

Kuo-Ing Hwu

List of Publications by Year in descending order

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papers

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201575

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216
all docs

216
docs citations

216
times ranked

1166
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Buck-Boost Converter Combining KY and Buck Converters. IEEE Transactions on Power Electronics, 2012, 27, 2236-2241.	5.4	141
2	KY Converter and Its Derivatives. IEEE Transactions on Power Electronics, 2009, 24, 128-137.	5.4	129
3	Two Types of KY Buck-Boost Converters. IEEE Transactions on Industrial Electronics, 2009, 56, 2970-2980.	5.2	86
4	A Simple Current-Balancing Converter for LED Lighting. , 2009, , .		85
5	A KY Boost Converter. IEEE Transactions on Power Electronics, 2010, 25, 2699-2703.	5.4	85
6	Ultrahigh Step-Down Converter. IEEE Transactions on Power Electronics, 2015, 30, 3262-3274.	5.4	79
7	High Step-Up Converter Based on Charge Pump and Boost Converter. IEEE Transactions on Power Electronics, 2012, 27, 2484-2494.	5.4	75
8	High Step-Up Converter Based on Coupling Inductor and Bootstrap Capacitors With Active Clamping. IEEE Transactions on Power Electronics, 2014, 29, 2655-2660.	5.4	67
9	Powering LED Using High-Efficiency SR Flyback Converter. IEEE Transactions on Industry Applications, 2011, 47, 376-386.	3.3	64
10	Performance Enhancement of Boost Converter Based on PID Controller Plus Linear-to-Nonlinear Translator. IEEE Transactions on Power Electronics, 2010, 25, 1351-1361.	5.4	52
11	An Interleaved AC-DC Converter Based on Current Tracking. IEEE Transactions on Industrial Electronics, 2009, 56, 1456-1463.	5.2	51
12	Applying a Counter-based PWM Control Scheme to an FPGA-based SR Forward Converter. , 0, , .		48
13	An Expandable Two-Phase Interleaved Ultrahigh Step-Down Converter With Automatic Current Balance. IEEE Transactions on Power Electronics, 2017, 32, 9223-9237.	5.4	44
14	Voltage Gain Enhancement for a Step-Up Converter Constructed by KY and Buck-Boost Converters. IEEE Transactions on Industrial Electronics, 2014, 61, 1758-1768.	5.2	43
15	High Voltage-Boosting Converters Based on Bootstrap Capacitors and Boost Inductors. IEEE Transactions on Industrial Electronics, 2013, 60, 2178-2193.	5.2	41
16	Nonisolated Coupled-Inductor-Based High Step-Down Converter With Zero DC Magnetizing Inductance Current and Nonpulsating Output Current. IEEE Transactions on Power Electronics, 2016, 31, 4362-4377.	5.4	41
17	Voltage-Boosting Converter Based on Charge Pump and Coupling Inductor With Passive Voltage Clamping. IEEE Transactions on Industrial Electronics, 2010, 57, 1719-1727.	5.2	39
18	Isolated step-up converter based on flyback converter and charge pumps. IET Power Electronics, 2014, 7, 2250-2257.	1.5	38

