

# Gun-Woo Moon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/110219/publications.pdf>

Version: 2024-02-01

301  
papers

8,050  
citations

50170

46  
h-index

62479

80  
g-index

301  
all docs

301  
docs citations

301  
times ranked

3515  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Double Fault-Tolerant LLC Resonant Converter With Reconfiguration Method. IEEE Transactions on Industrial Electronics, 2023, 70, 4651-4661.	5.2	1
3	High-Efficiency Asymmetrical Half-Bridge Converter With Linear Voltage Gain. IEEE Transactions on Power Electronics, 2022, 37, 14850-14861.	5.4	2
4	A New Secondary Clamp Diode for Phase-Shift Full-Bridge Converter. , 2022, , .		0
5	High-Efficiency Asymmetrical Half-Bridge Converter with Series Capacitor Rectifier and Linear Voltage Gain. , 2022, , .		0
6	A Dual-Active-Bridge (DAB) Converter Based Bidirectional DC/DC Converter with Reduced Link Capacitance. , 2022, , .		1
7	Design of Integral Droop Control for Hybrid Energy Storage System Considering Ramp Rate Characteristic. , 2022, , .		1
8	Low Common-Mode Noise LLC Resonant Converter With Static-Point-Connected Transformer. IEEE Transactions on Power Electronics, 2021, 36, 401-408.	5.4	11
9	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
10	Low Common-Mode Noise Full-Bridge LLC Resonant Converter With Balanced Resonant Tank. IEEE Transactions on Power Electronics, 2021, 36, 4105-4115.	5.4	8
11	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
12	Push-Pull Class $\hat{I}^2$ Amplifier with Optimized Operation Strategy for High-frequency Wireless Power Transfer System. , 2021, , .		0
13	High-Efficiency Resonant Push-Pull AC Heater for Lithium-Ion Battery Pre-heating at Low Temperature. , 2021, , .		2
14	A Full-Bridge Converter with Asymmetric Duty Cycle Control for Low Common Mode Noise. , 2021, , .		1
15	High Efficiency Voltage Balancing Dual Active Bridge Converter for the Bipolar DC Distribution System. , 2021, , .		3
16	A High Efficiency Asymmetrical Half-Bridge Converter with an Improved Coupled Inductor Rectifier. , 2021, , .		0
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	Hold-Up Time Extension Method for LLC Resonant Converter by Detecting Operation Region. IEEE Transactions on Power Electronics, 2020, 35, 9949-9952.	5.4	9
25	Active Cell Equalizer Based on Coupled-Inductor Cuk Converter for Improved Cell Balancing Speed. , 2020, , .		1
26	Active Clamp Forward Converter with Light-load Efficiency Optimization Control Strategy. , 2020, , .		0
27	Hold-up Time Extension Method in LLC Converter by Detecting Operation Region. , 2020, , .		0
28	A New Receiver-Side Integrated Regulator With Phase Shift Control Strategy For Wireless Power Transfer System. , 2020, , .		0
29	A High Efficiency Phase-Shift Full-Bridge Converter With Improved Clamping Circuit to Eliminate Oscillation for EV Battery Charger. , 2020, , .		2
30	A New Synchronous Rectifier Control Method for High Efficiency Phase-Shifted Full-Bridge Converter with Coupled Inductor Rectifier. , 2020, , .		4
31	Low Common-Mode Noise Structure Based on Half-Bridge LLC Converter for Medium and High Power Applications. , 2020, , .		3
32	Phase-Shifted Full-Bridge DC-DC Converter With High Efficiency and Reduced Output Filter Using Center-Tapped Clamp Circuit. , 2019, , .		8
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	A "Reverse-Feeding" Hold-up Time Strategy for Two-Stage Grid-Interface PFC with a Rectifier-Coupled Boost Inductor. , 2019, , .		1
38	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
39	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
40	Analysis on Synchronous Rectifier Control to Improve Regulation Capability of High-Frequency <i>LLC </i> Resonant Converter. IEEE Transactions on Power Electronics, 2018, 33, 7252-7259.	5.4	36
41	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
42	A New Zero-Voltage Switching Three-Level Converter with Reduced Rectifier Voltage Stress. , 2018, , .		4
43	ZVS Interleaved Totem-pole Bridgeless PFC Converter with Phase-shifting Control. , 2018, , .		3
44	A Zero-Voltage-Switching Totem-pole Bridgeless Boost Power Factor Correction Rectifier having Minimized Conduction Losses. , 2018, , .		3
45	Asymmetrical Half-Bridge Converter With Zero DC-offset Current in Transformer Using New Rectifier Structure. , 2018, , .		3
46	High Voltage Gain Interleaved Active-Clamp Forward (IACF) Converter having Reduced Primary Conduction Loss. , 2018, , .		1
47	A High-Efficiency Power Supply from Magnetic Energy Harvesters. , 2018, , .		5
48	Dual Half-Bridge LLC Resonant Converter with Hybrid-Secondary-Rectifier (HSR) for Wide-Output-Voltage Applications. , 2018, , .		1
49	Analysis for High-frequency LLC Resonant Converter with Planar Transformer at Light-load Condition. , 2018, , .		2
50	Circulating Current-less Phase-Shifted Full-Bridge Converter With New Rectifier Structure. , 2018, , .		5
51	Self-preheating Method for Li-ion Battery Using Battery Impedance Estimator. , 2018, , .		2
52	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
53	Analysis on half-bridge LLC resonant converter by using variable inductance for high efficiency and power density server power supply. , 2017, , .		34
54	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

