Byungcho Choi

List of Publications by Year
in descending order

47	901	840776 11	839539 18
papers	citations	h-index	g-index

49	49	49	660
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modified Double-Dual-Boost High-Conversion-Ratio DCâ€“DC Converter With Common Ground and Low-Side Gate Driving. IEEE Transactions on Power Electronics, 2022, 37, 4952-4956.	7.9	11
2	A New Design Method for Multistage DC Power Distribution Systems. , 2020, , .		2
3	A New Approach to Designing Type 3 Compensator for Voltage-Mode Controlled Buck Converter. , 2020, , .		2
4	Loading Effects on Upstream Converter's Input Impedance in Multistage Dc Power Distribution Systems. , 2019, , .		0
5	A Load Impedance Specification of DC Power Systems for Desired DC-Link Dynamics and Reduced Conservativeness. IEEE Transactions on Power Electronics, 2019, 34, 1407-1419.	7.9	9
6	Output Impedance Analysis of PWM DC-to-DC Converters. , 2019, , .		3
7	Performance Programming Technique for Multi-Stage Dc Power Distribution Systems. , 2018, , .		2
8	Isolated Double Step-Down DCâ€“DC Converter With Improved ZVS Range and No Transformer Saturation Problem. IEEE Transactions on Power Electronics, 2017, 32, 1792-1804.	7.9	21
9	Stabilizing Effects of Load Subsystem in Multistage DC-to-DC Power Conversion Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1589-1603.	5.4	9
10	A load impedance specification of dc power systems for desired dc link dynamics and reduced conservativeness. , 2017, , .		1
11	Stabilizing effects of load subsystem in multi-stage dc-to-dc power conversion systems. , 2016, , .		4
12	Input Impedances of PWM DC-DC Converters: Unified Analysis and Application Example. Journal of Power Electronics, 2016, 16, 2045-2056.	1.5	7
13	Current Mode Control for LLC Series Resonant DC-to-DC Converters. Energies, 2015, 8, 6098-6113.	3.1	12
14	Control Design and Loop Gain Analysis of DC-to-DC Converters Intended for General Load Subsystems. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	7
15	Performance of an interleaved boundary conduction mode boost PFC converter with wide band-gap switching devices. , 2015, , .		8
16	Stability analysis of PWM converters connected to general load subsystems. , 2015, , .		11
17	Pushâ€“pull mode digital control for LLC series resonant dcâ€toâ€dc converters. IET Power Electronics, 2015, 8, 2115-2124.	2.1	9
18	Designing control loop for PWM converters in dc-to-dc power conversion systems. , 2014, , .		6

#	Article	IF	Citations
19	Design and performance evaluation of digital control for LLC series resonant dc-to-dc converters. , 2014, , .		1
20	A novel phase-shift full-bridge DC-DC converter using Magneto-rheological fluid gap inductor. , 2013, , .		1
21	Average current-mode control for LLC series resonant dc-to-dc converters. , 2012, , .		14
22	A Cost-Effective Energy-Recovering Sustain Driving Circuit for ac Plasma Display Panels. IEICE Transactions on Electronics, 2012, E95-C, 303-308.	0.6	0
23	Current mode control for LLC series resonant dc-to-dc converters. , 2011, , .		30
24	Average current mode control to improve current distributions in multi-module esonant dc-to-dc converters. , 2011, , .		8
25	Implementation of an SDR platform using GPU and its application to a 2ÂÃ—Â2 MIMO WiMAX system. Analog Integrated Circuits and Signal Processing, 2011, 69, 107-117.	1.4	24
26	Control design of a multi-module bidirectional converter for battery charging/discharging applications. , 2010, , .		2
27	Dynamic analysis and control design of optocoupler-isolated LLC series resonant converters with wide input and load variations. , 2009, , .		13
28	Comparative Performance Evaluation of Current-Mode Control Schemes Adapted to Asymmetrically Driven Bridge-Type Pulsewidth Modulated DC-to-DC Converters. IEEE Transactions on Industrial Electronics, 2008, 55, 2033-2042.	7.9	26
29	Analysis of Input Filter Interactions in Switching Power Converters. IEEE Transactions on Power Electronics, 2007, 22, 452-460.	7.9	69
30	Design and Implementation of Low-Profile Contactless Battery Charger Using Planar Printed Circuit Board Windings as Energy Transfer Device. IEEE Transactions on Industrial Electronics, 2004, 51, 140-147.	7.9	194
31	Designing control loop for DC-to-DC converters loaded with unknown AC dynamics. IEEE Transactions on Industrial Electronics, 2002, 49, 925-932.	7.9	37
32	A survey of essential problems in the design of smart antenna system. Microwave and Optical Technology Letters, 2002, 33, 31-34.	1.4	2
33	Modeling and small-signal analysis of controlled on-time boost power-factor-correction circuit. IEEE Transactions on Industrial Electronics, 2001, 48, 136-142.	7.9	50
34	Dynamics and control of DC-to-DC converters driving other converters downstream. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1999, 46, 1240-1248.	0.1	91
35	Step load response of a current-mode-controlled DC-to-DC converter. IEEE Transactions on Aerospace and Electronic Systems, 1997, 33, 1115-1121.	4.7	61
36	Intermediate line filter design to meet both impedance compatibility and EMI specifications. IEEE Transactions on Power Electronics, 1995, 10, 583-588.	7.9	31

#	Article	IF	Citations
37	Modeling and small-signal analysis of controlled on-time boost power factor correction circuit. , 0, , .		2
38	Control design and closed-loop analysis of a switched-capacitor DC-to-DC converter. , 0, , .		1
39	Analysis and design of a forward-flyback converter employing two transformers. , 0, , .		12
40	A new contactless battery charger for portable telecommunication/computing electronics. , 0, , .		8
41	Low-profile contactless battery charger using planar printed circuit board windings as energy transfer device. , 0, , .		10
42	Comparative performance evaluation of current-mode controls adapted to asymmetrically-driven bridge-type pulse-width modulated DC-to-DC converters. , 0, , .		2
43	Analysis of input filter interactions in switching power converters. , 0, , .		16
44	Dynamics of Current-Mode-Controlled DC-to-DC Converters with Input Filter Stage. , 0, , .		5
45	Input Impedance Analysis of PWM DC-to-DC Converters. , 0, , .		11
46	A New Soft Switching Dc-to-Dc Converter Employing Two Transformers. , 0, , .		2
47	Average and Small-Signal Model for Asymmetrically-Driven Double-Ended PWM Dc-To-Dc Converters. , 0, , .		0