

Gun-Woo Moon

List of Publications by Year in descending order

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301
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times ranked

3515
citing authors

#	ARTICLE	IF	CITATIONS
1	A Chain Structure of Switched Capacitor for Improved Cell Balancing Speed of Lithium-Ion Batteries. IEEE Transactions on Industrial Electronics, 2014, 61, 3989-3999.	5.2	279
2	A Modularized Charge Equalizer for an HEV Lithium-Ion Battery String. IEEE Transactions on Industrial Electronics, 2009, 56, 1464-1476.	5.2	262
3	A Modularized Charge Equalizer Using a Battery Monitoring IC for Series-Connected Li-Ion Battery Strings in Electric Vehicles. IEEE Transactions on Power Electronics, 2013, 28, 3779-3787.	5.4	261
4	Single-Magnetic Cell-to-Cell Charge Equalization Converter With Reduced Number of Transformer Windings. IEEE Transactions on Power Electronics, 2012, 27, 2900-2911.	5.4	224
5	A New Active Clamping Zero-Voltage Switching PWM Current-Fed Half-Bridge Converter. IEEE Transactions on Power Electronics, 2005, 20, 1271-1279.	5.4	197
6	Nonisolated High Step-up Boost Converter Integrated With Sepic Converter. IEEE Transactions on Power Electronics, 2010, 25, 2266-2275.	5.4	194
7	A Modularized Two-Stage Charge Equalizer With Cell Selection Switches for Series-Connected Lithium-Ion Battery String in an HEV. IEEE Transactions on Power Electronics, 2012, 27, 3764-3774.	5.4	180
8	LLC Resonant Converter With Adaptive Link-Voltage Variation for a High-Power-Density Adapter. IEEE Transactions on Power Electronics, 2010, 25, 2248-2252.	5.4	160
9	Analysis and Design of a Three-Level LLC Series Resonant Converter for High- and Wide-Input-Voltage Applications. IEEE Transactions on Power Electronics, 2012, 27, 2966-2979.	5.4	157
10	Interleaved Buck Converter Having Low Switching Losses and Improved Step-Down Conversion Ratio. IEEE Transactions on Power Electronics, 2012, 27, 3664-3675.	5.4	152
11	Novel Two-Phase Interleaved LLC Series-Resonant Converter Using a Phase of the Resonant Capacitor. IEEE Transactions on Industrial Electronics, 2009, 56, 1815-1819.	5.2	144
12	Center-Cell Concentration Structure of a Cell-to-Cell Balancing Circuit With a Reduced Number of Switches. IEEE Transactions on Power Electronics, 2014, 29, 5285-5297.	5.4	144
13	Nonisolated High Step-Up Stacked Converter Based on Boost-Integrated Isolated Converter. IEEE Transactions on Power Electronics, 2011, 26, 577-587.	5.4	133
14	Asymmetric PWM Control Scheme During Hold-Up Time for LLC Resonant Converter. IEEE Transactions on Industrial Electronics, 2012, 59, 2992-2997.	5.2	126
15	New Zero-Voltage-Switching Phase-Shift Full-Bridge Converter With Low Conduction Losses. IEEE Transactions on Industrial Electronics, 2005, 52, 228-235.	5.2	123
16	High-Efficiency Active-Clamp Forward Converter With Transient Current Build-Up (TCB) ZVS Technique. IEEE Transactions on Industrial Electronics, 2007, 54, 310-318.	5.2	111
17	A New Phase-Shifted Full-Bridge Converter With Voltage-Doubler-Type Rectifier for High-Efficiency PDP Sustaining Power Module. IEEE Transactions on Industrial Electronics, 2008, 55, 2450-2458.	5.2	111
18	A Simple Switching Control Technique for Improving Light Load Efficiency in a Phase-Shifted Full-Bridge Converter with a Server Power System. IEEE Transactions on Power Electronics, 2014, 29, 1562-1566.	5.4	102

#	ARTICLE	IF	CITATIONS
19	Wide-Range ZVS Phase-Shift Full-Bridge Converter With Reduced Conduction Loss Caused by Circulating Current. IEEE Transactions on Power Electronics, 2013, 28, 3308-3316.	5.4	99
20	A New LLC Series Resonant Converter with a Narrow Switching Frequency Variation and Reduced Conduction Losses. IEEE Transactions on Power Electronics, 2014, 29, 4278-4287.	5.4	99
21	Analysis and Design of Phase Shift Full Bridge Converter With Series-Connected Two Transformers. IEEE Transactions on Power Electronics, 2004, 19, 411-419.	5.4	97
22	High Step-Up DC-DC Converters Using Zero-Voltage Switching Boost Integration Technique and Light-Load Frequency Modulation Control. IEEE Transactions on Power Electronics, 2012, 27, 1383-1400.	5.4	97
23	A New Phase-Shifted Full-Bridge Converter With Maximum Duty Operation for Server Power System. IEEE Transactions on Power Electronics, 2011, 26, 3491-3500.	5.4	95
24	A New Control Method of Interleaved Single-Stage Flyback AC-DC Converter for Outdoor LED Lighting Systems. IEEE Transactions on Power Electronics, 2013, 28, 4051-4062.	5.4	93
25	Soft-Switching DC/DC Converter With a Full ZVS Range and Reduced Output Filter for High-Voltage Applications. IEEE Transactions on Power Electronics, 2013, 28, 112-122.	5.4	93
26	A Half-Bridge LLC Resonant Converter Adopting Boost PWM Control Scheme for Hold-Up State Operation. IEEE Transactions on Power Electronics, 2014, 29, 841-850.	5.4	88
27	The s - Q Analysis for an LLC Series Resonant Converter. IEEE Transactions on Power Electronics, 2014, 29, 13-16.	5.4	88
28	Half-Bridge Integrated ZVS Full-Bridge Converter With Reduced Conduction Loss for Electric Vehicle Battery Chargers. IEEE Transactions on Industrial Electronics, 2014, 61, 3978-3988.	5.2	88
29	Phase-Shifted PWM Converter With a Wide ZVS Range and Reduced Circulating Current. IEEE Transactions on Power Electronics, 2013, 28, 908-919.	5.4	86
30	Wireless Power Transfer System with an Asymmetric 4-Coil Resonator for Electric Vehicle Battery Chargers. IEEE Transactions on Power Electronics, 2015, , 1-1.	5.4	86
31	Analysis on Load Adaptive Phase-Shift Control for High Efficiency Full-Bridge LLC Resonant Converter in Light Load Conditions. IEEE Transactions on Power Electronics, 2015, , 1-1.	5.4	86
32	Analysis of LLC Resonant Converter considering effects of parasitic components. , 2009, , .		81
33	Phase-Shifted Full-Bridge DC-DC Converter With High Efficiency and High Power Density Using Center-Tapped Clamp Circuit for Battery Charging in Electric Vehicles. IEEE Transactions on Power Electronics, 2019, 34, 10945-10959.	5.4	78
34	High Step-up Boost Converter Integrated With a Transformer-Assisted Auxiliary Circuit Employing Quasi-Resonant Operation. IEEE Transactions on Power Electronics, 2012, 27, 1974-1984.	5.4	72
35	Battery Impedance Analysis Considering DC Component in Sinusoidal Ripple-Current Charging. IEEE Transactions on Industrial Electronics, 2016, 63, 1561-1573.	5.2	72
36	Voltage Oscillation Reduction Technique for Phase-Shift Full-Bridge Converter. IEEE Transactions on Industrial Electronics, 2007, 54, 2779-2790.	5.2	70