#	ARTICLE	IF	CITATIONS
19	Controllable and Dimmable AC LED Driver Based on FPGA to Achieve High PF and Low THD. IEEE Transactions on Industrial Informatics, 2013, 9, 1330-1342.	7.2	36
20	Ultrahigh Step-Down Converter With Wide Input Voltage Range Based on Topology Exchange. IEEE Transactions on Power Electronics, 2017, 32, 5341-5364.	5.4	36
21	Step-up converter combining KY and buck-boost converters. Electronics Letters, 2011, 47, 722.	0.5	35
22	An Expandable Four-Phase Interleaved High Step-Down Converter With Low Switch Voltage Stress and Automatic Uniform Current Sharing. IEEE Transactions on Industrial Electronics, 2016, 63, 6064-6072.	5.2	35
23	Analysis, design and derivation of a two-phase converter. IET Power Electronics, 2015, 8, 1987-1995.	1.5	33
24	Inductor-coupled KY boost converter. Electronics Letters, 2010, 46, 1624.	0.5	30
25	Voltage-boosting converters with hybrid energy pumping. IET Power Electronics, 2012, 5, 185.	1.5	30
26	A Dimmable LED Driver Based on Current Balancing Transformer With Magnetizing Energy Recycling Considered. Journal of Display Technology, 2014, 10, 388-395.	1.3	30
27	Bidirectional Operation of High Step-Down Converter. IEEE Transactions on Power Electronics, 2015, 30, 6829-6844.	5.4	30
28	Applying one-comparator counter-based sampling to current sharing control of multi-channel LED strings. , 2010, , .		29
29	Applying One-Comparator Counter-Based Sampling to Current Sharing Control of Multichannel LED Strings. IEEE Transactions on Industry Applications, 2011, 47, 2413-2421.	3.3	29
30	Nonisolated Two-Channel LED Driver With Automatic Current Balance and Zero-Voltage Switching. IEEE Transactions on Power Electronics, 2016, 31, 8359-8370.	5.4	29
31	High-step-up single-switch DC-DC converter with low voltage spike. IET Power Electronics, 2015, 8, 2504-2510.	1.5	28
32	Light-emitting diode driver with low-frequency ripple suppressed and dimming efficiency improved. IET Power Electronics, 2014, 7, 105-113.	1.5	27
33	Improvement of One-comparator Counter-based PWM Control by Applying a Sawtoothed Wave Injection Method. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	26
34	A Novel Voltage-boosting Converter: KY Converter. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	25
35	Fully Digitalized Implementation of PFC Rectifier in CCM Without ADC. IEEE Transactions on Power Electronics, 2012, 27, 4021-4029.	5.4	25
36	Dimmable AC LED Driver With Efficiency Improved Based on Switched LED Module. Journal of Display Technology, 2014, 10, 171-181.	1.3	22

#	ARTICLE	IF	CITATIONS
37	Voltage Gain Improvement of a High-Step-Down Converter With Coupled-Inductor Core Size Reduction Based on Flux Linkage. IEEE Transactions on Power Electronics, 2018, 33, 6033-6047.	5.4	20
38	Nonisolated Two-Phase Interleaved LED Driver With Capacitive Current Sharing. IEEE Transactions on Power Electronics, 2018, 33, 2295-2306.	5.4	20
39	High-voltage-boosting converter with charge pump capacitor and coupling inductor combined with buck-boost converter. IET Power Electronics, 2014, 7, 177-188.	1.5	19
40	Step-down converter with wide voltage conversion ratio. IET Power Electronics, 2015, 8, 2136-2144.	1.5	19
41	Current Sharing Control Strategy Based on Phase Link. IEEE Transactions on Industrial Electronics, 2012, 59, 701-713.	5.2	18
42	Resonant Voltage Divider With Bidirectional Operation and Startup Considered. IEEE Transactions on Power Electronics, 2012, 27, 1996-2006.	5.4	17
43	A LED current balancing driver with magnetizing inductance energy recycling considered. , 2012, , .		17
44	Dimmable driver for light-emitting diode with total harmonic distortion improved. IET Power Electronics, 2012, 5, 59.	1.5	16
45	Powering LED Using High-Efficiency SR Flyback Converter. , 2009, , .		15
46	High step-up converter based on charge pump and boost converter. , 2010, , .		13
47	Full-Digital AC-DC Converter With PFC Based on Counting. IEEE Transactions on Industrial Informatics, 2015, 11, 122-131.	7.2	13
48	Single-Switch Coupled-Inductor-Based Two-Channel LED Driver With a Passive Regenerative Snubber. IEEE Transactions on Power Electronics, 2017, 32, 4482-4490.	5.4	13
49	Applying Differential-Mode Transformer to Current Sharing With Current Ripple Considered. IEEE Transactions on Industrial Electronics, 2011, 58, 2755-2771.	5.2	12
50	Active load for burn-in test of buck-type DC-DC converter with ultra-low output voltage. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	11
51	A high brightness light-emitting diode driver with power factor and total harmonic distortion improved. , 2011, , .		11
52	LED dimming with efficiency considered. Electronics Letters, 2011, 47, 457.	0.5	11
53	Analysis and design of a high-step-down ratio resonant converter. IET Power Electronics, 2016, 9, 864-873.	1.5	11
54	Isolated high voltage-boosting converter derived from forward converter. International Journal of Circuit Theory and Applications, 2016, 44, 280-304.	1.3	10