#	ARTICLE	IF	CITATIONS
55	A simple THD improving method for CCM boost PFC converter under mixed conduction mode operation. , 2017, , .		6
56	A zero-voltage-switching dual boost power factor correction rectifier with active clamp circuit having minimized conduction losses. , 2017, , .		0
57	Improved three switch-active clamp forward converter with low switching loss. , 2017, , .		3
58	PWM half-bridge zeta converter utilizing resonant technique for reduced peak current. , 2017, , .		1
59	Three-switch LLC resonant converter for high efficiency adapter with universal input voltage. , 2017, , .		1
60	An improved current compensation method for high PF and low THD in digital boost power factor corrector. , 2017, , .		3
61	Novel multi-coil resonator design for wireless power transfer through reinforced concrete structure with rebar array. , 2017, , .		5
62	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
63	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
64	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
65	A Boost PFC Stage Utilized as Half-Bridge Converter for High-Efficiency DCâ€“DC Stage in Power Supply Unit. IEEE Transactions on Power Electronics, 2017, 32, 7449-7457.	5.4	40
66	Resonant Capacitor &lt;sc>O&lt;/sc>n&lt;sc>O&lt;/sc>ff Control of Half-Bridge &lt;italic>LLC&lt;/italic> Converter for High-Efficiency Server Power Supply. IEEE Transactions on Industrial Electronics, 2016, 63, 5410-5415.	5.2	47
67	Efficiency optimized asymmetric half-bridge converter with hold-up time compensation. , 2016, , .		0
68	A high efficiency half-bridge series resonant converter with pulse width modulation under light load condition. , 2016, , .		0
69	Half bridge LLC resonant converter with high voltage gain for single-phase AC/DC power system. , 2016, , .		0
70	Asymmetric half-bridge resonant converter having a reduced conduction loss for DC/DC power systems with a low input voltage. , 2016, , .		1
71	Bode plot and impedance asymptotes for light-load regulation of LLC series resonant converter. , 2016, , .		6
72	Bidirectional bridgeless PFC with reduced input current distortion and switching loss using gate skipping technique. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
73	Interleaved active clamp forward converter with additional series-connected secondary windings for wide input and high current output applications. , 2016, , .		1
74	Wireless power and data transfer system for smart bridge sensors. , 2016, , .		4
75	Integrated Dual Full-Bridge Converter With Current-Doubler Rectifier for EV Charger. IEEE Transactions on Power Electronics, 2016, 31, 942-951.	5.4	54
76	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
77	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
78	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
79	Battery Impedance Analysis Considering DC Component in Sinusoidal Ripple-Current Charging. IEEE Transactions on Industrial Electronics, 2016, 63, 1561-1573.	5.2	72
80	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
81	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
82	Wireless power transfer system with an asymmetric 4-coil resonator for electric vehicle battery chargers. , 2015, , .		6
83	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
84	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
85	High-Efficiency Two-Inductor PFC Boost Converter Employing SPDT Relay. IEEE Transactions on Power Electronics, 2015, 30, 2901-2904.	5.4	1
86	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
87	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
88	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
89	A strategic control scheme of phase-shift full bridge converter for improving light-load efficiency in server power system. , 2015, , .		3
90	A digital leading phase current reduction (LPCR) technique for CCM boost PFC in light load conditions. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
91	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
92	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
93	A High-Efficiency PFM Half-Bridge Converter Utilizing a Half-Bridge <i>LLC</i> Converter Under Light Load Conditions. IEEE Transactions on Power Electronics, 2015, 30, 4931-4942.	5.4	37
94	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
95	Dimming-Feedback Control Method for TRIAC Dimmable LED Drivers. IEEE Transactions on Industrial Electronics, 2015, 62, 960-965.	5.2	44
96	A Digitally Controlled Soft Valley Change Technique for a Flyback Converter. IEEE Transactions on Industrial Electronics, 2015, 62, 966-971.	5.2	21
97	A simple control scheme for improving light-load efficiency in a full-bridge LLC resonant converter. , 2014, , .		15
98	Load Adaptive Gate Driving Method for High Efficiency Under Light-Load Conditions. IEEE Transactions on Industrial Electronics, 2014, 61, 4674-4679.	5.2	14
99	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
100	Zero-Voltage Switching Multioutput Flyback Converter With Integrated Auxiliary Buck Converter. IEEE Transactions on Power Electronics, 2014, 29, 3001-3010.	5.4	13
101	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
102	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
103	The $k$ -Q Analysis for an LLC Series Resonant Converter. IEEE Transactions on Power Electronics, 2014, 29, 13-16.	5.4	88
104	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
105	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
106	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
107	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
108	Isolated Switch-Mode Current Regulator With Integrated Two Boost LED Drivers. IEEE Transactions on Industrial Electronics, 2014, 61, 4649-4653.	5.2	35

