

Duo Xu

List of Publications by Year in descending order

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193
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193
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times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	A SIMPLE MEMRISTOR CHAOTIC CIRCUIT WITH COMPLEX DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2629-2645.	0.7	144
2	A Current Decoupling Parallel Control Strategy of Single-Phase Inverter With Voltage and Current Dual Closed-Loop Feedback. IEEE Transactions on Industrial Electronics, 2013, 60, 1306-1313.	5.2	90
3	A Novel PCCM Boost PFC Converter With Fast Dynamic Response. IEEE Transactions on Industrial Electronics, 2011, 58, 4207-4216.	5.2	89
4	Single-Inductor Dual-Output Buck-Boost Power Factor Correction Converter. IEEE Transactions on Industrial Electronics, 2015, 62, 943-952.	5.2	82
5	Constant-Frequency Peak-Ripple-Based Control of Buck Converter in CCM: Review, Unification, and Duality. IEEE Transactions on Industrial Electronics, 2014, 61, 1280-1291.	5.2	71
6	Coupled-inductor boost integrated flyback converter with high-voltage gain and ripple-free input current. IET Power Electronics, 2015, 8, 213-220.	1.5	69
7	Dynamical Effects of Equivalent Series Resistance of Output Capacitor in Constant On-Time Controlled Buck Converter. IEEE Transactions on Industrial Electronics, 2013, 60, 1759-1768.	5.2	68
8	A Hybrid Control Strategy of LCC -S Compensated WPT System for Wide Output Voltage and ZVS Range With Minimized Reactive Current. IEEE Transactions on Industrial Electronics, 2021, 68, 7908-7920.	5.2	67
9	Unified Classification of Operation-State Regions for Switching Converters with Ramp Compensation. IEEE Transactions on Power Electronics, 2011, 26, 1968-1975.	5.4	58
10	Analysis of Pulse Bursting Phenomenon in Constant-On-Time-Controlled Buck Converter. IEEE Transactions on Industrial Electronics, 2011, 58, 5406-5410.	5.2	58
11	Synthesis and Analysis of Double-Input Single-Output DC/DC Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 6284-6295.	5.2	56
12	Dynamics analysis of chaotic circuit with two memristors. Science China Technological Sciences, 2011, 54, 2180-2187.	2.0	53
13	Improved Digital Peak Voltage Predictive Control for Switching DC-DC Converters. IEEE Transactions on Industrial Electronics, 2009, 56, 3222-3229.	5.2	52
14	Digital Average Current Controlled Switching DC-DC Converters With Single-Edge Modulation. IEEE Transactions on Power Electronics, 2010, 25, 786-793.	5.4	48
15	High-efficiency two-switch tri-state buck-boost power factor correction converter with fast dynamic response and low-inductor current ripple. IET Power Electronics, 2013, 6, 1544-1554.	1.5	48
16	A single-switch high gain quadratic boost converter based on voltage-lift-technique. , 2012, , .		46
17	A Single-Stage Integrated Boost-LLC AC-DC Converter With Quasi-Constant Bus Voltage for Multichannel LED Street-Lighting Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1143-1153.	3.7	45
18	Variable Duty Cycle Control for Quadratic Boost PFC Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 4222-4232.	5.2	44

