

Gun-Woo Moon

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/110219/gun-woo-moon-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214
papers

5,395
citations

40
h-index

65
g-index

301
ext. papers

6,894
ext. citations

6.8
avg, IF

6.21
L-index

#	Paper	IF	Citations
214	Voltage-Balancing Dual Active Bridge (VB-DAB) Converter for Bipolar DC Distribution System. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	1
213	High-Efficiency Resonant Push-Pull AC Heater for Lithium-Ion Battery Pre-heating at Low Temperature 2021 ,		1
212	Low Common-Mode Noise LLC Resonant Converter With Static-Point-Connected Transformer. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 401-408	7.2	2
211	A High Step-Up Switched-Capacitor 13-Level Inverter With Reduced Number of Switches. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2505-2509	7.2	25
210	Low Common-Mode Noise Full-Bridge LLC Resonant Converter With Balanced Resonant Tank. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4105-4115	7.2	1
209	A Reconfigurable Totem-Pole PFC Rectifier With Light Load Optimization Control Strategy and Soft-Switching Capability. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4371-4382	7.2	2
208	A Self-Compensated Planar Coil With Integrated Single-Switch Regulator for Wireless Power Transfer (WPT) Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 10954-10958	7.2	4
207	New Bridgeless Power Factor Correction Converter With Simple Gate Driving Circuit and High Efficiency for Server Power Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13148-13156	7.2	3
206	Hold-Up Time Extension Method for LLC Resonant Converter by Detecting Operation Region. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9949-9952	7.2	5
205	High-Efficiency Zero-Voltage-Switching Totem-Pole Bridgeless Rectifier With Integrated Inrush Current Limiter Circuit. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 7421-7429	8.9	5
204	Half-Bridge Integrated Phase-Shifted Full-Bridge Converter With High Efficiency Using Center-Tapped Clamp Circuit for Battery Charging Systems in Electric Vehicles. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 4934-4945	7.2	12
203	A High-Power-Density Converter With a Continuous Input Current Waveform for Satellite Power Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 1024-1035	8.9	5
202	An Interleaved Active-Clamp Forward Converter Modified for Reduced Primary Conduction Loss Without Additional Components. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 121-130	7.2	6
201	High-Efficiency Three-Level DCDC Converter With Reduced Circulating Current and Rectifier Voltage Stress. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 2668-2679	7.2	6
200	High-Efficiency Asymmetrical Half-Bridge Converter With a New Coupled Inductor Rectifier (CIR). <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 11541-11552	7.2	8
199	High-Efficiency Phase-Shifted Full-Bridge Converter With a New Coupled Inductor Rectifier (CIR). <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8468-8480	7.2	15
198	An Interleaved Totem-Pole Bridgeless Boost PFC Converter with Soft-Switching Capability Adopting Phase-Shifting Control. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10610-10618	7.2	17