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55	Thermoelectric Energy Conversion System With Multiple Inputs. IEEE Transactions on Power Electronics, 2020, 35, 1603-1621.	5.4	10
56	A Novel Dimming Technique for Cold Cathode Fluorescent Lamp. , 2007, , .		9
57	Soft switching of KY converter. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	9
58	An isolated high step-up converter with continuous input current and LC snubber. , 2016, , .		9
59	Interleaved Boost Converter with ZVT-ZCT for the Main Switches and ZCS for the Auxiliary Switch. Applied Sciences (Switzerland), 2020, 10, 2033.	1.3	9
60	A Novel voltage-boosting converter with passive voltage clamping. , 2008, , .		8
61	Expandable two-channel LED driver with galvanic isolation and automatic current balance. IET Power Electronics, 2018, 11, 825-833.	1.5	8
62	A novel voltage-bucking/boosting converter: KY buck-boost converter. , 2008, , .		7
63	Improvement of one-comparator counter-based PFM control for DC-DC converter. , 2009, , .		7
64	A novel negative-output KY buck-boost converter. , 2009, , .		7
65	Dual-output buck-boost converter with positive and negative output voltages under single positive voltage source fed. , 2010, , .		7
66	Dimmable AC LED Driver Based on Series Drive. Journal of Display Technology, 2016, 12, 1097-1105.	1.3	7
67	Ultrahigh step-down converter with active clamp. , 2017, , .		7
68	A new bridgeless buck PFC rectifier. International Journal of Circuit Theory and Applications, 2017, 45, 707-719.	1.3	7
69	A Forward Converter Having an FPGA-based PID Controller with Parameters On-line Tuned. , 0, , .		6
70	Improvement in Efficiency of the Phase-shift Current-doubler-rectification ZVS Full-bridge DC-DC Converter. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	6
71	Simple design of a soft-switching buck converter. , 2008, , .		6
72	Topology exchange between KY converter and its derivative. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	6

#	ARTICLE	IF	CITATIONS
73	Negative-output KY boost converter. , 2009, , .		6
74	Bidirectional control of inverse KY converter. , 2009, , .		6
75	Negative-output KY buck-boost converter. , 2009, , .		6
76	Light-load efficiency improvement for flyback converter based on hybrid clamp circuit. , 2016, , .		6
77	Automatic current-sharing extendable two-channel LED driver with non-pulsating input current and zero dc flux. International Journal of Circuit Theory and Applications, 2018, 46, 1462-1484.	1.3	6
78	Two-Phase Interleaved Boost Converter with ZVT Turn-On for Main Switches and ZCS Turn-Off for Auxiliary Switches Based on One Resonant Loop. Applied Sciences (Switzerland), 2020, 10, 3881.	1.3	6
79	Applying a Counter-based PFM Control Strategy to an FPGA-based SR Forward Converter. , 2006, , .		5
80	A simple passive ZCS circuit for PFC converter. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	5
81	Soft Switching of Negative-Output KY Buck Converter. , 2009, , .		5
82	KY converter with zero voltage switching. , 2010, , .		5
83	A simple step-up converter. , 2011, , .		5
84	Inductor saturation detection with anti-saturation control strategy applied. , 2013, , .		5
85	Photovoltaic Energy Conversion System Constructed by High Step-Up Converter with Hybrid Maximum Power Point Tracking. International Journal of Photoenergy, 2013, 2013, 1-9.	1.4	5
86	Ultra high step-down converter. , 2014, , .		5
87	Improvement on voltage gain for KY converter. IET Power Electronics, 2015, 8, 361-370.	1.5	5
88	Dimmable LED Driver Based on Twin-Bus Converter and Differential-Mode Transformer. Journal of Display Technology, 2016, 12, 1122-1129.	1.3	5
89	DC-DC converter with large step-down voltage conversion ratio. , 2016, , .		5
90	Input-Current-Ripple-Free Two-Channel LED Driver. IEEE Transactions on Industrial Electronics, 2017, 64, 5865-5874.	5.2	5