#	ARTICLE	IF	CITATIONS
19	Improved Pulse Regulation Control Technique for Switching DC-DC Converters Operating in DCM. IEEE Transactions on Industrial Electronics, 2013, 60, 1819-1830.	5.2	42
20	An Improved Bridgeless SEPIC Converter Without Circulating Losses and Input-Voltage Sensing. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1447-1455.	3.7	41
21	Nonlinear PID in Digital Controlled Buck Converters. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	40
22	Bifrequency Pulse-Train Control Technique for Switching DC-DC Converters Operating in DCM. IEEE Transactions on Industrial Electronics, 2011, 58, 3658-3667.	5.2	39
23	A Peak-Capacitor-Current Pulse-Train-Controlled Buck Converter With Fast Transient Response and a Wide Load Range. IEEE Transactions on Industrial Electronics, 2016, 63, 1528-1538.	5.2	39
24	Protective effects of neohesperidin dihydrochalcone against carbon tetrachloride-induced oxidative damage in vivo and in vitro. Chemico-Biological Interactions, 2014, 213, 51-59.	1.7	36
25	Analysis and Design of Phase-Shift Pulse-Frequency-Modulated Full-Bridge LCC Resonant Converter. IEEE Transactions on Industrial Electronics, 2020, 67, 1092-1102.	5.2	35
26	Single-Stage Single-Switch Four-Output Resonant LED Driver With High Power Factor and Passive Current Balancing. IEEE Transactions on Power Electronics, 2017, 32, 4566-4576.	5.4	34
27	Cross-Regulation Suppression and Stability Analysis of Capacitor Current Ripple Controlled SIDO CCM Buck Converter. IEEE Transactions on Industrial Electronics, 2019, 66, 1770-1780.	5.2	33
28	Pulse Train Control Strategy for CCM Boost PFC Converter With Improved Dynamic Response and Unity Power Factor. IEEE Transactions on Industrial Electronics, 2020, 67, 10377-10387.	5.2	32
29	A new quadratic boost converter with high voltage step-up ratio and reduced voltage stress. , 2012, , .		31
30	Effects of Circuit Parameters on Dynamics of Current-Mode-Pulse-Train-Controlled Buck Converter. IEEE Transactions on Industrial Electronics, 2014, 61, 1562-1573.	5.2	31
31	Tetrachloro-p-benzoquinone induces hepatic oxidative damage and inflammatory response, but not apoptosis in mouse: The prevention of curcumin. Toxicology and Applied Pharmacology, 2014, 280, 305-313.	1.3	30
32	Pulse-Train-Controlled CCM Buck Converter With Small ESR Output-Capacitor. IEEE Transactions on Industrial Electronics, 2013, 60, 5875-5881.	5.2	28
33	Multiduty Ratio Modulation Technique for Switching DC-DC Converters Operating in Discontinuous Conduction Mode. IEEE Transactions on Industrial Electronics, 2010, 57, 3497-3507.	5.2	27
34	Asynchronous-Switching Map-Based Stability Effects of Circuit Parameters in Fixed Off-Time Controlled Buck Converter. IEEE Transactions on Power Electronics, 2016, 31, 6686-6697.	5.4	27
35	Effect of Circuit Parameters on the Stability and Boundaries of Peak Current Mode Single-Inductor Dual-Output Buck Converters. IEEE Transactions on Industrial Electronics, 2018, 65, 5445-5455.	5.2	27
36	MULTISCROLL CHAOTIC ATTRACTORS FROM A MODIFIED COLPITTS OSCILLATOR MODEL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 2203-2211.	0.7	26

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37	Peak Current Mode Bifrequency Control Technique for Switching DC-DC Converters in DCM With Fast Transient Response and Low EMI. IEEE Transactions on Power Electronics, 2012, 27, 1876-1884.	5.4	26
38	Digital Predictive V2 Control of Switching DC-DC Converters. , 2006, , .		25
39	Single-Stage Soft-Switching Low-Distortion Bipolar PWM Modulation High-Frequency-Link DC-AC Converter With Clamping Circuits. IEEE Transactions on Industrial Electronics, 2018, 65, 7719-7729.	5.2	25
40	An LCL-Based SS Compensated WPT Converter With Wide ZVS Range and Integrated Coil Structure. IEEE Transactions on Industrial Electronics, 2021, 68, 4882-4893.	5.2	25
41	A Novel Hybrid PFM/IAPWM Control Strategy and Optimal Design for Single-Stage Interleaved Boost-LLC AC-DC Converter With Quasi-Constant Bus Voltage. IEEE Transactions on Industrial Electronics, 2021, 68, 8116-8127.	5.2	24
42	Generalized state-space averaging approach for a class of periodically switched networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 1078-1081.	0.1	23
43	An improved two-transistor forward converter. , 1999, , .		23
44	High boost ratio DC-DC converter with ripple-free input current. Electronics Letters, 2014, 50, 353-355.	0.5	23
45	A High Efficiency LCC-S Compensated WPT System With Dual Decoupled Receive Coils and Cascaded PWM Regulator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3142-3146.	2.2	23
46	Inductive Power Transfer Systems With Digital Switch-Controlled Capacitor for Maximum Efficiency Point Tracking. IEEE Transactions on Industrial Electronics, 2021, 68, 9467-9480.	5.2	22
47	COMPLEX DYNAMICS AND FAST-SLOW SCALE INSTABILITY IN CURRENT-MODE CONTROLLED BUCK CONVERTER WITH CONSTANT CURRENT LOAD. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350062.	0.7	21
48	SYMMETRICAL DYNAMICS OF CURRENT-MODE CONTROLLED SWITCHING DC-DC CONVERTERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250008.	0.7	20
49	Flicker-Free Single Switch Multi-String LED Driver With High Power Factor and Current Balancing. IEEE Transactions on Power Electronics, 2019, 34, 6747-6759.	5.4	20
50	High-Efficiency Resonant LED Backlight Driver With Passive Current Balancing and Dimming. IEEE Transactions on Industrial Electronics, 2018, 65, 5476-5486.	5.2	19
51	Evaluation and Suppression of a Low-Frequency Output Voltage Ripple of a Single-Stage AC-DC Converter Based on an Output Impedance Model. IEEE Transactions on Industrial Electronics, 2019, 66, 2803-2813.	5.2	19
52	A new control method for permanent magnet synchronous machines with observer. , 0, , .		18
53	Comparison Study of Switching DC-DC Converter Control Techniques. , 2006, , .		18
54	A Digital Pulse Train Controlled High Power Factor DCM Boost PFC Converter Over a Universal Input Voltage Range. IEEE Transactions on Industrial Electronics, 2019, 66, 2814-2824.	5.2	18