197	Phase-Shifted Full-Bridge DCDC Converter With High Efficiency and High Power Density Using Center-Tapped Clamp Circuit for Battery Charging in Electric Vehicles. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10945-10959	7.2	36
196	A New Standby Structure Integrated With Boost PFC Converter for Server Power Supply. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5283-5293	7.2	12
195	A Simple SR Gate Driving Circuit With Reduced Gate Driving Loss for Phase-Shifted Full-Bridge Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9310-9317	7.2	8
194	Analysis on Synchronous Rectifier Control to Improve Regulation Capability of High-Frequency LLC Resonant Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7252-7259	7.2	24
193	A Bridgeless Dual Boost Rectifier With Soft-Switching Capability and Minimized Additional Conduction Loss. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2226-2233	8.9	7
192	A New Zero-Voltage Switching Three-Level Converter with Reduced Rectifier Voltage Stress 2018 ,		2
191	ZVS Interleaved Totem-pole Bridgeless PFC Converter with Phase-shifting Control 2018 ,		1
190	A Zero-Voltage-Switching Totem-pole Bridgeless Boost Power Factor Correction Rectifier having Minimized Conduction Losses 2018 ,		2
189	Asymmetrical Half-Bridge Converter With Zero DC-offset Current in Transformer Using New Rectifier Structure 2018 ,		2
188	High Voltage Gain Interleaved Active-Clamp Forward (IACF) Converter having Reduced Primary Conduction Loss 2018 ,		1
187	Analysis for High-frequency LLC Resonant Converter with Planar Transformer at Light-load Condition 2018 ,		1
186	Circulating Current-less Phase-Shifted Full-Bridge Converter With New Rectifier Structure 2018 ,		1
185	Self-preheating Method for Li-ion Battery Using Battery Impedance Estimator 2018 ,		1
184	A High-Efficiency Asymmetrical Half-Bridge Converter With Integrated Boost Converter in Secondary Rectifier. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8237-8242	7.2	11
183	Analysis on half-bridge LLC resonant converter by using variable inductance for high efficiency and power density server power supply 2017 ,		20
182	An Asymmetric Half-Bridge Resonant Converter Having a Reduced Conduction Loss for DC/DC Power Applications With a Wide Range of Low Input Voltage. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7795-7804	7.2	42
181	A simple THD improving method for CCM boost PFC converter under mixed conduction mode operation 2017 ,		3
180	Improved three switch-active clamp forward converter with low switching loss 2017 ,		2

179	PWM half-bridge zeta converter utilizing resonant technique for reduced peak current 2017 ,		1
178	An improved current compensation method for high PF and low THD in digital boost power factor corrector 2017 ,		3
177	Novel multi-coil resonator design for wireless power transfer through reinforced concrete structure with rebar array 2017 ,		3
176	Duty-Ratio-Control-Aided LLC Converter for Current Balancing of Two-Channel LED Driver. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1178-1184	8.9	21
175	Analysis and Design of a Hybrid-Type Converter for Optimal Conversion Efficiency in Electric Vehicle Chargers. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2789-2800	8.9	23
174	Improving the Light-Load Regulation Capability of LLC Series Resonant Converter Using Impedance Analysis. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7056-7067	7.2	46
173	A Boost PFC Stage Utilized as Half-Bridge Converter for High-Efficiency DCDC Stage in Power Supply Unit. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7449-7457	7.2	28
172	Analysis and Design of a Single-Switch Forward-Flyback Two-Channel LED Driver With Resonant-Blocking Capacitor. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2314-2323	7.2	20
171	Bode plot and impedance asymptotes for light-load regulation of LLC series resonant converter 2016 ,		4
170	Wireless power and data transfer system for smart bridge sensors 2016 ,		3
169	. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 942-951	7.2	35
168	A Digital Predictive Peak Current Control for Power Factor Correction With Low-Input Current Distortion. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 900-912	7.2	37
167	Wide ZVS Range Asymmetric Half-Bridge Converter With Clamp Switch and Diode for High Conversion Efficiency. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 2862-2870	8.9	13
166	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. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 6596-6606	7.2	22
165	Battery Impedance Analysis Considering DC Component in Sinusoidal Ripple-Current Charging. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 1561-1573	8.9	46
164	Minimizing Effect of Input Filter Capacitor in a Digital Boundary Conduction Mode Power Factor Corrector Based on Time-Domain Analysis. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 3827-3836	7.2	25
163	Resonant Capacitor On/Off Control of Half-Bridge LLC Converter for High-Efficiency Server Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5410-5415	8.9	31
162	Integrated Asymmetrical Half-Bridge Zeta (AHBZ) Converter for DC/DC Stage of LED Driver With Wide Output Voltage Range and Low Output Current. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 7489-7498	8.9	19