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	Light-load efficiency improvement using load adaptive gate driving method. , 2013, , .		1
112	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
113	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
114	A new cell-to-cell balancing circuit with a center-cell concentration structure for series-connected batteries. , 2013, , .		3
115	Coupled-inductor boost converter with simple resonant technique. , 2013, , .		0
116	Disabling standby converter with phase-shifted full-bridge converter in server power supplies. , 2013, , .		1
117	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
118	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
119	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
120	Switching control method for light load efficiency improvement in phase shifted full bridge converter. , 2013, , .		3
121	Series-series compensated wireless power transfer at two different resonant frequencies. , 2013, , .		29
122	Analysis and design of Boost-LLC converter for high power density AC-DC adapter. , 2013, , .		19
123	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
124	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
125	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
126	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



#	ARTICLE	IF	CITATIONS
127	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
128	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
129	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
130	Analysis and design of wireless power transfer system with an intermediate coil for high efficiency. , 2013, , .		17
131	Unexpected bi-directional operation of Phase-Shift Full-Bridge Converter in parallel operation system. , 2013, , .		2
132	An interleaved single-stage flyback AC-DC converter with wide output power range for outdoor LED lighting system. , 2012, , .		7
133	Design on topologies for high efficiency two-stage AC-DC converter. , 2012, , .		15
134	Boost integrated flyback AC-DC converter with valley fill circuit for LED light bulb. , 2012, , .		12
135	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
136	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
137	No-Load Power Reduction Technique for AC/DC Adapters. IEEE Transactions on Power Electronics, 2012, 27, 3685-3694.	5.4	11
138	A modularized BMS with an active cell balancing circuit for lithium-ion batteries in V2G system. , 2012, , .		7
139	Switched capacitor with chain structure for cell-balancing of lithium-ion batteries. , 2012, , .		18
140	Phase-shifted dual H-Bridge converter with a wide ZVS range and reduced output filter. , 2012, , .		1
141	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
142	Asymmetric PWM Control Scheme During Hold-Up Time for \$LLC\$ Resonant Converter. IEEE Transactions on Industrial Electronics, 2012, 59, 2992-2997.	5.2	126
143	Active-clamp forward converter with asymmetric transformer turns for reducing transformer DC offset current. , 2012, , .		7
144	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