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55	Elimination of Subharmonic Oscillation of Digital-Average-Current-Controlled Switching DC–DC Converters. IEEE Transactions on Industrial Electronics, 2010, 57, 2904-2907.	5.2	17
56	A Cross Regulation Analysis for Single-Inductor Dual-Output CCM Buck Converters. Journal of Power Electronics, 2016, 16, 1802-1812.	0.9	17
57	Capacitor current feedback pulse train control technique for switching DC–DC converters. Electronics Letters, 2014, 50, 1088-1090.	0.5	16
58	Flicker–free transformerless LED driving circuit based on quadratic buck PFC converter. Electronics Letters, 2014, 50, 1972-1974.	0.5	16
59	A Capacitor Current and Capacitor Voltage Ripple Controlled SIDO CCM Buck Converter With Wide Load Range and Reduced Cross Regulation. IEEE Transactions on Industrial Electronics, 2022, 69, 270-281.	5.2	16
60	Small-signal model of $V/\text{sup } 2/$ control technique with compensation. , 0, , .		15
61	Improved Digital Predictive Control of Switching DC-DC Converters. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	15
62	Digital Peak Current Control for Switching DC–DC Converters With Asymmetrical Dual-Edge Modulation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 815-819.	2.2	15
63	An Improved Fundamental Harmonic Approximation to Describe Filter Inductor Influence on Steady-State Performance of Parallel-Type Resonant Converter. IEEE Transactions on Power Electronics, 2019, 34, 2467-2478.	5.4	15
64	A Dual-Carrier Modulation Technique for Half-Bridge Resonant Converter With Wide Soft-Switching Range. IEEE Transactions on Industrial Electronics, 2019, 66, 223-232.	5.2	15
65	A Digital Control Strategy With Simple Transfer Matrix for Three-Phase Buck Rectifier Under Unbalanced AC Input Conditions. IEEE Transactions on Power Electronics, 2021, 36, 3661-3666.	5.4	15
66	Flicker-Free Single-Switch Quadratic Boost LED Driver Compatible With Electronic Transformers. IEEE Transactions on Industrial Electronics, 2019, 66, 3458-3467.	5.2	14
67	High Efficiency Half Bridge Class-D Audio Amplifier System With Front-End Symmetric Bipolar Outputs LLC Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 1220-1230.	5.2	14
68	High Power Factor Bridgeless Integrated Buck-Type PFC Converter With Wide Output Voltage Range. IEEE Transactions on Power Electronics, 2022, 37, 12577-12590.	5.4	14
69	Asymmetrical leading-triangle modulation technique for improved digital valley current controlled switching DC-DC converters. , 2010, , .		13
70	A density functional theory study of the adsorption of bimetallic Fe n Pt m clusters on defective graphene: structural, electronic, and magnetic properties. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	13
71	Asymmetrical hybrid–controlled half–bridge LCC resonant converter with low conduction loss and wide ZVS operation range. Electronics Letters, 2017, 53, 1422-1424.	0.5	13
72	Design of Double-Line-Frequency Ripple Controller for Quasi-Single-Stage AC–DC Converter With Audio Susceptibility Model. IEEE Transactions on Industrial Electronics, 2019, 66, 9226-9237.	5.2	13