#	ARTICLE	IF	CITATIONS
91	Analysis and design of type 3 compensator for the buck converter based on PSIM. , 2018, , .		5
92	Series-type charger with output voltage automatically regulated and hot swap. International Journal of Circuit Theory and Applications, 2019, 47, 633-639.	1.3	5
93	AC-DC Flyback Dimmable LED Driver with Low-Frequency Current Ripple Reduced and Power Dissipation in BJT Linearly Proportional to LED Current. Energies, 2020, 13, 4270.	1.6	5
94	A Simple Resonant Voltage Divider. , 2009, , .		4
95	On the design of fuzzy-controlled KY converter. , 2009, , .		4
96	A Novel Dimming Technique for Cold Cathode Fluorescent Lamp. IEEE Transactions on Industry Applications, 2010, 46, 2196-2201.	3.3	4
97	Pulse-Frequency-Modulated Digital Control of Power Supply Without Analog-to-Digital Converter Using Positive-Sloped Ramp Wave Injection. IEEE Transactions on Industrial Informatics, 2013, 9, 739-748.	7.2	4
98	Improvement in voltage conversion ratio for step up converter established by KY and buck-boost converters based on coupled inductor. IET Power Electronics, 2014, 7, 1457-1465.	1.5	4
99	Improvement in Efficiency of LED Lighting System Based on Reduction of Voltage across MOSFET. IEEE Journal of Industry Applications, 2015, 4, 650-653.	0.9	4
100	Implementation of type III controller for KY converter based on PSIM. , 2015, , .		4
101	Time-sharing PWM control scheme for isolated multi-output DC-DC converter. Electronics Letters, 2015, 51, 1446-1447.	0.5	4
102	Non-isolated large step-down voltage conversion ratio converter with non-pulsating output current. International Journal of Circuit Theory and Applications, 2016, 44, 1657-1684.	1.3	4
103	A fast response voltage control circuit for automotive alternator system. , 2016, , .		4
104	Efficiency improvement for LLC converter based on automatic tuning of blanking time. International Journal of Circuit Theory and Applications, 2019, 47, 1477-1501.	1.3	4
105	Simple Structure of Soft Switching for Boost Converter. Energies, 2020, 13, 5448.	1.6	4
106	Minimization of Output Voltage Ripple of Two-Phase Interleaved Buck Converter with Active Clamp. Energies, 2021, 14, 5215.	1.6	4
107	A Single-Voltage-Source Class-D Boost Multi-Level Inverter with Self-Balanced Capacitors. Energies, 2022, 15, 4082.	1.6	4
108	Feedforward Compensation for One-Comparator Counter-Based PWM Control Based on FPGA. , 2007, , .		3

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109	FPGA-Based Phase-Shift ZVS Full-Bridge DC-DC Converter Using One-Comparator Counter-Based PWM Control Strategy. , 2007, , .		3
110	A gate driver with negative and double positive output voltages under positive-voltage source. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	3
111	Design of a digitalized burn-in test plant. , 2008, , .		3
112	Applying DSP-based two-stage AC-DC converter to drive SRM with sampling and startup considered. , 2009, , .		3
113	Performance Enhancement of Boost Converter Based on Linear-to-Nonlinear Translator. , 2009, , .		3
114	A novel negative-output KY boost converter. , 2009, , .		3
115	Dual-output boost converter with positive and negative output voltages under single positive voltage source fed. , 2010, , .		3
116	Fully-digitalized implementation of PFC rectifier in CCM without ADC. , 2011, , .		3
117	High step-up converter based on coupling inductor and bootstrap capacitors with active clamping. , 2012, , .		3
118	Voltage gain enhancement of KY converter. , 2013, , .		3
119	Applying module-link method to multiple power supplies paralleled. , 2017, , .		3
120	Thermoelectric Conversion System With Dimmable LED Lighting. IEEE Access, 2019, 7, 42396-42407.	2.6	3
121	Active Clamp Boost Converter with Blanking Time Tuning Considered. Applied Sciences (Switzerland), 2021, 11, 860.	1.3	3
122	Applying FPGA Control with ADC-Free Sampling to Multi-Output Forward Converter. Electronics (Switzerland), 2021, 10, 1010.	1.8	3
123	Improved KY Converter. Journal of Electrical Engineering and Technology, 2015, 10, 1578-1588.	1.2	3
124	A Counter-based SR Forward Converter with Standby Power Reduction Considered. , 0, , .		2
125	Improvement in transient upload response of boost converter using input inductor current injection based on FPGA digital control. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	2
126	2nd-order derived KY converters: 1-plus-2D and 2-plus-D converters. , 2008, , .		2