#	ARTICLE	IF	CITATIONS
37	Improving the Light-Load Regulation Capability of LLC Series Resonant Converter Using Impedance Analysis. IEEE Transactions on Power Electronics, 2017, 32, 7056-7067.	5.4	69
38	A current control for a permanent magnet synchronous motor with a simple disturbance estimation scheme. IEEE Transactions on Control Systems Technology, 1999, 7, 630-633.	3.2	67
39	High Efficiency LLC Resonant Converter with High Voltage Gain Using Auxiliary LC Resonant Circuit. IEEE Transactions on Power Electronics, 2015, , 1-1.	5.4	67
40	An Asymmetric Half-Bridge Resonant Converter Having a Reduced Conduction Loss for DC/DC Power Applications With a Wide Range of Low Input Voltage. IEEE Transactions on Power Electronics, 2017, 32, 7795-7804.	5.4	65
41	A New Standby Structure Using Multi-Output Full-Bridge Converter Integrating Flyback Converter. IEEE Transactions on Industrial Electronics, 2011, 58, 4763-4767.	5.2	64
42	A High Step-Up Switched-Capacitor 13-Level Inverter With Reduced Number of Switches. IEEE Transactions on Power Electronics, 2021, 36, 2505-2509.	5.4	58
43	Integrated Dual Full-Bridge Converter With Current-Doubler Rectifier for EV Charger. IEEE Transactions on Power Electronics, 2016, 31, 942-951.	5.4	54
44	A Digital Predictive Peak Current Control for Power Factor Correction With Low-Input Current Distortion. IEEE Transactions on Power Electronics, 2016, 31, 900-912.	5.4	53
45	Variable Delay Time Method in the Phase-Shifted Full-Bridge Converter for Reduced Power Consumption Under Light Load Conditions. IEEE Transactions on Power Electronics, 2013, 28, 5120-5127.	5.4	52
46	A New Standby Structure Based on a Forward Converter Integrated With a Phase-Shift Full-Bridge Converter for Server Power Supplies. IEEE Transactions on Power Electronics, 2013, 28, 336-346.	5.4	50
47	A Digitally Controlled Critical Mode Boost Power Factor Corrector With Optimized Additional On Time and Reduced Circulating Losses. IEEE Transactions on Power Electronics, 2015, 30, 3447-3456.	5.4	50
48	Two-Stage Cell Balancing Scheme for Hybrid Electric Vehicle Lithium-Ion Battery Strings. , 2007, , .		47
49	Resonant Capacitor $O(n)$ Control of Half-Bridge LLC Converter for High-Efficiency Server Power Supply. IEEE Transactions on Industrial Electronics, 2016, 63, 5410-5415.	5.2	47
50	On/Off Control of Boost PFC Converters to Improve Light-Load Efficiency in Paralleled Power Supply Units for Servers. IEEE Transactions on Industrial Electronics, 2014, 61, 1235-1242.	5.2	46
51	An Interleaved Totem-Pole Bridgeless Boost PFC Converter with Soft-Switching Capability Adopting Phase-Shifting Control. IEEE Transactions on Power Electronics, 2019, 34, 10610-10618.	5.4	46
52	Voltage Doubler Rectified Boost-Integrated Half Bridge (VDRBHB) Converter for Digital Car Audio Amplifiers. IEEE Transactions on Power Electronics, 2007, 22, 2321-2330.	5.4	45
53	A Three-Level Converter With Reduced Filter Size Using Two Transformers and Flying Capacitors. IEEE Transactions on Power Electronics, 2013, 28, 46-53.	5.4	45
54	Analysis and Design of Phase-Shifted Dual H-Bridge Converter With a Wide ZVS Range and Reduced Output Filter. IEEE Transactions on Industrial Electronics, 2013, 60, 4415-4426.	5.2	44