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73	Analysis of Sector Update Delay and Its Effect on Digital Control Three-Phase Six-Switch Buck PFC Converters With Wide AC Input Frequency. IEEE Transactions on Power Electronics, 2021, 36, 931-946.	5.4	13
74	Analysis and Improvement of the Effect of Distributed Parasitic Capacitance on High-Frequency High-Density Three-Phase Buck Rectifier. IEEE Transactions on Power Electronics, 2021, 36, 6415-6428.	5.4	13
75	Modelling of switching DC-DC converters by time-averaging equivalent circuit approach Part 1. Continuous conduction mode. International Journal of Electronics, 1993, 74, 465-475.	0.9	12
76	Quadratic boost PFC converter with fast dynamic response and low output voltage ripple. , 2013, , .		12
77	High-Efficiency Zero-Voltage Switching Single-Stage Switching Amplifier With Half-Bridge Active Clamping Circuit. IEEE Transactions on Industrial Electronics, 2018, 65, 8574-8584.	5.2	12
78	Single-Receiver Multioutput Inductive Power Transfer System With Independent Regulation and Unity Power Factor. IEEE Transactions on Power Electronics, 2022, 37, 1159-1171.	5.4	12
79	Zero-voltage zero-current switching DC/DC converter with high step-up and high efficiency. Electronics Letters, 2016, 52, 1250-1252.	0.5	11
80	High-efficiency multi-string LED driver based on constant current bus with time-multiplexing control. Electronics Letters, 2016, 52, 746-748.	0.5	11
81	Stability analysis of V^{2} controlled buck converter operating in CCM and DCM. , 2010, , .		10
82	Soft Switching Symmetric Bipolar Outputs DC-Transformer (DCX) for Eliminating Power Supply Pumping of Half-Bridge Class-D Audio Amplifier. IEEE Transactions on Power Electronics, 2019, 34, 6440-6455.	5.4	10
83	Boost-Type Single-Stage Step-Down Resonant Power Factor Correction Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 8081-8092.	5.2	10
84	Modeling and simulation of V^{2} controlled switching converters. , 0, , .		9
85	HYPERCHAOS FROM AN AUGMENTED L_{∞} SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3689-3698.	0.7	9
86	High stability and reactivity of defective graphene-supported Fe n Pt ₁₃ (n=1, 2, and 3) nanoparticles for oxygen reduction reaction: a theoretical study. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	9
87	Stability Improvement of Pulse Power Supply With Dual-Inductance Active Storage Unit Using Hysteresis Current Control. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 111-120.	2.7	9
88	The effects of control techniques on the transient response of switching DC-DC converters. , 1999, , .		8
89	Comparison study on digital peak current, digital peak voltage, and digital peak voltage/peak current Controlled Buck Converter. , 2009, , .		8
90	A novel tri-state boost PFC converter with fast dynamic performance. , 2010, , .		8