#	ARTICLE	IF	CITATIONS
145	A zero-voltage and zero-current switching full bridge converter using an auxiliary circuit. , 2012, , .		4
146	Series input parallel output interleaved flyback converter with regenerative leakage inductance energy. , 2012, , .		3
147	A new control method in Phase-Shifted Full-bridge converter for reduced power consumption under light load conditions. , 2012, , .		4
148	Zero-voltage-switching totem-pole bridgeless boost rectifier with reduced reverse-recovery problem for power factor correction. , 2012, , .		1
149	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
150	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
151	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
152	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
153	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
154	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
155	Analysis on Center-Tap Rectifier Voltage Oscillation of LLC Resonant Converter. IEEE Transactions on Power Electronics, 2012, 27, 2684-2689.	5.4	40
156	High-Efficiency Slim Adapter With Low-Profile Transformer Structure. IEEE Transactions on Industrial Electronics, 2012, 59, 3445-3449.	5.2	36
157	AC/DC notebook adapter with 22mW no-load power consumption. , 2011, , .		9
158	Elimination of transformer magnetizing current offset for digitally controlled phase-shift full-bridge converter. , 2011, , .		0
159	A new zero-voltage switching half-bridge converter with reduced rectifier voltage ringing. , 2011, , .		3
160	A new ZVS multi-output flyback converter with synchronous switches. , 2011, , .		0
161	A new standby structure using multi-output full-bridge converter integrating flyback converter. , 2011, , .		2
162	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

#	ARTICLE	IF	CITATIONS
163	A modularized charge equalizer using battery monitoring IC for series connected Li-Ion battery strings in an electric vehicle. , 2011, , .		29
164	Interleaved buck converter having low switching losses and improved step-down conversion ratio. , 2011, , .		2
165	A new non-isolated high step-up converter with reduced voltage stress. , 2011, , .		8
166	Light-load efficiency improvement for zero-voltage switching boost integrated converters. , 2011, , .		1
167	Single switching double powering converter for reducing power consumption of AC/DC adapter in standby mode. , 2011, , .		7
168	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
169	Nonisolated High Step-Up Stacked Converter Based on Boost-Integrated Isolated Converter. IEEE Transactions on Power Electronics, 2011, 26, 577-587.	5.4	133
170	Analysis for LLC resonant converter considering parasitic components at very light load condition. , 2011, , .		40
171	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
172	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
173	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
174	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
175	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
176	Zero-voltage-switching interleaved two-switch forward converter with phase-shift control. , 2010, , .		6
177	High-Efficient Multilevel Half-Bridge Converter. IEEE Transactions on Power Electronics, 2010, 25, 943-951.	5.4	18
178	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
179	Nonisolated High Step-up Boost Converter Integrated With Sepic Converter. IEEE Transactions on Power Electronics, 2010, 25, 2266-2275.	5.4	194
180	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

#	ARTICLE	IF	CITATIONS
181	Implementation of digitally controlled phase shift full bridge converter for server power supply. , 2010, , .		24
182	PWM positive buck-boost converter with reduced switching loss employing quasi-resonant operation. , 2010, , .		0
183	Zero-voltage switching flyback-boost converter with voltage-doubler rectifier for high step-up applications. , 2010, , .		10
184	High step-up boost converter integrated with voltage-doubler. , 2010, , .		9
185	Digital load share controller design of paralleled phase-shifted full-bridge converters referencing the highest current. , 2010, , .		3
186	LLC series resonant converter with auxiliary circuit for hold-up time. , 2009, , .		17
187	High efficient multi-level half-bridge converter. , 2009, , .		2
188	Adaptive link capacitor voltage control for server power system. , 2009, , .		5
189	Non-isolated high step-up converter based on boost integrated half-bridge converter. , 2009, , .		9
190	A New Buck-boost Type Battery Equalizer. , 2009, , .		38
191	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
192	Three-Switch Active-Clamp Forward Converter with Low Switch Voltage Stress. , 2009, , .		0
193	Analysis and design of LLC resonant converter considering rectifier voltage oscillation. , 2009, , .		7
194	Coupled Inductor Incorporated Boost Half-Bridge Converter With Wide ZVS Operation Range. IEEE Transactions on Industrial Electronics, 2009, 56, 2505-2512.	5.2	20
195	Output inductor-less active clamp forward converter employing current boost-up circuit for high power density adaptor. , 2009, , .		1
196	A Three-Level PWM Resonant Converter with Wide ZVS Range employing Hybrid Structure. , 2009, , .		0
197	A new separated resonant-inductor winding phase shift full bridge converter for server power system. , 2009, , .		4
198	Conduction loss reduction technique with small resonant capacitor for a phase shift full bridge converter. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
199	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
200	Zero-voltage switching dual inductor-fed DC-DC converter for high power step-up applications. , 2009, , .		3
201	Interleaved Forward Converter for High Input Voltage Application with Common Active-Clamp Circuit and Series Rectifier. , 2009, , .		1
202	ZVS phase shift full bridge converter with controlled leakage inductance of transformer. , 2009, , .		11
203	ZVS phase shift full bridge converter with separated primary winding. , 2009, , .		6
204	A Hybrid PWM Resonant Converter Suitable for Wide Input Variation. , 2009, , .		0
205	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
206	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
207	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
208	PWM Resonant Single-Switch Isolated Converter. IEEE Transactions on Power Electronics, 2009, 24, 1876-1886.	5.4	34
209	Analysis of LLC Resonant Converter considering effects of parasitic components. , 2009, , .		81
210	A new two-switch flyback battery equalizer with low voltage stress on the switches. , 2009, , .		8
211	Isolated ZVS two-transformer boost converter. , 2009, , .		0
212	A novel transformer winding for phase shift full bridge converter. , 2009, , .		0
213	Zero-voltage switching multi-output forward converter. , 2009, , .		0
214	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
215	A Modularized Charge Equalizer for an HEV Lithium-Ion Battery String. IEEE Transactions on Industrial Electronics, 2009, 56, 1464-1476.	5.2	262
216	Energy-Recovery Circuit Using an Address Voltage Source for PDPs. IEEE Transactions on Industrial Electronics, 2009, 56, 3264-3266.	5.2	3