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55	Dimming-Feedback Control Method for TRIAC Dimmable LED Drivers. IEEE Transactions on Industrial Electronics, 2015, 62, 960-965.	5.2	44
56	Three-Level Resonant Converter With Double LLC Resonant Tanks for High-Input-Voltage Applications. IEEE Transactions on Industrial Electronics, 2012, 59, 3450-3463.	5.2	41
57	A New PWM-Controlled Quasi-Resonant Converter for a High Efficiency PDP Sustaining Power Module. IEEE Transactions on Power Electronics, 2008, 23, 1782-1790.	5.4	40
58	Analysis for LLC resonant converter considering parasitic components at very light load condition. , 2011, , .		40
59	Analysis on Center-Tap Rectifier Voltage Oscillation of LLC Resonant Converter. IEEE Transactions on Power Electronics, 2012, 27, 2684-2689.	5.4	40
60	Derivation, Analysis, and Comparison of Nonisolated Single-Switch High Step-up Converters With Low Voltage Stress. IEEE Transactions on Power Electronics, 2015, 30, 1336-1344.	5.4	40
61	A Boost PFC Stage Utilized as Half-Bridge Converter for High-Efficiency DC-DC Stage in Power Supply Unit. IEEE Transactions on Power Electronics, 2017, 32, 7449-7457.	5.4	40
62	A single-stage power factor correction AC/DC converter based on zero voltage switching full bridge topology with two series-connected transformers. IEEE Transactions on Power Electronics, 2006, 21, 89-97.	5.4	38
63	A New Buck-boost Type Battery Equalizer. , 2009, , .		38
64	Transformer Integrated With Additional Resonant Inductor for Phase-Shift Full-Bridge Converter With Primary Clamping Diodes. IEEE Transactions on Power Electronics, 2012, 27, 2405-2414.	5.4	37
65	A High-Efficiency PFM Half-Bridge Converter Utilizing a Half-Bridge LLC Converter Under Light Load Conditions. IEEE Transactions on Power Electronics, 2015, 30, 4931-4942.	5.4	37
66	Zero-Voltage Switching and Soft-Commutating Two-Transformer Full-Bridge PWM Converter Using the Voltage-Ripple. IEEE Transactions on Industrial Electronics, 2008, 55, 1478-1488.	5.2	36
67	High-Efficiency Slim Adapter With Low-Profile Transformer Structure. IEEE Transactions on Industrial Electronics, 2012, 59, 3445-3449.	5.2	36
68	Analysis and Design of a Hybrid-Type Converter for Optimal Conversion Efficiency in Electric Vehicle Chargers. IEEE Transactions on Industrial Electronics, 2017, 64, 2789-2800.	5.2	36
69	Analysis on Synchronous Rectifier Control to Improve Regulation Capability of High-Frequency LLC Resonant Converter. IEEE Transactions on Power Electronics, 2018, 33, 7252-7259.	5.4	36
70	Half-Bridge Integrated Phase-Shifted Full-Bridge Converter With High Efficiency Using Center-Tapped Clamp Circuit for Battery Charging Systems in Electric Vehicles. IEEE Transactions on Power Electronics, 2020, 35, 4934-4945.	5.4	36
71	Hybrid Dual Full-Bridge DC-DC Converter With Reduced Circulating Current, Output Filter, and Conduction Loss of Rectifier Stage for RF Power Generator Application. IEEE Transactions on Power Electronics, 2014, 29, 1069-1081.	5.4	35
72	Isolated Switch-Mode Current Regulator With Integrated Two Boost LED Drivers. IEEE Transactions on Industrial Electronics, 2014, 61, 4649-4653.	5.2	35

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73	High Efficiency Active Clamp Forward Converter for Sustaining Power Module of Plasma Display Panel. IEEE Transactions on Industrial Electronics, 2008, 55, 1874-1876.	5.2	34
74	PWM Resonant Single-Switch Isolated Converter. IEEE Transactions on Power Electronics, 2009, 24, 1876-1886.	5.4	34
75	Three-Switch Active-Clamp Forward Converter With Low Switch Voltage Stress and Wide ZVS Range for High-Input-Voltage Applications. IEEE Transactions on Power Electronics, 2010, 25, 889-898.	5.4	34
76	Analysis on half-bridge LLC resonant converter by using variable inductance for high efficiency and power density server power supply. , 2017, , .		34
77	Phase-shifted parallel-input/series-output dual converter for high-power step-up applications. IEEE Transactions on Industrial Electronics, 2002, 49, 649-652.	5.2	32
78	A Resonant Energy-Recovery Circuit for Plasma Display Panel Employing Gas-Discharge Current Compensation Method. IEEE Transactions on Power Electronics, 2005, 20, 209-217.	5.4	31
79	A Novel Two-Dimensional Adaptive Dimming Technique of X-Y Channel Drivers for LED Backlight System in LCD TVs. Journal of Display Technology, 2009, 5, 20-26.	1.3	31
80	Series-Input Series-Rectifier Interleaved Forward Converter With a Common Transformer Reset Circuit for High-Input-Voltage Applications. IEEE Transactions on Power Electronics, 2011, 26, 3242-3253.	5.4	31
81	A New Asymmetrical Half-Bridge Converter With Zero DC-Offset Current in Transformer. IEEE Transactions on Power Electronics, 2013, 28, 2297-2306.	5.4	31
82	A Digital Phase Leading Filter Current Compensation (PLFCC) Technique for CCM Boost PFC Converter to Improve PF in High Line Voltage and Light Load Conditions. IEEE Transactions on Power Electronics, 2016, 31, 6596-6606.	5.4	31
83	A New Standby Structure Integrated With Boost PFC Converter for Server Power Supply. IEEE Transactions on Power Electronics, 2019, 34, 5283-5293.	5.4	31
84	A new battery equalizer based on buck-boost topology. , 2007, , .		30
85	Integrated Asymmetrical Half-Bridge Zeta (AHBZ) Converter for DC/DC Stage of LED Driver With Wide Output Voltage Range and Low Output Current. IEEE Transactions on Industrial Electronics, 2015, 62, 7489-7498.	5.2	30
86	A modularized charge equalizer using battery monitoring IC for series connected Li-Ion battery strings in an electric vehicle. , 2011, , .		29
87	Series-series compensated wireless power transfer at two different resonant frequencies. , 2013, , .		29
88	High-Efficiency Phase-Shifted Full-Bridge Converter With a New Coupled Inductor Rectifier (CIR). IEEE Transactions on Power Electronics, 2019, 34, 8468-8480.	5.4	29
89	Minimizing Effect of Input Filter Capacitor in a Digital Boundary Conduction Mode Power Factor Corrector Based on Time-Domain Analysis. IEEE Transactions on Power Electronics, 2016, 31, 3827-3836.	5.4	28
90	Analysis and Design of a Single-Switch Forward-Flyback Two-Channel LED Driver With Resonant-Blocking Capacitor. IEEE Transactions on Power Electronics, 2016, 31, 2314-2323.	5.4	28