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91	A Reconstructed S-LCC Topology With Dual-Type Outputs for Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2020, 35, 12606-12611.	5.4	8
92	A Constant Frequency ZVS Modulation Scheme for Four-Switch Buck-Boost Converter With Wide Input and Output Voltage Ranges and Reduced Inductor Current. IEEE Transactions on Industrial Electronics, 2023, 70, 4931-4941.	5.2	8
93	Small-signal modeling and analysis of improved digital peak current control of boost converter. , 2009, , .		7
94	A single-inductor dual-output buck converter with pulse-train control. , 2010, , .		7
95	STUDY OF DISCRETE GLOBAL-SLIDING MODE CONTROL FOR SWITCHING DC-DC CONVERTER. Journal of Circuits, Systems and Computers, 2011, 20, 1197-1209.	1.0	7
96	Two-switch equaliser for series-connected battery stack using zeta type converter and symmetrical capacitor-diode circuit. Electronics Letters, 2017, 53, 1600-1602.	0.5	7
97	A Mixed Conduction Mode-Controlled Bridgeless Boost PFC Converter and Its Mission Profile-Based Reliability Analysis. IEEE Transactions on Power Electronics, 2022, 37, 9674-9686.	5.4	7
98	Modelling of switching DC-DC converters by time-averaging equivalent circuit approach Part 2. Discontinuous conduction mode. International Journal of Electronics, 1993, 74, 477-488.	0.9	6
99	Investigation of Subharmonic Oscillation of Digital Control Switching DC-DC Converters. , 2007, , .		6
100	Comments on "Predictive Digital-Controlled Converter With Peak Current-Mode Control and Leading-Edge Modulation". IEEE Transactions on Industrial Electronics, 2012, 59, 4851-4852.	5.2	6
101	High-efficiency high step-up PWM resonant converter. Electronics Letters, 2015, 51, 512-514.	0.5	6
102	Peak current-controlled CRM flyback PFC converter with square of line voltage-compensated primary current envelope. Electronics Letters, 2015, 51, 684-686.	0.5	6
103	Battery powered high efficiency single-stage switching amplifier. Electronics Letters, 2016, 52, 1052-1054.	0.5	6
104	Soft-switching step-up/down DC-DC converter with bipolar outputs. Electronics Letters, 2016, 52, 1404-1406.	0.5	6
105	PWM-PFM hybrid controlled LCC resonant converter with wide ZVS range and narrow switching frequency variation. Electronics Letters, 2017, 53, 1218-1220.	0.5	6
106	2.1-Channel Switching Amplifier With DC/High-Frequency-AC Mixed Power Supply for Efficiency Improvement and Bus Voltage Pumping Elimination. IEEE Transactions on Power Electronics, 2018, 33, 9110-9115.	5.4	6
107	Modularised non-isolated two-switch equaliser using full-wave voltage multiplier for series-connected battery/supercapacitor. IET Power Electronics, 2019, 12, 869-877.	1.5	6
108	An Improved Three-Phase Buck Rectifier With Low Voltage Stress on Switching Devices. IEEE Transactions on Power Electronics, 2021, 36, 6168-6174.	5.4	6

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109	Front-End Bidirectional Symmetric Bipolar Outputs <i>LLC</i> DC-Transformer (DCX) for a Half Bridge Class-D Audio Amplifier. IEEE Transactions on Industrial Electronics, 2021, 68, 10750-10760.	5.2	6
110	Performance Analysis and Improvement of PI-Type Current Controller in Digital Average Current Mode Controlled Three-Phase Six-Switch Boost PFC Rectifier. IEEE Transactions on Power Electronics, 2022, 37, 7871-7882.	5.4	6
111	Widening the Operating Range of a Wireless Charging System Using Tapped Transmitter Winding and Bifrequency Pulse Train Control. IEEE Transactions on Power Electronics, 2022, 37, 13874-13883.	5.4	6
112	An Improved Trapezoidal Voltage Method for Dead-Time Compensation in Three-Phase Voltage Source Converter. IEEE Transactions on Power Electronics, 2022, 37, 8785-8789.	5.4	6
113	ADC architecture with direct binary output for digital controllers of high-frequency SMPS. , 2006, , .		5
114	Elimination of sub-harmonic oscillation of digital average current control buck converter. , 2008, , .		5
115	Effects of modulations on the sub-harmonic oscillations of digital peak current and digital valley current controlled switching DC-DC converters. , 2009, , .		5
116	Analysis and comparison of voltage-mode and current-mode pulse train control buck converter. , 2009, , .		5
117	A Fixed-frequency Sliding Mode Controller for Buck Converter in Continuous Conduction Mode. , 2009, , .		5
118	Single-phase two-switch PCCM buck-boost PFC converter with fast dynamic response for universal input voltage. , 2011, , .		5
119	Unified Pulse-Width Modulation Scheme for Improved Digital-peak-voltage Control of Switching DC-DC Converters. International Journal of Circuit Theory and Applications, 2014, 42, 671-686.	1.3	5
120	Stability Control and Mode Shift of Ramp Compensation in V ₂ Controlled Buck Converter. Chinese Journal of Electronics, 2015, 24, 295-299.	0.7	5
121	Study of global sliding mode controlled switching DC-DC converters. , 2008, , .		4
122	Peak inductor current and differential-mode voltage control of single-inductor dual-output buck converters in continuous conduction mode. , 2009, , .		4
123	Parallel control strategy of single-phase inverter based on virtual impedance. , 2010, , .		4
124	Decoupling control strategy of single phase SPWM parallel inverter. , 2010, , .		4
125	Constant on-time digital peak voltage control for buck converter. , 2010, , .		4
126	Effect of loop gain of ripple cancellation converter on twice-line-frequency voltage ripple in PFC converter. Electronics Letters, 2017, 53, 873-875.	0.5	4