161	A strategic control scheme of phase-shift full bridge converter for improving light-load efficiency in server power system 2015 ,		2
160	Analysis on Load-Adaptive Phase-Shift Control for High Efficiency Full-Bridge LLC Resonant Converter Under Light-Load Conditions. <i>IEEE Transactions on Power Electronics</i> , 2015 , 1-1	7.2	56
159	A Novel Accurate Primary-Side Control (PSC) Method for Half-Bridge (HB) LLC Converter. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 1797-1803	7.2	15
158	A High-Efficiency PFM Half-Bridge Converter Utilizing a Half-Bridge LLC Converter Under Light Load Conditions. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 4931-4942	7.2	26
157	Derivation, Analysis, and Comparison of Nonisolated Single-Switch High Step-up Converters With Low Voltage Stress. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 1336-1344	7.2	35
156	Dimming-Feedback Control Method for TRIAC Dimmable LED Drivers. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 960-965	8.9	29
155	A Digitally Controlled Soft Valley Change Technique for a Flyback Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 966-971	8.9	19
154	Wireless power transfer system with an asymmetric 4-coil resonator for electric vehicle battery chargers 2015 ,		2
153	High-Efficiency LLC Resonant Converter With High Voltage Gain Using an Auxiliary LC Resonant Circuit. <i>IEEE Transactions on Power Electronics</i> , 2015 , 1-1	7.2	42
152	Wireless Power Transfer System With an Asymmetric Four-Coil Resonator for Electric Vehicle Battery Chargers. <i>IEEE Transactions on Power Electronics</i> , 2015 , 1-1	7.2	64
151	High-Efficiency Two-Inductor PFC Boost Converter Employing SPDT Relay. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 2901-2904	7.2	1
150	A Digitally Controlled Critical Mode Boost Power Factor Corrector With Optimized Additional On Time and Reduced Circulating Losses. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3447-3456	7.2	35
149	A New Center-Tapped Half-Bridge Zeta Converter With Small Transformer DC-Offset Current and Low Voltage Stress. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6593-6603	7.2	17
148	Center-Cell Concentration Structure of a Cell-to-Cell Balancing Circuit With a Reduced Number of Switches. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 5285-5297	7.2	105
147	A Chain Structure of Switched Capacitor for Improved Cell Balancing Speed of Lithium-Ion Batteries. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 3989-3999	8.9	193
146	A New LLC Series Resonant Converter with a Narrow Switching Frequency Variation and Reduced Conduction Losses. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 4278-4287	7.2	72
145	A Simple Switching Control Technique for Improving Light Load Efficiency in a Phase-Shifted Full-Bridge Converter with a Server Power System. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1562-1566 ⁷¹	7.2	71
144	Isolated Switch-Mode Current Regulator With Integrated Two Boost LED Drivers. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4649-4653	8.9	28

143	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 3978-3988	8.9	60
142	A simple control scheme for improving light-load efficiency in a full-bridge LLC resonant converter 2014 ,		5
141	Load Adaptive Gate Driving Method for High Efficiency Under Light-Load Conditions. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4674-4679	8.9	11
140	Hybrid Dual Full-Bridge DCDC Converter With Reduced Circulating Current, Output Filter, and Conduction Loss of Rectifier Stage for RF Power Generator Application. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1069-1081	7.2	26
139	Zero-Voltage Switching Multioutput Flyback Converter With Integrated Auxiliary Buck Converter. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3001-3010	7.2	11
138	On/Off Control of Boost PFC Converters to Improve Light-Load Efficiency in Paralleled Power Supply Units for Servers. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 1235-1242	8.9	30
137	A Half-Bridge LLC Resonant Converter Adopting Boost PWM Control Scheme for Hold-Up State Operation. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 841-850	7.2	70
136	The $\$k\$-Q$ Analysis for an LLC Series Resonant Converter. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 13-16	7.2	57
135	A Three-Level Converter With Reduced Filter Size Using Two Transformers and Flying Capacitors. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 46-53	7.2	36
134	Light-load efficiency improvement using load adaptive gate driving method 2013 ,		1
133	A Modularized Charge Equalizer Using a Battery Monitoring IC for Series-Connected Li-Ion Battery Strings in Electric Vehicles. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 3779-3787	7.2	195
132	Variable Delay Time Method in the Phase-Shifted Full-Bridge Converter for Reduced Power Consumption Under Light Load Conditions. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 5120-5127	7.2	36
131	A New Control Method of Interleaved Single-Stage Flyback ACDC Converter for Outdoor LED Lighting Systems. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 4051-4062	7.2	73
130	Wide-Range ZVS Phase-Shift Full-Bridge Converter With Reduced Conduction Loss Caused by Circulating Current. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 3308-3316	7.2	75
129	Analysis and Design of Phase-Shifted Dual H-Bridge Converter With a Wide ZVS Range and Reduced Output Filter. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 4415-4426	8.9	27
128	Switching control method for light load efficiency improvement in phase shifted full bridge converter 2013 ,		2
127	Series-series compensated wireless power transfer at two different resonant frequencies 2013 ,		18
126	Analysis and design of Boost-LLC converter for high power density AC-DC adapter 2013 ,		10