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91	Design of a Digital Offset Compensator Eliminating Transformer Magnetizing Current Offset of a Phase-Shift Full-Bridge Converter. IEEE Transactions on Power Electronics, 2012, 27, 331-341.	5.4	26
92	A High-Efficiency Three-Phase ZVS PWM Converter Utilizing a Positive Double-Star Active Rectifier Stage for Server Power Supply. IEEE Transactions on Industrial Electronics, 2011, 58, 3317-3329.	5.2	25
93	Duty-Ratio-Control-Aided LLC Converter for Current Balancing of Two-Channel LED Driver. IEEE Transactions on Industrial Electronics, 2017, 64, 1178-1184.	5.2	25
94	Parameter estimation and control for permanent magnet synchronous motor drive using model reference adaptive technique. , 0, , .		24
95	Integrated boost-sepic converter for high step-up applications. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	24
96	Implementation of digitally controlled phase shift full bridge converter for server power supply. , 2010, , .		24
97	A New Center-Tapped Half-Bridge Zeta Converter With Small Transformer DC-Offset Current and Low Voltage Stress. IEEE Transactions on Power Electronics, 2015, 30, 6593-6603.	5.4	23
98	A Digitally Controlled Soft Valley Change Technique for a Flyback Converter. IEEE Transactions on Industrial Electronics, 2015, 62, 966-971.	5.2	21
99	Coupled Inductor Incorporated Boost Half-Bridge Converter With Wide ZVS Operation Range. IEEE Transactions on Industrial Electronics, 2009, 56, 2505-2512.	5.2	20
100	Analysis and design of Boost-LLC converter for high power density AC-DC adapter. , 2013, , .		19
101	High-Efficient Multilevel Half-Bridge Converter. IEEE Transactions on Power Electronics, 2010, 25, 943-951.	5.4	18
102	Switched capacitor with chain structure for cell-balancing of lithium-ion batteries. , 2012, , .		18
103	A Novel Accurate Primary-Side Control (PSC) Method for Half-Bridge (HB) <i>LLC</i> Converter. IEEE Transactions on Power Electronics, 2015, 30, 1797-1803.	5.4	18
104	Wide ZVS Range Asymmetric Half-Bridge Converter With Clamp Switch and Diode for High Conversion Efficiency. IEEE Transactions on Industrial Electronics, 2016, 63, 2862-2870.	5.2	18
105	A High-Efficiency Asymmetrical Half-Bridge Converter With Integrated Boost Converter in Secondary Rectifier. IEEE Transactions on Power Electronics, 2017, 32, 8237-8242.	5.4	18
106	A Bridgeless Dual Boost Rectifier With Soft-Switching Capability and Minimized Additional Conduction Loss. IEEE Transactions on Industrial Electronics, 2018, 65, 2226-2233.	5.2	18
107	A voltage-balanced phase-shifted three-level DC/DC converter operating from high-input voltage. IEEE Power Electronics Letters, 2003, 1, 74-77.	1.1	17
108	A Novel Current-Fed Energy-Recovery Sustaining Driver for Plasma Display Panel (PDP). IEEE Transactions on Industrial Electronics, 2005, 52, 1702-1704.	5.2	17

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109	Charge Equalization with Series Coupling of Multiple Primary Windings for Hybrid Electric Vehicle Li-Ion Battery System. , 2007, , .		17
110	Full ZVS-Range Transient Current Buildup Half-Bridge Converter With Different ZVS Operations to Load Variation. IEEE Transactions on Industrial Electronics, 2008, 55, 2557-2559.	5.2	17
111	LLC series resonant converter with auxiliary circuit for hold-up time. , 2009, , .		17
112	Analysis and design of wireless power transfer system with an intermediate coil for high efficiency. , 2013, , .		17
113	Design on topologies for high efficiency two-stage AC-DC converter. , 2012, , .		15
114	A simple control scheme for improving light-load efficiency in a full-bridge LLC resonant converter. , 2014, , .		15
115	A Simple SR Gate Driving Circuit With Reduced Gate Driving Loss for Phase-Shifted Full-Bridge Converter. IEEE Transactions on Power Electronics, 2018, 33, 9310-9317.	5.4	15
116	High-Efficiency Asymmetrical Half-Bridge Converter With a New Coupled Inductor Rectifier (CIR). IEEE Transactions on Power Electronics, 2019, 34, 11541-11552.	5.4	15
117	Two-Transformer Current-Fed Converter With a Simple Auxiliary Circuit for a Wide Duty Range. IEEE Transactions on Power Electronics, 2011, 26, 1901-1912.	5.4	14
118	Zero No-Load Power AC/DC Adapter for Electronic Equipment With Embedded Battery. IEEE Transactions on Power Electronics, 2013, 28, 3073-3076.	5.4	14
119	Load Adaptive Gate Driving Method for High Efficiency Under Light-Load Conditions. IEEE Transactions on Industrial Electronics, 2014, 61, 4674-4679.	5.2	14
120	High-Efficiency Zero-Voltage-Switching Totem-Pole Bridgeless Rectifier With Integrated Inrush Current Limiter Circuit. IEEE Transactions on Industrial Electronics, 2020, 67, 7421-7429.	5.2	14
121	Integrated ZCS quasi-resonant power factor correction converter based on flyback topology. IEEE Transactions on Power Electronics, 2000, 15, 634-643.	5.4	13
122	Improved Phase-Shift PWM Converter for Larger Sized PDP Slim Sustain Power Module. IEEE Transactions on Power Electronics, 2013, 28, 945-958.	5.4	13
123	Zero-Voltage Switching Multioutput Flyback Converter With Integrated Auxiliary Buck Converter. IEEE Transactions on Power Electronics, 2014, 29, 3001-3010.	5.4	13
124	Novel dual inductor-fed DC-DC converter integrated with parallel boost converter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	12
125	Boost integrated flyback AC-DC converter with valley fill circuit for LED light bulb. , 2012, , .		12
126	Start-Up Control to Prevent Overcurrent During Hot Swap in Paralleled DC-DC Converters. IEEE Transactions on Industrial Electronics, 2013, 60, 5558-5574.	5.2	12