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127	Bipolar Phase Shift Modulation Single-Stage Audio Amplifier Employing a Full Bridge Active Clamp for High Efficiency Low Distortion. IEEE Transactions on Industrial Electronics, 2021, 68, 1118-1129.	5.2	4
128	An Electrolytic Capacitor-Free Half Bridge Class-D Audio Amplifier System Without Bus-Voltage Pumping. IEEE Transactions on Power Electronics, 2021, 36, 9221-9236.	5.4	4
129	Current Controlled with Valley Voltage Detection Three-port Converter with Current-Pulsed Load. , 2019, , .		4
130	A novel zero-current technique for high power full bridge DC-DC converter. , 0, , .		3
131	Flux-weakening control of permanent magnet synchronous motor with direct torque control consideration variation of parameters. , 0, , .		3
132	Algorithm to Overcome Time Delay in Digital Controller of Switching DC-DC Converters. , 2007, , .		3
133	Analysis and Comparison on Digital Peak Voltage Control with Different Modulation Methods. , 2007, , .		3
134	Integrated CMOS current-sensing circuit for current-mode boost converters. , 2008, , .		3
135	Global sliding mode controller for buck converter based on reaching law. , 2008, , .		3
136	Integrated current-sensing circuit with offset-current cancellation for boost converters. , 2008, , .		3
137	Transient performance comparison on digital peak current controlled switching dc-dc converters in DCM with different digital pulse-width modulations. , 2009, , .		3
138	Transient performance improvement for digital control boost power factor correction converters. , 2009, , .		3
139	A novel constant on-time bi-frequency control technique for switching dc-dc converters. , 2010, , .		3
140	Dead-zone digital controllers for improved dynamic response over wide load range in tri-state boost PFC converter. , 2010, , .		3
141	Small signal modeling of digital V_{2} control for buck converter with pulse frequency modulation. , 2010, , .		3
142	Valley V_{2} control technique for switching converters with fast transient response. , 2011, , .		3
143	Analysis of sensorless peak current mode controlled quadratic boost converter. , 2012, , .		3
144	Resonant two-string LED driver with power factor correction and passive current sharing. Electronics Letters, 2015, 51, 1904-1906.	0.5	3

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145	High efficiency two-channel single-stage switching amplifier with power switches multiplexing. Electronics Letters, 2016, 52, 1499-1501.	0.5	3
146	Effect of intermediate capacitance on slow-scale instability of Cuk power factor correction converter operating in discontinuous capacitor voltage mode. IET Power Electronics, 2017, 10, 1975-1981.	1.5	3
147	Direct torque control of induction machines using discrete space vector modulation applied to traction. , 0, , .		2
148	Analysis of Improved Digital Peak Voltage Control Buck Converter with Different DPWM Modulations. , 2007, , .		2
149	Analysis of Buck Converter with Improved Digital Peak Voltage Control Technique. , 2007, , .		2
150	Improved digital average current control of buck converter with dual-edge modulation. , 2008, , .		2
151	Analysis of digital average current control of buck converter with single-edge modulation. , 2008, , .		2
152	Study on switching power converter with discrete global sliding mode control. , 2009, , .		2
153	Boost PFC converter with a new sinusoidal reference current algorithm. , 2009, , .		2
154	A fast transient recovery device for switching dc-dc converters. , 2010, , .		2
155	Generating multi-scroll chaotic attractor from a linear system driven by saturated function series. , 2010, , .		2
156	High-efficiency capacitive idling SEPIC PFC converter with varying reference voltage for wide range of load variations. , 2010, , .		2
157	A current decoupling parallel control strategy of single phase inverter with voltage and current dual closed-loop feedback. , 2010, , .		2
158	A novel PWM control method for switching dc-dc converters with improved dynamic response performance. , 2010, , .		2
159	Analysis of bridgeless pseudo-boost PFC converter. , 2012, , .		2
160	Bi-frequency control for LLC resonant converter with fast transient response. Electronics Letters, 2016, 52, 1710-1712.	0.5	2
161	Capacitor current fixed off-time control for buck converter with fast response and output capacitor ESR independence. , 2016, , .		2
162	High power PWM amplifier with coupling inductor based parallel structure for magnetic resonance imaging. , 2017, , .		2