125	Start-Up Control to Prevent Overcurrent During Hot Swap in Paralleled DCDC Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 5558-5574	8.9	6
124	Soft-Switching DC/DC Converter With a Full ZVS Range and Reduced Output Filter for High-Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 112-122	7.2	73
123	A New Standby Structure Based on a Forward Converter Integrated With a Phase-Shift Full-Bridge Converter for Server Power Supplies. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 336-346	7.2	37
122	Improved Phase-Shift PWM Converter for Larger Sized PDP Slim Sustain Power Module. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 945-958	7.2	9
121	A New Asymmetrical Half-Bridge Converter With Zero DC-Offset Current in Transformer. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 2297-2306	7.2	23
120	Phase-Shifted PWM Converter With a Wide ZVS Range and Reduced Circulating Current. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 908-919	7.2	62
119	Zero No-Load Power AC/DC Adapter for Electronic Equipment With Embedded Battery. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 3073-3076	7.2	9
118	Analysis and design of wireless power transfer system with an intermediate coil for high efficiency 2013 ,		9
117	Unexpected bi-directional operation of Phase-Shift Full-Bridge Converter in parallel operation system 2013 ,		2
116	High-Efficiency Slim Adapter With Low-Profile Transformer Structure. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 3445-3449	8.9	31
115	An interleaved single-stage flyback AC-DC converter with wide output power range for outdoor LED lighting system 2012 ,		2
114	Design on topologies for high efficiency two-stage AC-DC converter 2012 ,		5
113	Boost integrated flyback AC-DC converter with valley fill circuit for LED light bulb 2012 ,		7
112	Single-Magnetic Cell-to-Cell Charge Equalization Converter With Reduced Number of Transformer Windings. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2900-2911	7.2	152
111	A Modularized Two-Stage Charge Equalizer With Cell Selection Switches for Series-Connected Lithium-Ion Battery String in an HEV. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3764-3774	7.2	136
110	No-Load Power Reduction Technique for AC/DC Adapters. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3685-3694	7.2	9
109	A modularized BMS with an active cell balancing circuit for lithium-ion batteries in V2G system 2012 ,		5
108	Switched capacitor with chain structure for cell-balancing of lithium-ion batteries 2012 ,		10

