

# In-Dong Kim

## List of Publications by Year in descending order

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45  
papers

319  
citations

1307594

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h-index

1372567

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g-index

45  
all docs

45  
docs citations

45  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Bidirectional DC Solid-State Circuit Breaker With Operating Duty Capability. IEEE Transactions on Industrial Electronics, 2021, 68, 9104-9113.	7.9	20
2	New DC Solid-State Circuit Breaker With Natural Charging Operation. IEEE Transactions on Industrial Electronics, 2021, 68, 10360-10368.	7.9	12
3	A New Simple-structured Thyristor Hybrid DC Circuit Breaker. , 2021, , .		1
4	Design of matching transformer for high-power transmitter of active sonar considering transformer ripple temperature. , 2021, , .		0
5	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
6	A Study on Feedback and Feedforward Control of High Power Transmitters for Active Sonar. , 2019, , .		3
7	A New Thyristor DC Solid-State Circuit Breaker Capable of Performing Operating Duty. , 2019, , .		5
8	High Power Factor Induction Heating Power Supply for Forging Applications Using Three-Phase Three-Switch PWM Current Source Rectifier. , 2019, , .		4
9	A Critical Step to Using a Parametric Array Loudspeaker in Mobile Devices. Sensors, 2019, 19, 4449.	3.8	3
10	Design of Transformer with Impedance Matching Circuit for High Power Transmitter of Active Sonar. , 2019, , .		2
11	New Simple-Structured AC Solid-State Circuit Breaker. IEEE Transactions on Industrial Electronics, 2018, 65, 8455-8463.	7.9	23
12	Design of High-Efficiency High-Power Transmitter for Active Sonar. , 2018, , .		2
13	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
14	Design of high-efficiency power amplifier system for high-directional speaker. , 2016, , .		0
15	New DC Solid State Circuit Breaker with reclosing and rebreaking capabilities. , 2016, , .		2
16	Design of adaptive matching circuit for sonar system. , 2016, , .		0
17	Design of compact and high-efficiency power supply and power amplifier for parametric array transducer. , 2015, , .		3
18	A novel reclosing and rebreaking DC solid state circuit breaker. , 2015, , .		14

#	ARTICLE	IF	CITATIONS
19	A novel reclosing and rebreaking AC thyristor circuit breaker. , 2015, , .		7
20	A Novel AC Solid-State Circuit Breaker with Reclosing and Rebreaking Capability. Journal of Power Electronics, 2015, 15, 1074-1084.	1.5	3
21	Switching loss minimization of 3-phase interleaved bidirectional DC-DC converter. , 2014, , .		0
22	Power quality disturbance generator suitable for high power applications. , 2013, , .		1
23	Design of compact low-voltage high-current rectifier for electrolytic disinfection of ballast water. , 2013, , .		0
24	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
25	Analysis of STS fault current with minimization method of STS turn off delay time. , 2011, , .		0
26	Power control of a combined system with fuel cell and supercapacitor. , 2011, , .		1
27	Seamless control mode transfer of a PCS for islanding mode operation. , 2011, , .		4
28	Design of low-voltage high-current rectifier with high-efficiency output side for electrolytic disinfection of ballast water. , 2010, , .		4
29	Voltage disturbance generator with phase jump for the test of microgrid. , 2010, , .		3
30	Load independent voltage drop characteristics of a voltage disturbance generator with nonlinear load. , 2009, , .		1
31	Characteristics of a power quality disturbance generator for the test of microgrid with STS. , 2009, , .		2
32	New Bidirectional ZVS PWM Sepic/Zeta DC-DC Converter. , 2007, , .		55
33	Design of bidirectional PWM Sepic/Zeta DC-DC converter. , 2007, , .		19
34	Improved voltage disturbance generator for the performance test of the custom power devices. , 2007, , .		2
35	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
36	A Generalized Undeland Snubber for Flying Capacitor Multilevel Inverter and Converter. IEEE Transactions on Industrial Electronics, 2004, 51, 1290-1296.	7.9	46

#	ARTICLE	IF	CITATIONS
37	A new ZCS turn-on and ZVS turn-off unity power factor PWM rectifier with reduced conduction loss and no auxiliary switches. , 0, , .		7
38	A new snubber circuit for multilevel inverter and converter. , 0, , .		7
39	A new boost type rectifier for a DC power supply with frequent output short circuit. , 0, , .		3
40	A new snubber circuit for diode-clamped four-level inverter and converter. , 0, , .		0
41	A generalized Undeland snubber for flying capacitor multilevel inverter and converter. , 0, , .		1
42	Rising time minimization of DC voltage after output short-circuit of a boost type rectifier. , 0, , .		1
43	An improved output short-circuit protection for multilevel PWM rectifier. , 0, , .		2
44	Precision speed control of PMSM using disturbance observer and system parameter compensator. , 0, , .		2
45	Simple ZVT PWM Single-Phase Rectifier with Reduced Conduction Loss and Unity Power Factor. , 0, , .		4