

In-Dong Kim

List of Publications by Year in descending order

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45
papers

319
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1307594

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268
citing authors

#	ARTICLE	IF	CITATIONS
1	New Bidirectional ZVS PWM Sepic/Zeta DC-DC Converter. , 2007, , .		55
2	A Generalized Undeland Snubber for Flying Capacitor Multilevel Inverter and Converter. IEEE Transactions on Industrial Electronics, 2004, 51, 1290-1296.	7.9	46
3	New Simple-Structured AC Solid-State Circuit Breaker. IEEE Transactions on Industrial Electronics, 2018, 65, 8455-8463.	7.9	23
4	Module-Type Switching Rectifier for Cathodic Protection of Underground and Maritime Metallic Structures. IEEE Transactions on Industrial Electronics, 2005, 52, 181-189.	7.9	22
5	Novel Bidirectional DC Solid-State Circuit Breaker With Operating Duty Capability. IEEE Transactions on Industrial Electronics, 2021, 68, 9104-9113.	7.9	20
6	Design of bidirectional PWM Sepic/Zeta DC-DC converter. , 2007, , .		19
7	A New Reclosing and Re-breaking DC Thyristor Circuit Breaker for DC Distribution Applications. Journal of Power Electronics, 2017, 17, 272-281.	1.5	15
8	A novel reclosing and rebreaking DC solid state circuit breaker. , 2015, , .		14
9	New DC Solid-State Circuit Breaker With Natural Charging Operation. IEEE Transactions on Industrial Electronics, 2021, 68, 10360-10368.	7.9	12
10	A new ZCS turn-on and ZVS turn-off unity power factor PWM rectifier with reduced conduction loss and no auxiliary switches. , 0, , .		7
11	A new snubber circuit for multilevel inverter and converter. , 0, , .		7
12	A novel reclosing and rebreaking AC thyristor circuit breaker. , 2015, , .		7
13	A Novel DC Solid-State Circuit Breaker for DC Grid. The Transactions of the Korean Institute of Power Electronics, 2012, 17, 368-376.	0.1	7
14	Design of Matching Circuit Transformer for High-Power Transmitter of Active Sonar. Journal of Electrical Engineering and Technology, 2020, 15, 2145-2155.	2.0	6
15	A New Thyristor DC Solid-State Circuit Breaker Capable of Performing Operating Duty. , 2019, , .		5
16	Simple ZVT PWM Single-Phase Rectifier with Reduced Conduction Loss and Unity Power Factor. , 0, , .		4
17	Design of low-voltage high-current rectifier with high-efficiency output side for electrolytic disinfection of ballast water. , 2010, , .		4
18	Seamless control mode transfer of a PCS for islanding mode operation. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
19	High Power Factor Induction Heating Power Supply for Forging Applications Using Three-Phase Three-Switch PWM Current Source Rectifier. , 2019, , .		4
20	A new boost type rectifier for a DC power supply with frequent output short circuit. , 0, , .		3
21	Voltage disturbance generator with phase jump for the test of microgrid. , 2010, , .		3
22	Design of compact and high-efficiency power supply and power amplifier for parametric array transducer. , 2015, , .		3
23	A Study on Feedback and Feedforward Control of High Power Transmitters for Active Sonar. , 2019, , .		3
24	A Critical Step to Using a Parametric Array Loudspeaker in Mobile Devices. Sensors, 2019, 19, 4449.	3.8	3
25	A Novel AC Solid-State Circuit Breaker with Reclosing and Rebreaking Capability. Journal of Power Electronics, 2015, 15, 1074-1084.	1.5	3
26	An improved output short-circuit protection for multilevel PWM rectifier. , 0, , .		2
27	Precision speed control of PMSM using disturbance observer and system parameter compensator. , 0, , .		2
28	Characteristics of a power quality disturbance generator for the test of microgrid with STS. , 2009, , .		2
29	New DC Solid State Circuit Breaker with reclosing and rebreaking capabilities. , 2016, , .		2
30	Design of High-Efficiency High-Power Transmitter for Active Sonar. , 2018, , .		2
31	Design of Transformer with Impedance Matching Circuit for High Power Transmitter of Active Sonar. , 2019, , .		2
32	Improved voltage disturbance generator for the performance test of the custom power devices. , 2007, , .		2
33	A generalized Undeland snubber for flying capacitor multilevel inverter and converter. , 0, , .		1
34	Rising time minimization of DC voltage after output short-circuit of a boost type rectifier. , 0, , .		1
35	Load independent voltage drop characteristics of a voltage disturbance generator with nonlinear load. , 2009, , .		1
36	Power control of a combined system with fuel cell and supercapacitor. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
37	Power quality disturbance generator suitable for high power applications. , 2013, , .		1
38	A New Simple-structured Thyristor Hybrid DC Circuit Breaker. , 2021, , .		1
39	A new snubber circuit for diode-clamped four-level inverter and converter. , 0, , .		0
40	Analysis of STS fault current with minimization method of STS turn off delay time. , 2011, , .		0
41	Design of compact low-voltage high-current rectifier for electrolytic disinfection of ballast water. , 2013, , .		0
42	Switching loss minimization of 3-phase interleaved bidirectional DC-DC converter. , 2014, , .		0
43	Design of high-efficiency power amplifier system for high-directional speaker. , 2016, , .		0
44	Design of adaptive matching circuit for sonar system. , 2016, , .		0
45	Design of matching transformer for high-power transmitter of active sonar considering transformer ripple temperature. , 2021, , .		0