107	Interleaved Buck Converter Having Low Switching Losses and Improved Step-Down Conversion Ratio. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3664-3675	7.2	93
106	Asymmetric PWM Control Scheme During Hold-Up Time for $\$LLC\$$ Resonant Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 2992-2997	8.9	88
105	Active-clamp forward converter with asymmetric transformer turns for reducing transformer DC offset current 2012 ,		3
104	High Step-up Boost Converter Integrated With a Transformer-Assisted Auxiliary Circuit Employing Quasi-Resonant Operation. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 1974-1984	7.2	52
103	A zero-voltage and zero-current switching full bridge converter using an auxiliary circuit 2012 ,		2
102	A new control method in Phase-Shifted Full-bridge converter for reduced power consumption under light load conditions 2012 ,		4
101	Three-Level Resonant Converter With Double $\$LLC\$$ Resonant Tanks for High-Input-Voltage Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 3450-3463	8.9	30
100	Analysis and Design of a Three-Level LLC Series Resonant Converter for High- and Wide-Input-Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2966-2979	7.2	100
99	Transformer Integrated With Additional Resonant Inductor for Phase-Shift Full-Bridge Converter With Primary Clamping Diodes. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2405-2414	7.2	26
98	Design of Low-Cost Address Energy Recovery Circuit of AC-PDP With Load-Adaptive Characteristics. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 402-411	8.9	2
97	Design of a Digital Offset Compensator Eliminating Transformer Magnetizing Current Offset of a Phase-Shift Full-Bridge Converter. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 331-341	7.2	21
96	High Step-Up DC-DC Converters Using Zero-Voltage Switching Boost Integration Technique and Light-Load Frequency Modulation Control. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 1383-1400	7.2	76
95	Analysis on Center-Tap Rectifier Voltage Oscillation of LLC Resonant Converter. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2684-2689	7.2	22
94	Interleaved buck converter having low switching losses and improved step-down conversion ratio 2011 ,		1
93	A new non-isolated high step-up converter with reduced voltage stress 2011 ,		1
92	Single switching double powering converter for reducing power consumption of AC/DC adapter in standby mode 2011 ,		5
91	A New Phase-Shifted Full-Bridge Converter With Maximum Duty Operation for Server Power System. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 3491-3500	7.2	72
90	Nonisolated High Step-Up Stacked Converter Based on Boost-Integrated Isolated Converter. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 577-587	7.2	97

89	Analysis for LLC resonant converter considering parasitic components at very light load condition 2011,		26
88	Series-Input Series-Rectifier Interleaved Forward Converter With a Common Transformer Reset Circuit for High-Input-Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 3242-3253	7.2	23
87	Voltage-Source-Integrated Driving Waveform Amplifier With Energy Recovery Capability for Plasma Display Panel. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 1835-1847	8.9	
86	A New Standby Structure Using Multi-Output Full-Bridge Converter Integrating Flyback Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 4763-4767	8.9	40
85	A High-Efficiency Three-Phase ZVS PWM Converter Utilizing a Positive Double-Star Active Rectifier Stage for Server Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 3317-3329	8.9	15
84	Simple implementation of control gate signals for the interleaved LLC resonant converter for high current application. <i>International Journal of Circuit Theory and Applications</i> , 2011 , 39, 1275-1283	2	8
83	AC/DC notebook adapter with 22mW no-load power consumption 2011,		3
82	A new zero-voltage switching half-bridge converter with reduced rectifier voltage ringing 2011,		3
81	A new standby structure using multi-output full-bridge converter integrating flyback converter 2011,		1
80	Two-Transformer Current-Fed Converter With a Simple Auxiliary Circuit for a Wide Duty Range. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 1901-1912	7.2	13
79	A modularized charge equalizer using battery monitoring IC for series connected Li-Ion battery strings in an electric vehicle 2011,		17
78	LLC Resonant Converter With Adaptive Link-Voltage Variation for a High-Power-Density Adapter. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2248-2252	7.2	126
77	Implementation of digitally controlled phase shift full bridge converter for server power supply 2010,		13
76	Zero-voltage switching flyback-boost converter with voltage-doubler rectifier for high step-up applications 2010,		9
75	High step-up boost converter integrated with voltage-doubler 2010,		5
74	Digital load share controller design of paralleled phase-shifted full-bridge converters referencing the highest current 2010,		2
73	Zero-voltage-switching interleaved two-switch forward converter with phase-shift control 2010,		3
72	High-Efficient Multilevel Half-Bridge Converter. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 943-951	7.2	14