#	ARTICLE	IF	CITATIONS
217	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
218	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
219	A novel two-switch active clamp forward converter for high input voltage applications. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	6
220	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
221	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
222	Integrated boost-sepic converter for high step-up applications. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	24
223	A transformer-less cold cathode fluorescent lamp driver. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	1
224	Multi-level active clamp forward converter with reduced voltage stress. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	6
225	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
226	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
227	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
228	Two-transformer current-fed converter with 0 to 100% switch duty range. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	2
229	Output inductor less phase shift full bridge converter with current stress reduction technique for server power application. , 2008, , .		3
230	Novel dual inductor-fed DC-DC converter integrated with parallel boost converter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	12
231	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
232	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
233	Adaptive link voltage variation (ALVV) control for high power density adapter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	4
234	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

#	ARTICLE	IF	CITATIONS
235	A new half bridge converter for the personal computer power supply. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	8
236	Start-up inrush current reduction technique of asymmetrical half-bridge DC/DC converter for PC power supply. , 2007, , .		5
237	A novel asymmetric current-fed energy-recovery circuit for a plasma display panel. , 2007, , .		1
238	New Single Sustaining Driver for AC-PDP employing Voltage Stress Reduction Technique. , 2007, , .		1
239	Current stress minimizing control scheme for power factor correction ( PFC ) boost pre-regulator. , 2007, , .		0
240	Charge Equalization with Series Coupling of Multiple Primary Windings for Hybrid Electric Vehicle Li-Ion Battery System. , 2007, , .		17
241	Two-Stage Cell Balancing Scheme for Hybrid Electric Vehicle Lithium-Ion Battery Strings. , 2007, , .		47
242	Comparative study on a single energy recovery circuit with dividing energy recovery path for plasma display panels (PDPs). , 2007, , .		8
243	A New Dual Sustaining Driver Used Two-different Energy Recovery Circuits for Large-sized Plasma Display Panels (PDPs). , 2007, , .		0
244	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
245	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
246	A new PWM-controlled quasi-resonant converter for high efficiency PDP sustaining power module. , 2007, , .		0
247	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
248	A new battery equalizer based on buck-boost topology. , 2007, , .		30
249	Short Period Boost Current Transferring ZVS Boost Half Bridge Converter. , 2007, , .		3
250	Comparative Study on a Low Cost Sustaining Driver with Single and Dual Path Energy Recovery Circuits for Plasma Display Panels (PDPs). , 2007, , .		5
251	Band-gap reference voltage control strategy of power conditioning system for fuel cell hybrid vehicle. , 2007, , .		0
252	A new-half bridge converter without DC offset of magnetizing current. , 2007, , .		5

