 2013, , .		0
142	Design of DC-side wiring structure for high-speed switching operation using SiC power devices. , 2013, , .		20
143	Limitation of DC-side stray inductance by considering over voltage and short-circuit current. , 2013, , .		8
144	An adaptive sampling method for a highly reliable digital control power converter. , 2013, , .		1

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145	High-Speed Analysis of Bus Bar Inductance for a Laminated Structure. IEEJ Journal of Industry Applications, 2013, 2, 189-194.	0.9	14
146	4.5kV-400A modules using SiC-PiN diodes and Si-IEGTs hybrid pair for high power medium-voltage power converters. , 2012, , .		1
147	Design and implementation of a non-destructive test circuit for SiC-MOSFETs. , 2012, , .		4
148	TDR Measurement Method for Voltage-Dependent Capacitance of Power Devices and Components. IEEE Transactions on Power Electronics, 2012, 27, 3444-3451.	5.4	26
149	Measurement of voltage-dependent capacitance using a TDR system. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2012, 181, 31-38.	0.2	2
150	Design of Wiring Structure by Considering Bus Bar Inductance. IEEJ Transactions on Industry Applications, 2012, 132, 510-517.	0.1	9
151	Method for Evaluating Insertion Loss of EMI Filter Connected to Semiconductor Power Converters. IEEJ Transactions on Industry Applications, 2012, 132, 727-735.	0.1	12
152	Analysis of Electromagnetic Induced Noise with Laminated Bus Bar. IEEJ Transactions on Industry Applications, 2012, 132, 288-294.	0.1	5
153	High-power converters with high switching frequency operation using SiC-PiN diodes and Si-IEGTs. , 2011, , .		4
154	Experimental verification of a 200-kHz PWM inverter with a current control for 20-kHz sinusoidal waveform. , 2011, , .		4
155	Design and implementation of digital controller using FPGA for 200-kHz PWM inverter. , 2011, , .		2
156	Short-term whole body exposure of intermediate frequency magnetic fields to rats does not affect blood properties and immune systems. , 2011, , .		0
157	Estimation of mutagenic effects of intermediate frequency magnetic field using mammalian cells. , 2011, , .		1
158	Biological effects of intermediate frequency magnetic fields " Development of exposure system and evaluate genotoxicity in vitro. , 2011, , .		2
159	A Method for Measuring Voltage-Dependent Capacitance Using TDR System. IEEJ Transactions on Industry Applications, 2011, 131, 747-753.	0.1	1
160	A Carrier-Phase Control Suitable for Conducted EMI Noise Reduction in a Multiple-Converter System. IEEJ Transactions on Industry Applications, 2011, 131, 811-819.	0.1	8
161	Power Supply for Micro-Sterilization System Using Pulsed Electric Field and Dielectrophoresis. IEEJ Transactions on Industry Applications, 2011, 131, 1451-1456.	0.1	1
162	High-frequency switching high-power converter with SiC-PiN diodes and Si-IEGTs. , 2010, , .		5

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163	3-Level power converter with high-voltage hybrid pairs of SiC-PiN diode and IEGT. , 2010, , .		1
164	Thermal analysis for hybrid pair module of Si-IEGT and SiC-PiN diode. , 2010, , .		3
165	3-Level power converter with high-voltage SiC-PiN diode and hard-gate-driving of IEGT for future high-voltage power conversion systems. , 2010, , .		10
166	A simple method for measuring voltage dependent capacitance using TDR system. , 2010, , .		0
167	Analytical method and suppression technique of conducted EMI noise in a multi-converter system. , 2010, , .		3
168	Analysis and evaluation of near field noise voltage on power electronics circuits. , 2009, , .		9
169	Analysis of EMI filter attenuation characteristics for a multi-converter system. , 2009, , .		2
170	Analysis of Near Field Noise Voltage Caused by Pulse Current on Power Electronics Circuits. IEEJ Transactions on Industry Applications, 2009, 129, 859-865.	0.1	6
171	A 13.56 MHz current-output-type inverter utilizing an immittance conversion element. , 2008, , .		7
172	Control method for a single phase arbitrary waveform-output inverter. , 2008, , .		0
173	Discussion of internal and external high frequency common mode noise current on a chopper circuit. , 2008, , .		0
174	Design and Performance of a Transformerless Shunt Hybrid Filter Integrated Into a Three-Phase Diode Rectifier. IEEE Transactions on Power Electronics, 2007, 22, 1882-1889.	5.4	92
175	Evaluation of the iron loss of an inductor based on dynamic minor characteristics. , 2007, , .		18
176	A Generation Control of Arbitrary AC Waveforms for the Single-phase Voltage Source PWM Inverter Utilizing an Adaptive Frequency Loss-less Resonator. IEEJ Transactions on Industry Applications, 2007, 127, 103-111.	0.1	2
177	A gate drive circuit of power MOSFETs and IGBTs for low switching losses. , 2007, , .		22
178	Discussion of Internal Noise Currents in a Control Circuit on a 200-kHz Switching PWM Inverter. , 2007, , .		6
179	Dynamic Behavior of a 21-Level BTB-Based Power-Flow Controller Under Single-Line-to-Ground Fault Conditions. IEEE Transactions on Industry Applications, 2007, 43, 1379-1387.	3.3	17
180	Reduction Methods of Conducted EMI Noise on Parallel Operation for AC Module Inverters. , 2007, , .		6

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181	A Single-Phase Grid-Connected Inverter with a Power Decoupling Function. , 2007, , .		66
182	Control Methods and Compensation Characteristics of a Series Active Filter for a Neutral Conductor. IEEE Transactions on Industrial Electronics, 2007, 54, 433-440.	5.2	57
183	A 21-level (line-to-line) BTB system based on series connection of 16 converter cells. Experimental verification by a 200-V, 20-kW laboratory system. Electrical Engineering in Japan (English Translation) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.2	1
184	Dynamic Behavior of a 21-Level (Line-to-Line) BTB System Based on Series Connection of Sixteen Converter-Cells under a Single-Line-to-Ground Fault Condition: Experimental Verification by a 200-V, 20-kW Laboratory System. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	3
185	Flyback-Type Single-Phase Utility Interactive Inverter With Power Pulsation Decoupling on the DC Input for an AC Photovoltaic Module System. IEEE Transactions on Power Electronics, 2006, 21, 1264-1272.	5.4	397
186	Control methods and compensation characteristics of a series active filter for neutral conductor. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2006, 155, 53-63.	0.2	0
187	Mitigation of third-harmonic voltage for three-phase four-wire distribution system based on a series active filter for neutral conductor. Electrical Engineering in Japan (English Translation of Denki) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.2	1
188	Reduction of Conducted EMI on Parallel Operation for AC Module Inverters. IEEJ Transactions on Industry Applications, 2005, 125, 911-918.	0.1	6
189	A 21-Level (Line-to-Line) BTB System Based on Series Connection of Sixteen Converter Cells-Experimental Verifications by a 200-V, 20-kW Laboratory System-. IEEJ Transactions on Industry Applications, 2005, 125, 397-404.	0.1	2
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