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163	Voltage-mode variable frequency control for single-inductor dual-output buck converter with fast transient response. , 2017, , .		2
164	Double-Line Frequency Ripple Suppression of a Quasi-Single Stage ACâ€“DC Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2074-2078.	2.2	2
165	Design and optimization of 3â€“kW inductive power transfer charging system with compact asymmetric loosely coupled transformer for special applications. International Journal of Circuit Theory and Applications, 2021, 49, 1061-1077.	1.3	2
166	Loss minimization of direct torque control of permanent magnet synchronous machine. , 0, , .		1
167	Nonlinear Compensation in Digital Controller of Switching DC-DC Converters. , 2007, , .		1
168	Study on the fluorescent lamp inverter of stand-alone photovoltaic lighting system. , 2008, , .		1
169	Improved digital peak current control of switching dc-dc converters with single-edge and dual-edge pulse-width modulations. , 2009, , .		1
170	Analysis of Multilevel Pulse Train control technique for boost converter operating in discontinuous conduction mode. , 2009, , .		1
171	Generalized projective synchronization of n-Scroll chaotic jerk system. , 2009, , .		1
172	Multi Pulses Regulation — A novel control technique for buck converter in discontinuous conduction mode. , 2009, , .		1
173	Generalized Projective Synchronization for Multi-wing Chaotic Attractors. , 2010, , .		1
174	Inductive idling boost converter with low inductor current-ripple and improved dynamic response for power factor correction. , 2010, , .		1
175	Modified pulse train control technique for switching dc-dc converters. , 2011, , .		1
176	Tri-state boost PFC converter with high input power factor. , 2012, , .		1
177	Constant frequency turn-on time control dynamic voltage scaling boost converter. , 2013, , .		1
178	HB-LED driver based on single-inductor-dual-output switching converters in pseudo-continuous conduction mode. , 2013, , .		1
179	Embedded Bidirectional Buckâ€“Boost Converter in Half Bridge Class-D Audio Amplifier for Suppressing Bus Voltage Pumping. IEEE Transactions on Industrial Electronics, 2022, 69, 1454-1464.	5.2	1
180	Individually Regulated Dual-Output IPT System Based on Current-Mode Switching Cells. IEEE Transactions on Industrial Electronics, 2021, 68, 12930-12934.	5.2	1

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181	Analysis of quasi-resonant converters using a unified averaging technique. , 0, , .		0
182	Small signal analysis of boost converter utilizing $V/\sup 2/$ control technique. , 0, , .		0
183	Flash ADC with Large Conversion Range for Digital Controller of High-Frequency Power Converter. , 2006, , .		0
184	Algorithms to overcome time delay in digital peak current control. , 2008, , .		0
185	An Unsymmetrical Hyperchaotic Attractor. , 2008, , .		0
186	On the stability of $V²C$ controlled boost converter in continuous conduction mode. , 2009, , .		0
187	Peak inductor current and differential-mode voltage control of single-inductor multiple-output buck converters in CCM. , 2009, , .		0
188	Controlling double-scroll chaotic $L\&\#x00FC$; attractor to diffornity. , 2009, , .		0
189	A single-inductor dual-output buck converter with voltage mode pulse-train control. , 2010, , .		0
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