#	ARTICLE	IF	CITATIONS
127	ZVS phase shift full bridge converter with controlled leakage inductance of transformer. , 2009, , .		11
128	No-Load Power Reduction Technique for AC/DC Adapters. IEEE Transactions on Power Electronics, 2012, 27, 3685-3694.	5.4	11
129	An Interleaved Active-Clamp Forward Converter Modified for Reduced Primary Conduction Loss Without Additional Components. IEEE Transactions on Power Electronics, 2020, 35, 121-130.	5.4	11
130	High-Efficiency Three-Level DC-DC Converter With Reduced Circulating Current and Rectifier Voltage Stress. IEEE Transactions on Power Electronics, 2020, 35, 2668-2679.	5.4	11
131	Low Common-Mode Noise <i>LLC</i> Resonant Converter With Static-Point-Connected Transformer. IEEE Transactions on Power Electronics, 2021, 36, 401-408.	5.4	11
132	Zero-voltage switching flyback-boost converter with voltage-doubler rectifier for high step-up applications. , 2010, , .		10
133	A High-Power-Density Converter With a Continuous Input Current Waveform for Satellite Power Applications. IEEE Transactions on Industrial Electronics, 2020, 67, 1024-1035.	5.2	10
134	Design of high quality AC/DC converter with high efficiency based on half bridge topology. , 0, , .		9
135	Analysis and design of asymmetrical ZVS PWM half bridge forward converter with flyback type transformer. , 0, , .		9
136	A New High Efficiency ZVZCS Bi-directional DC/DC Converter for 42V Power System of HEVs. , 0, , .		9
137	New Cost-Effective PWM Single-Switch Isolated Converter. , 2007, , .		9
138	Non-isolated high step-up converter based on boost integrated half-bridge converter. , 2009, , .		9
139	High step-up boost converter integrated with voltage-doubler. , 2010, , .		9
140	AC/DC notebook adapter with 22mW no-load power consumption. , 2011, , .		9
141	Simple implementation of control gate signals for the interleaved LLC resonant converter for high current application. International Journal of Circuit Theory and Applications, 2011, 39, 1275-1283.	1.3	9
142	Hold-Up Time Extension Method for <i>LLC</i> Resonant Converter by Detecting Operation Region. IEEE Transactions on Power Electronics, 2020, 35, 9949-9952.	5.4	9
143	A Reconfigurable Totem-Pole PFC Rectifier With Light Load Optimization Control Strategy and Soft-Switching Capability. IEEE Transactions on Power Electronics, 2021, 36, 4371-4382.	5.4	9
144	A Self-Compensated Planar Coil With Integrated Single-Switch Regulator for Wireless Power Transfer (WPT) Systems. IEEE Transactions on Power Electronics, 2021, 36, 10954-10958.	5.4	9

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145	New Multi-Output LLC Resonant Converter for High Efficiency and Low Cost PDP Power Module. , 0, , .		8
146	Comparative study on a single energy recovery circuit with dividing energy recovery path for plasma display panels (PDPs). , 2007, , .		8
147	A Simple and Highly Efficient Energy Recovery Circuit for a Plasma Display Panel (PDP). IEEE Transactions on Industrial Electronics, 2008, 55, 782-790.	5.2	8
148	Input-Voltage Feedforward (IVFF) Circuit Minimizing Current Stress of Voltage-Doubler Rectified Asymmetrical Half-Bridge (VDRAHB) Converter. IEEE Transactions on Industrial Electronics, 2008, 55, 2222-2224.	5.2	8
149	A new half bridge converter for the personal computer power supply. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	8
150	A new two-switch flyback battery equalizer with low voltage stress on the switches. , 2009, , .		8
151	A new non-isolated high step-up converter with reduced voltage stress. , 2011, , .		8
152	Phase-Shifted Full-Bridge DC-DC Converter With High Efficiency and Reduced Output Filter Using Center-Tapped Clamp Circuit. , 2019, , .		8
153	Low Common-Mode Noise Full-Bridge <i>LLC</i> Resonant Converter With Balanced Resonant Tank. IEEE Transactions on Power Electronics, 2021, 36, 4105-4115.	5.4	8
154	Voltage-Balancing Dual-Active-Bridge (VB-DAB) Converter for Bipolar DC Distribution System. IEEE Transactions on Industrial Electronics, 2023, 70, 2461-2471.	5.2	8
155	A new single-stage AC/DC converter with high efficiency and high power factor. , 0, , .		7
156	A high efficiency ZVS PWM asymmetrical half bridge converter for plasma display panel sustaining power module. , 0, , .		7
157	Analysis and design of LLC resonant converter considering rectifier voltage oscillation. , 2009, , .		7
158	Single switching double powering converter for reducing power consumption of AC/DC adapter in standby mode. , 2011, , .		7
159	An interleaved single-stage flyback AC-DC converter with wide output power range for outdoor LED lighting system. , 2012, , .		7
160	A modularized BMS with an active cell balancing circuit for lithium-ion batteries in V2G system. , 2012, , .		7
161	Active-clamp forward converter with asymmetric transformer turns for reducing transformer DC offset current. , 2012, , .		7
162	Cost-Effective Zero-Voltage and Zero-Current Switching Current-Fed Energy-Recovery Display Driver for ac Plasma Display Panel. IEEE Transactions on Power Electronics, 2007, 22, 1081-1088.	5.4	6