71	Three-Switch Active-Clamp Forward Converter With Low Switch Voltage Stress and Wide ZVS Range for High-Input-Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 889-898	7.2	22
70	Nonisolated High Step-up Boost Converter Integrated With Sepic Converter. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2266-2275	7.2	118
69	LLC series resonant converter with auxiliary circuit for hold-up time 2009 ,		12
68	Non-isolated high step-up converter based on boost integrated half-bridge converter 2009 ,		7
67	A New Buck-boost Type Battery Equalizer 2009 ,		26
66	Comparative Study of a Single Sustaining Driver (SSD) With Single- and Dual-Energy Recovery Circuits for Plasma Display Panels (PDPs). <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 540-547	7.2	1
65	Analysis and design of LLC resonant converter considering rectifier voltage oscillation 2009 ,		5
64	Coupled Inductor Incorporated Boost Half-Bridge Converter With Wide ZVS Operation Range. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 2505-2512	8.9	17
63	Novel Two-Phase Interleaved LLC Series-Resonant Converter Using a Phase of the Resonant Capacitor. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 1815-1819	8.9	110
62	Interleaved Forward Converter for High Input Voltage Application with Common Active-Clamp Circuit and Series Rectifier 2009 ,		1
61	ZVS phase shift full bridge converter with controlled leakage inductance of transformer 2009 ,		6
60	A Novel Two-Dimensional Adaptive Dimming Technique of X-Y Channel Drivers for LED Backlight System in LCD TVs. <i>Journal of Display Technology</i> , 2009 , 5, 20-26		24
59	Three-Level Capacitor Clamping Single Sustaining Driver With Dual Energy Recovery Path for Low Cost AC Plasma Display Panel. <i>Journal of Display Technology</i> , 2009 , 5, 398-407		1
58	An Improved Dual-Path Energy Recovery Circuit Using a Current Source and a Voltage Source for High-Resolution and Large-Sized Plasma Display Panel. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 1887-1895	7.2	2
57	PWM Resonant Single-Switch Isolated Converter. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 1876-1886	7.2	22
56	Analysis of LLC Resonant Converter considering effects of parasitic components 2009 ,		53
55	A new two-switch flyback battery equalizer with low voltage stress on the switches 2009 ,		1
54	New Dual Sustaining Driver Using Two Different Energy Recovery Circuits for Large-Sized Plasma Display Panels (PDPs). <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 221-230	8.9	4

53	A Modularized Charge Equalizer for an HEV Lithium-Ion Battery String. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 1464-1476	8.9	193
52	Energy-Recovery Circuit Using an Address Voltage Source for PDPs. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 3264-3266	8.9	3
51	A Simple and Highly Efficient Energy Recovery Circuit for a Plasma Display Panel (PDP). <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 782-790	8.9	8
50	Input-Voltage Feedforward (IVFF) Circuit Minimizing Current Stress of Voltage-Doubler Rectified Asymmetrical Half-Bridge (VDRAHB) Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 2222-2224	8.9	7
49	Full ZVS-Range Transient Current Buildup Half-Bridge Converter With Different ZVS Operations to Load Variation. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 2557-2559	8.9	15
48	Output inductor less phase shift full bridge converter with current stress reduction technique for server power application 2008 ,		1
47	Novel dual inductor-fed DC-DC converter integrated with parallel boost converter. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008 ,		5
46	A New Phase-Shifted Full-Bridge Converter With Voltage-Doubler-Type Rectifier for High-Efficiency PDP Sustaining Power Module. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 2450-2458	8.9	76
45	Zero-Voltage Switching and Soft-Commutating Two-Transformer Full-Bridge PWM Converter Using the Voltage-Ripple. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 1478-1488	8.9	21
44	A novel two-switch active clamp forward converter for high input voltage applications. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008 ,		1
43	High Efficiency Active Clamp Forward Converter for Sustaining Power Module of Plasma Display Panel. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 1874-1876	8.9	27
42	A New PWM-Controlled Quasi-Resonant Converter for a High Efficiency PDP Sustaining Power Module. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 1782-1790	7.2	23
41	Integrated boost-sepic converter for high step-up applications. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008 ,		7
40	New Cost-Effective PWM Single-Switch Isolated Converter 2007 ,		7
39	Cost Effective Zero-Voltage and Zero-Current Switching Current-Fed Energy-Recovery Display Driver for AC Plasma Display Panel. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 663-669	7.2	3
38	Voltage Oscillation Reduction Technique for Phase-Shift Full-Bridge Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 2779-2790	8.9	48
37	Double-Ended ZVS Half-Bridge Zeta Converter 2007 ,		1
36	A cold cathode fluorescent lamp driving circuit without a transformer for liquid crystal display backlight unit 2007 ,		1