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127	Estimation of individual leakage inductances of a transformer based on measurements. , 2008, , .		2
128	Digital control of isolated two-stage DC-DC converter with synchronization considered. , 2009, , .		2
129	One-comparator counter-based PWM control for DC-AC converter. , 2009, , .		2
130	Development of AC-DC converter for laboratory power amplifier. , 2009, , .		2
131	Applying multi-channel sampling to one-comparator counter-based sampling to enhance system robustness. , 2010, , .		2
132	Applying one-comparator counter-based PWM control strategy to DC-AC converter with voltage reference feedforward control considered. , 2011, , .		2
133	Dual-output boost converter. , 2011, , .		2
134	Negative-output resonant voltage divider. , 2011, , .		2
135	High-voltage boost converter. , 2011, , .		2
136	High voltage boosting converter. , 2012, , .		2
137	A novel high step-up converter. , 2013, , .		2
138	One-comparator sampling based on positive-slope and negative-slope saw-toothed waves. , 2015, , .		2
139	System clock reduction based on multiple sampling for digital switching power supplies. , 2015, , .		2
140	Study and simulation on control-to-output transfer function of KY boost converter. , 2015, , .		2
141	Performance comparison between tapped-inductor buck converter and ultrahigh step-down converter. International Journal of Electronics Letters, 2017, 5, 475-490.	0.7	2
142	Series-Based AC LED Driver with Efficiency Improved. Electric Power Components and Systems, 2018, 46, 637-646.	1.0	2
143	Enhancement of System Stability Based on PWFm. Electronics (Switzerland), 2019, 8, 399.	1.8	2
144	Implementation of a Dimmable LED Driver with Extendable Parallel Structure and Capacitive Current Sharing. Applied Sciences (Switzerland), 2019, 9, 5177.	1.3	2

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145	Applying Mode Exchange to High Step-Down Converter to Obtain Wide Input Voltage Range. , 2021, , .		2
146	LLC LED Driver with Current-Sharing Capacitor Having Low Voltage Stress. Energies, 2021, 14, 112.	1.6	2
147	High Step Down Converter with Capacitive Isolation. , 2021, , .		2
148	Four-Channel Buck-Type LED Driver with Automatic Current Sharing and Soft Switching. Applied Sciences (Switzerland), 2022, 12, 5842.	1.3	2
149	Improvement of the Unloading Transient Response for the PFM-controlled Buck-type Converter. , 2006, , .		1
150	Improvement of Transient Load Response for the ZVS Buck Converter Using FPGA-based Control. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	1
151	A nonisolated voltage-boosting converter with high voltage ratio suitable for an active load. , 2007, , .		1
152	A Novel Gate Driver with Output Voltage Having Double Source Voltage. , 2007, , .		1
153	A Novel Gate Driver with Positive and Negative Output Voltages. , 2007, , .		1
154	Output power enhancement of full-bridge class-D amplifier. , 2010, , .		1
155	High step-up converter based on two charge pumps with one inductor inserted. , 2011, , .		1
156	A buck resonant voltage divider with bidirectional operation considered. , 2011, , .		1
157	A novel gate driver with output having positive input voltage and negative double input voltage. , 2012, , .		1
158	A gate driver with output voltage equal to triple input voltage. , 2012, , .		1
159	A novel inductor-coupled step-up-down converter. , 2012, , .		1
160	High step-up converter based on multi-winding coupled inductor and charge pump capacitor. , 2013, , .		1
161	A Buck Resonant Voltage Divider With Bidirectional Operation Considered. IEEE Transactions on Industry Applications, 2013, 49, 1566-1576.	3.3	1
162	A novel voltage-boosting converter with leakage inductance energy recycling. , 2015, , .		1

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163	PFC Converter with Improved Input Current Zero-crossing Distortion. Electric Power Components and Systems, 2017, 45, 1329-1338.	1.0	1
164	Three-level boost converter with zero voltage transition. Journal of Engineering, 2017, 2017, 354-361.	0.6	1
165	Digital compensator design for high-frequency hybrid resonant buck converter. , 2018, , .		1
166	Analysis and design of type 3 compensator for the boost converter based on PSIM. , 2018, , .		1
167	Bridgeless Buck-Boost PFC Rectifier with Positive Output Voltage. Applied Sciences (Switzerland), 2019, 9, 3483.	1.3	1
168	Improvement in Voltage Conversion Ratio of Ultrahigh Step-Down Converter. Energies, 2019, 12, 3896.	1.6	1
169	ZETA Dual-Loop Control Based on Voltage Across Transferring Capacitor Sensed. , 2019, , .		1
170	Light-Load Efficiency Improvement for Ultrahigh Step-Down Converter Based on Skip Mode. Electronics (Switzerland), 2021, 10, 355.	1.8	1
171	Bridgeless Isolated AC LED Driver. Processes, 2021, 9, 1173.	1.3	1
172	Soft Switching of Non-Isolated Buck-Type Converter with Common-Ground Switch. Energies, 2021, 14, 5290.	1.6	1
173	An Isolated High Step-Up Converter with Non-Pulsating Input Current for Renewable Energy Applications. Journal of Power Electronics, 2016, 16, 1277-1287.	0.9	1
174	Development of Four-Channel Buck-Type LED Driver with Automatic Current Sharing. Energies, 2021, 14, 7844.	1.6	1
175	Development of a Thermal Energy Harvesting Converter with Multiple Inputs and an Isolated Output. Energies, 2022, 15, 273.	1.6	1
176	Performance improvement of hysteresis voltage-controlled forward converters using FPGA-based SR control. , 0, , .		0
177	Applying an FPGA_based SR Control Technique to the Forward Converter to Upgrade Transient Load Response. , 2006, , .		0
178	Development of a parallel strategy to reduce the heat problem using time-divided operation. , 2007, , .		0
179	Development of interleaved control for the PFC flyback converter. , 2007, , .		0
180	Applying Modified One-Comparator Counter-Based PWM Control Strategy to Flyback Converter. , 2007, , .		0