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163	A novel two-switch active clamp forward converter for high input voltage applications. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	6
164	Multi-level active clamp forward converter with reduced voltage stress. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	6
165	ZVS phase shift full bridge converter with separated primary winding. , 2009, , .		6
166	Zero-voltage-switching interleaved two-switch forward converter with phase-shift control. , 2010, , .		6
167	Wireless power transfer system with an asymmetric 4-coil resonator for electric vehicle battery chargers. , 2015, , .		6
168	Bode plot and impedance asymptotes for light-load regulation of LLC series resonant converter. , 2016, , .		6
169	A simple THD improving method for CCM boost PFC converter under mixed conduction mode operation. , 2017, , .		6
170	New Bridgeless Power Factor Correction Converter With Simple Gate Driving Circuit and High Efficiency for Server Power Applications. IEEE Transactions on Power Electronics, 2020, 35, 13148-13156.	5.4	6
171	Zero-voltage and zero-current switching energy-recovery circuit for plasma display panel. , 0, , .		5
172	A New High Efficiency Phase Shifted Full Bridge Converter for Sustaining Power Module of Plasma Display Panel. , 0, , .		5
173	Start-up inrush current reduction technique of asymmetrical half-bridge DC/DC converter for PC power supply. , 2007, , .		5
174	Comparative Study on a Low Cost Sustaining Driver with Single and Dual Path Energy Recovery Circuits for Plasma Display Panels (PDPs). , 2007, , .		5
175	A new-half bridge converter without DC offset of magnetizing current. , 2007, , .		5
176	Adaptive link capacitor voltage control for server power system. , 2009, , .		5
177	Novel multi-coil resonator design for wireless power transfer through reinforced concrete structure with rebar array. , 2017, , .		5
178	A High-Efficiency Power Supply from Magnetic Energy Harvesters. , 2018, , .		5
179	Circulating Current-less Phase-Shifted Full-Bridge Converter With New Rectifier Structure. , 2018, , .		5
180	Analysis and design of a single-stage single-switch bi-flyback ac/dc converter. International Journal of Electronics, 2004, 91, 25-40.	0.9	4

#	ARTICLE	IF	CITATIONS
181	A cold cathode fluorescent lamp driving circuit without a transformer for liquid crystal display backlight unit. , 2007, , .		4
182	Adaptive link voltage variation (ALVV) control for high power density adapter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	4
183	A new separated resonant-inductor winding phase shift full bridge converter for server power system. , 2009, , .		4
184	New Dual Sustaining Driver Using Two Different Energy Recovery Circuits for Large-Sized Plasma Display Panels (PDPs). IEEE Transactions on Industrial Electronics, 2009, 56, 221-230.	5.2	4
185	A zero-voltage and zero-current switching full bridge converter using an auxiliary circuit. , 2012, , .		4
186	A new control method in Phase-Shifted Full-bridge converter for reduced power consumption under light load conditions. , 2012, , .		4
187	Wireless power and data transfer system for smart bridge sensors. , 2016, , .		4
188	A New Zero-Voltage Switching Three-Level Converter with Reduced Rectifier Voltage Stress. , 2018, , .		4
189	A New Synchronous Rectifier Control Method for High Efficiency Phase-Shifted Full-Bridge Converter with Coupled Inductor Rectifier. , 2020, , .		4
190	A novel predictive current control of induction motor using resonant DC link inverter. , 0, , .		3
191	Design of phase-shifted parallel-input/series-output dual inductor-fed push-pull converter for high-power step-up applications. , 0, , .		3
192	Synchronous PI decoupling control scheme for dynamic voltage restorer against a voltage sag in the power system. , 0, , .		3
193	Short Period Boost Current Transferring ZVS Boost Half Bridge Converter. , 2007, , .		3
194	Cost Effective Zero-Voltage and Zero-Current Switching Current-Fed Energy-Recovery Display Driver for AC Plasma Display Panel. IEEE Transactions on Power Electronics, 2007, 22, 663-669.	5.4	3
195	A new Single-Stage PFC AC/DC converter with Voltage-Doubler Rectified Asymmetric Half-Bridge converter. , 2007, , .		3
196	Output inductor less phase shift full bridge converter with current stress reduction technique for server power application. , 2008, , .		3
197	Zero-voltage switching dual inductor-fed DC-DC converter for high power step-up applications. , 2009, , .		3
198	An Improved Dual-Path Energy Recovery Circuit Using a Current Source and a Voltage Source for High-Resolution and Large-Sized Plasma Display Panel. IEEE Transactions on Power Electronics, 2009, 24, 1887-1895.	5.4	3

#	ARTICLE	IF	CITATIONS
199	Energy-Recovery Circuit Using an Address Voltage Source for PDPs. IEEE Transactions on Industrial Electronics, 2009, 56, 3264-3266.	5.2	3
200	Digital load share controller design of paralleled phase-shifted full-bridge converters referencing the highest current. , 2010, , .		3
201	A new zero-voltage switching half-bridge converter with reduced rectifier voltage ringing. , 2011, , .		3
202	Series input parallel output interleaved flyback converter with regenerative leakage inductance energy. , 2012, , .		3
203	A new cell-to-cell balancing circuit with a center-cell concentration structure for series-connected batteries. , 2013, , .		3
204	Switching control method for light load efficiency improvement in phase shifted full bridge converter. , 2013, , .		3
205	A strategic control scheme of phase-shift full bridge converter for improving light-load efficiency in server power system. , 2015, , .		3
206	Improved three switch-active clamp forward converter with low switching loss. , 2017, , .		3
207	An improved current compensation method for high PF and low THD in digital boost power factor corrector. , 2017, , .		3
208	ZVS Interleaved Totem-pole Bridgeless PFC Converter with Phase-shifting Control. , 2018, , .		3
209	A Zero-Voltage-Switching Totem-pole Bridgeless Boost Power Factor Correction Rectifier having Minimized Conduction Losses. , 2018, , .		3
210	Asymmetrical Half-Bridge Converter With Zero DC-offset Current in Transformer Using New Rectifier Structure. , 2018, , .		3
211	High Efficiency Voltage Balancing Dual Active Bridge Converter for the Bipolar DC Distribution System. , 2021, , .		3
212	Low Common-Mode Noise Structure Based on Half-Bridge LLC Converter for Medium and High Power Applications. , 2020, , .		3
213	Simple low power level power supply. , 0, , .		2
214	Decoupled output voltage control of quantum series resonant converter for improved buck-boost operation. IEEE Transactions on Power Electronics, 1996, 11, 147-161.	5.4	2
215	Phase-shifted parallel-input/series-output dual convertor for high-power high-output voltage applications. International Journal of Electronics, 2002, 89, 603-624.	0.9	2
216	Soft-Switching Multi-Level Energy Recovery Circuit of Single Driver for Plasma Display Panel. , 0, , .		2