#	ARTICLE	IF	CITATIONS
253	New Cost-Effective PWM Single-Switch Isolated Converter. , 2007, , .		9
254	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
255	A new Single-Stage PFC AC/DC converter with Voltage-Doubler Rectified Asymmetric Half-Bridge converter. , 2007, , .		3
256	Voltage Oscillation Reduction Technique for Phase-Shift Full-Bridge Converter. IEEE Transactions on Industrial Electronics, 2007, 54, 2779-2790.	5.2	70
257	Double-Ended ZVS Half-Bridge Zeta Converter. , 2007, , .		2
258	A cold cathode fluorescent lamp driving circuit without a transformer for liquid crystal display backlight unit. , 2007, , .		4
259	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
260	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
261	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
262	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
263	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
264	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
265	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
266	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
267	New phase shift full bridge converter with wide ZVS ranges and low conduction losses. , 2004, , .		1
268	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
269	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
270	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



#	ARTICLE	IF	CITATIONS
271	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
272	Integrated ZCS quasi-resonant power factor correction converter based on flyback topology. IEEE Transactions on Power Electronics, 2000, 15, 634-643.	5.4	13
273	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
274	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
275	A push-pull quantum series resonant rectifier with predictive current control. International Journal of Electronics, 1995, 79, 363-377.	0.9	0
276	Simple low power level power supply. , 0, , .		2
277	Parameter estimation and control for permanent magnet synchronous motor drive using model reference adaptive technique. , 0, , .		24
278	A new single-stage AC/DC converter with high efficiency and high power factor. , 0, , .		7
279	A novel predictive current control of induction motor using resonant DC link inverter. , 0, , .		3
280	Design of high quality AC/DC converter with high efficiency based on half bridge topology. , 0, , .		9
281	Design of phase-shifted parallel-input/series-output dual inductor-fed push-pull converter for high-power step-up applications. , 0, , .		3
282	Single-stage high power factor converter with single-switch for universal input. , 0, , .		1
283	High-power step-up converter with high efficiency and fast output voltage dynamics. , 0, , .		0
284	Coupled nondissipative snubber fed single-stage AC/DC converter for simple low power level power supply application. , 0, , .		0
285	Analysis of carrier based PWM methods in relation to common mode voltage for multilevel inverter. , 0, , .		0
286	Zero-voltage and zero-current switching energy-recovery circuit for plasma display panel. , 0, , .		5
287	A high efficiency ZVS PWM asymmetrical half bridge converter for plasma display panel sustaining power module. , 0, , .		7
288	Synchronous PI decoupling control scheme for dynamic voltage restorer against a voltage sag in the power system. , 0, , .		3

#	ARTICLE	IF	CITATIONS
289	Analysis and design of asymmetrical ZVS PWM half bridge forward converter with flyback type transformer. , 0, , .		9
290	A New High Efficiency ZVZCS Bi-directional DC/DC Converter for 42V Power System of HEVs. , 0, , .		9
291	High Efficiency and Low Cost Sustain Driver with Current Injection Method for Plasma Display Panel. , 0, , .		1
292	A New High Efficiency Phase Shifted Full Bridge Converter for Sustaining Power Module of Plasma Display Panel. , 0, , .		5
293	Full ZVS-range Half Bridge Converter with Variable Transient Current Build-up (VTCB) Technique. , 0, , .		0
294	New Multi-Output LLC Resonant Converter for High Efficiency and Low Cost PDP Power Module. , 0, , .		8
295	A New PWM-Controlled Quasi-Resonant Converter For High Efficiency PDP Sustaining Power Module. , 0, , .		0
296	Zero-Voltage Switching and Soft-Commutating Two-transformer Full-Bridge PWM Converter Using the Voltage-Ripple. , 0, , .		1
297	A Single Switch Energy Recovery Circuit for Low Cost Plasma Display Panel. , 0, , .		1
298	Soft-Switching Multi-Level Energy Recovery Circuit of Single Driver for Plasma Display Panel. , 0, , .		2
299	Cost Effective Single Energy Recovery Circuit for Plasma Display Panel with Asymmetrical Recovery Operation. , 0, , .		0
300	A novel energy-recovery circuit for a plasma display panel. , 0, , .		0
301	Voltage Oscillation Reduction Technique For Phase-Shift Full-Bridge Converter. , 0, , .		0