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181	Multi-phase voltage-boosting circuit with only one voltage-clamping snubber required. , 2008, , .		0
182	Development of two power supply modules paralleled. , 2008, , .		0
183	A simple FPGA-based current sharing topology based on the one-comparator counter-based PWM control strategy. , 2008, , .		0
184	Realization of the maximum utilization effectiveness of semiconductor devices and magnetic components for push-pull converters. , 2008, , .		0
185	Output Power Enhancement of Single-Ended Class-D Amplifier Without DC Blocking Capacitor and Negative Voltage Source Required. , 2009, , .		0
186	A novel passive voltage-clamping snubber applied to coupled-boost converter. , 2009, , .		0
187	A KY Boost Converter. , 2009, , .		0
188	A novel voltage bucking/boosting converter. , 2009, , .		0
189	Resonant voltage divider with startup considered. , 2010, , .		0
190	Multi-output synchronously-rectified forward converter with load transient considered. , 2010, , .		0
191	Two-stage-cascaded Li-battery charger with current ripple considered. , 2010, , .		0
192	Bidirectional operation of resonant voltage divider. , 2010, , .		0
193	FPGA-based Li-battery-series charger with energy recycling considered. , 2010, , .		0
194	2nd-order voltage-boosting converter based on charge pump and coupling inductor with passive voltage clamping. , 2011, , .		0
195	A novel voltage-boosting converter based on charge pumps with one inductor inserted. , 2011, , .		0
196	Simple modeling of DC-DC converter. , 2011, , .		0
197	Simple current sharing control based on differential-mode transformer. , 2011, , .		0
198	High step-up converter based on coupling inductor and charge pump with active voltage clamping. , 2011, , .		0

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199	A novel step-up converter. , 2012, , .		0
200	A novel gate driver with output voltage having triple input voltage. , 2012, , .		0
201	Applying coupled inductor to step-up converter combining KY and buck-boost converters. , 2013, , .		0
202	A novel gate driver with output possessing triple input voltage and negative double input voltage. , 2013, , .		0
203	Improvement in efficiency of LED lighting system. , 2014, , .		0
204	Load transient response improvement based on PID control. , 2014, , .		0
205	Isolated voltage-boosting converter. , 2014, , .		0
206	A novel high voltage-boosting converter with active clamp. , 2015, , .		0
207	Non-isolated dual half-bridge ZVS/ZCS high step-down converter with zero DC bias current coupled inductor and active clamp. , 2016, , .		0
208	Reduction of low-frequency output voltage ripple for isolated high-power-factor AC-DC converter. International Journal of Electronics Letters, 2017, 5, 349-357.	0.7	0
209	Coupled-Inductor-Based High-Step-Down-Ratio Converter with Output Current Ripple Reduction. Electric Power Components and Systems, 2017, 45, 1599-1606.	1.0	0
210	Derivations of transfer functions from physical insight. , 2017, , .		0
211	An extensible two-phase high voltage-boosting converter with automatic current balance. International Journal of Circuit Theory and Applications, 2018, 46, 483-504.	1.3	0
212	A dimmable LED driver based on H-bridge and differential-mode transformer. , 2018, , .		0
213	Improvement in Voltage Gain of Interleaved High Step-Down Converter. Energies, 2020, 13, 1019.	1.6	0
214	Dynamic Response Improvement Based on PID Control. IEEJ Journal of Industry Applications, 2016, 5, 26-31.	0.9	0
215	Improvement of Light Load Efficiency for Ultrahigh Step-Down Converter. , 2020, , .		0
216	Two-Channel LLC Resonant LED Driver based on Current Sharing Capacitor. , 2021, , .		0