#	ARTICLE	IF	CITATIONS
217	Double-Ended ZVS Half-Bridge Zeta Converter. , 2007, , .		2
218	Two-transformer current-fed converter with 0 to 100% switch duty range. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	2
219	High efficient multi-level half-bridge converter. , 2009, , .		2
220	Comparative Study of a Single Sustaining Driver (SSD) With Single- and Dual-Energy Recovery Circuits for Plasma Display Panels (PDPs). IEEE Transactions on Power Electronics, 2009, 24, 540-547.	5.4	2
221	Conduction loss reduction technique with small resonant capacitor for a phase shift full bridge converter. , 2009, , .		2
222	A new standby structure using multi-output full-bridge converter integrating flyback converter. , 2011, , .		2
223	Interleaved buck converter having low switching losses and improved step-down conversion ratio. , 2011, , .		2
224	Design of Low-Cost Address Energy Recovery Circuit of AC-PDP With Load-Adaptive Characteristics. IEEE Transactions on Industrial Electronics, 2012, 59, 402-411.	5.2	2
225	Unexpected bi-directional operation of Phase-Shift Full-Bridge Converter in parallel operation system. , 2013, , .		2
226	Analysis for High-frequency LLC Resonant Converter with Planar Transformer at Light-load Condition. , 2018, , .		2
227	Self-preheating Method for Li-ion Battery Using Battery Impedance Estimator. , 2018, , .		2
228	High-Efficiency Resonant Push-Pull AC Heater for Lithium-Ion Battery Pre-heating at Low Temperature. , 2021, , .		2
229	A High Efficiency Phase-Shift Full-Bridge Converter With Improved Clamping Circuit to Eliminate Oscillation for EV Battery Charger. , 2020, , .		2
230	High-Efficiency Asymmetrical Half-Bridge Converter With Linear Voltage Gain. IEEE Transactions on Power Electronics, 2022, 37, 14850-14861.	5.4	2
231	Single-stage high power factor converter with single-switch for universal input. , 0, , .		1
232	New phase shift full bridge converter with wide ZVS ranges and low conduction losses. , 2004, , .		1
233	High Efficiency and Low Cost Sustain Driver with Current Injection Method for Plasma Display Panel. , 0, , .		1
234	Zero-Voltage Switching and Soft-Commutating Two-transformer Full-Bridge PWM Converter Using the Voltage-Ripple. , 0, , .		1

#	ARTICLE	IF	CITATIONS
235	A Single Switch Energy Recovery Circuit for Low Cost Plasma Display Panel. , 0, , .		1
236	A novel asymmetric current-fed energy-recovery circuit for a plasma display panel. , 2007, , .		1
237	New Single Sustaining Driver for AC-PDP employing Voltage Stress Reduction Technique. , 2007, , .		1
238	A transformer-less cold cathode fluorescent lamp driver. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	1
239	A novel approach for link capacitor voltage problem in Single-Stage Power-Factor-Correction (SS-PFC) AC/ DC converter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	1
240	Output inductor-less active clamp forward converter employing current boost-up circuit for high power density adaptor. , 2009, , .		1
241	Interleaved Forward Converter for High Input Voltage Application with Common Active-Clamp Circuit and Series Rectifier. , 2009, , .		1
242	Three-Level Capacitor Clamping Single Sustaining Driver With Dual Energy Recovery Path for Low Cost AC Plasma Display Panel. Journal of Display Technology, 2009, 5, 398-407.	1.3	1
243	Light-load efficiency improvement for zero-voltage switching boost integrated converters. , 2011, , .		1
244	Phase-shifted dual H-Bridge converter with a wide ZVS range and reduced output filter. , 2012, , .		1
245	Zero-voltage-switching totem-pole bridgeless boost rectifier with reduced reverse-recovery problem for power factor correction. , 2012, , .		1
246	Light-load efficiency improvement using load adaptive gate driving method. , 2013, , .		1
247	Disabling standby converter with phase-shifted full-bridge converter in server power supplies. , 2013, , .		1
248	High-Efficiency Two-Inductor PFC Boost Converter Employing SPDT Relay. IEEE Transactions on Power Electronics, 2015, 30, 2901-2904.	5.4	1
249	A digital leading phase current reduction (LPCR) technique for CCM boost PFC in light load conditions. , 2015, , .		1
250	Asymmetric half-bridge resonant converter having a reduced conduction loss for DC/DC power systems with a low input voltage. , 2016, , .		1
251	Bidirectional bridgeless PFC with reduced input current distortion and switching loss using gate skipping technique. , 2016, , .		1
252	Interleaved active clamp forward converter with additional series-connected secondary windings for wide input and high current output applications. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
253	PWM half-bridge zeta converter utilizing resonant technique for reduced peak current. , 2017, , .		1
254	Three-switch LLC resonant converter for high efficiency adapter with universal input voltage. , 2017, , .		1
255	High Voltage Gain Interleaved Active-Clamp Forward (IACF) Converter having Reduced Primary Conduction Loss. , 2018, , .		1
256	Dual Half-Bridge LLC Resonant Converter with Hybrid-Secondary-Rectifier (HSR) for Wide-Output-Voltage Applications. , 2018, , .		1
257	A "Reverse-Feeding" Hold-up Time Strategy for Two-Stage Grid-Interface PFC with a Rectifier-Coupled Boost Inductor. , 2019, , .		1
258	A Full-Bridge Converter with Asymmetric Duty Cycle Control for Low Common Mode Noise. , 2021, , .		1
259	Active Cell Equalizer Based on Coupled-Inductor Cuk Converter for Improved Cell Balancing Speed. , 2020, , .		1
260	Double Fault-Tolerant <i>LLC</i> Resonant Converter With Reconfiguration Method. IEEE Transactions on Industrial Electronics, 2023, 70, 4651-4661.	5.2	1
261	A Dual-Active-Bridge (DAB) Converter Based Bidirectional DC/DC Converter with Reduced Link Capacitance. , 2022, , .		1
262	Design of Integral Droop Control for Hybrid Energy Storage System Considering Ramp Rate Characteristic. , 2022, , .		1
263	A push-pull quantum series resonant rectifier with predictive current control. International Journal of Electronics, 1995, 79, 363-377.	0.9	0
264	High-power step-up converter with high efficiency and fast output voltage dynamics. , 0, , .		0
265	Coupled nondissipative snubber fed single-stage AC/DC converter for simple low power level power supply application. , 0, , .		0
266	Analysis of carrier based PWM methods in relation to common mode voltage for multilevel inverter. , 0, , .		0
267	Analysis and Design of a Single-Stage ZCS Quasi-Resonant AC/DC Converter with Low DC Link Capacitor Voltage. EPE Journal (European Power Electronics and Drives Journal), 2004, 14, 8-15.	0.7	0
268	An Integrated Single-Stage Quasi-Resonant Power Factor Correction Converter with Active Clamp Circuit. EPE Journal (European Power Electronics and Drives Journal), 2005, 15, 11-19.	0.7	0
269	Full ZVS-range Half Bridge Converter with Variable Transient Current Build-up (VTCB) Technique. , 0, , .		0
270	A New PWM-Controlled Quasi-Resonant Converter For High Efficiency PDP Sustaining Power Module. , 0, , .		0

#	ARTICLE	IF	CITATIONS
271	Cost Effective Single Energy Recovery Circuit for Plasma Display Panel with Asymmetrical Recovery Operation. , 0, , .		0
272	A novel energy-recovery circuit for a plasma display panel. , 0, , .		0
273	Voltage Oscillation Reduction Technique For Phase-Shift Full-Bridge Converter. , 0, , .		0
274	Current stress minimizing control scheme for power factor correction (PFC) boost pre-regulator. , 2007, , .		0
275	A New Dual Sustaining Driver Used Two-different Energy Recovery Circuits for Large-sized Plasma Display Panels (PDPs). , 2007, , .		0
276	A new PWM-controlled quasi-resonant converter for high efficiency PDP sustaining power module. , 2007, , .		0
277	Band-gap reference voltage control strategy of power conditioning system for fuel cell hybrid vehicle. , 2007, , .		0
278	Improved dual-path energy recovery circuit using a current source and a voltage source for high resolution and large-sized plasma display panel. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	0
279	Band-gap reference voltage control strategy of power conditioning system for fuel cell hybrid vehicle. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	0
280	Three-Switch Active-Clamp Forward Converter with Low Switch Voltage Stress. , 2009, , .		0
281	A Three-Level PWM Resonant Converter with Wide ZVS Range employing Hybrid Structure. , 2009, , .		0
282	A Hybrid PWM Resonant Converter Suitable for Wide Input Variation. , 2009, , .		0
283	Isolated ZVS two-transformer boost converter. , 2009, , .		0
284	A novel transformer winding for phase shift full bridge converter. , 2009, , .		0
285	Zero-voltage switching multi-output forward converter. , 2009, , .		0
286	PWM positive buck-boost converter with reduced switching loss employing quasi-resonant operation. , 2010, , .		0
287	Elimination of transformer magnetizing current offset for digitally controlled phase-shift full-bridge converter. , 2011, , .		0
288	A new ZVS multi-output flyback converter with synchronous switches. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
289	Voltage-Source-Integrated Driving Waveform Amplifier With Energy Recovery Capability for Plasma Display Panel. IEEE Transactions on Industrial Electronics, 2011, 58, 1835-1847.	5.2	0
290	Coupled-inductor boost converter with simple resonant technique. , 2013, , .		0
291	Efficiency optimized asymmetric half-bridge converter with hold-up time compensation. , 2016, , .		0
292	A high efficiency half-bridge series resonant converter with pulse width modulation under light load condition. , 2016, , .		0
293	Half bridge LLC resonant converter with high voltage gain for single-phase AC/DC power system. , 2016, , .		0
294	A zero-voltage-switching dual boost power factor correction rectifier with active clamp circuit having minimized conduction losses. , 2017, , .		0
295	Push-Pull Class $\hat{I} 2$ Amplifier with Optimized Operation Strategy for High-frequency Wireless Power Transfer System. , 2021, , .		0
296	A High Efficiency Asymmetrical Half-Bridge Converter with an Improved Coupled Inductor Rectifier. , 2021, , .		0
297	Active Clamp Forward Converter with Light-load Efficiency Optimization Control Strategy. , 2020, , .		0
298	Hold-up Time Extension Method in LLC Converter by Detecting Operation Region. , 2020, , .		0
299	A New Receiver-Side Integrated Regulator With Phase Shift Control Strategy For Wireless Power Transfer System. , 2020, , .		0
300	A New Secondary Clamp Diode for Phase-Shift Full-Bridge Converter. , 2022, , .		0
301	High-Efficiency Asymmetrical Half-Bridge Converter with Series Capacitor Rectifier and Linear Voltage Gain. , 2022, , .		0