35	Start-up inrush current reduction technique of asymmetrical half-bridge DC/DC converter for PC power supply 2007 ,		4
34	A novel asymmetric current-fed energy-recovery circuit for a plasma display panel 2007 ,		1
33	New Single Sustaining Driver for AC-PDP employing Voltage Stress Reduction Technique 2007 ,		1
32	Charge Equalization with Series Coupling of Multiple Primary Windings for Hybrid Electric Vehicle Li-Ion Battery System 2007 ,		11
31	Two-Stage Cell Balancing Scheme for Hybrid Electric Vehicle Lithium-Ion Battery Strings 2007 ,		39
30	Cost-Effective Zero-Voltage and Zero-Current Switching Current-Fed Energy-Recovery Display Driver for ac Plasma Display Panel. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1081-1088	7.2	2
29	High-Efficiency Active-Clamp Forward Converter With Transient Current Build-Up (TCB) ZVS Technique. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 310-318	8.9	79
28	Voltage Doubler Rectified Boost-Integrated Half Bridge (VDRBHB) Converter for Digital Car Audio Amplifiers. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 2321-2330	7.2	32
27	A new battery equalizer based on buck-boost topology 2007 ,		18
26	Short Period Boost Current Transferring ZVS Boost Half Bridge Converter 2007 ,		2
25	Comparative Study on a Low Cost Sustaining Driver with Single and Dual Path Energy Recovery Circuits for Plasma Display Panels (PDPs) 2007 ,		2
24	A single-stage power factor correction AC/DC converter based on zero voltage switching full bridge topology with two series-connected transformers. <i>IEEE Transactions on Power Electronics</i> , 2006 , 21, 89-97 ²	7.2	23
23	An Integrated Single-Stage Quasi-Resonant Power Factor Correction Converter with Active Clamp Circuit. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2005 , 15, 11-19	0.4	
22	A new active clamping zero-voltage switching PWM current-fed half-bridge converter. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 1271-1279	7.2	128
21	A novel current-fed energy-recovery sustaining driver for plasma display panel (PDP). <i>IEEE Transactions on Industrial Electronics</i> , 2005 , 52, 1702-1704	8.9	10
20	A resonant energy-recovery circuit for plasma display panel employing gas-discharge current compensation method. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 209-217	7.2	24
19	New zero-voltage-switching phase-shift full-bridge converter with low conduction losses. <i>IEEE Transactions on Industrial Electronics</i> , 2005 , 52, 228-235	8.9	100
18	Analysis and design of a single-stage single-switch bi-flyback ac/dc converter. <i>International Journal of Electronics</i> , 2004 , 91, 25-40	1.2	4

17	Analysis and design of phase shift full bridge converter with series-connected two transformers. <i>IEEE Transactions on Power Electronics</i> , 2004 , 19, 411-419	7.2	66
16	Analysis and Design of a Single-Stage ZCS Quasi-Resonant AC/DC Converter with Low DC Link Capacitor Voltage. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2004 , 14, 8-15	0.4	
15	A voltage-balanced phase-shifted three-level DC/DC converter operating from high-input voltage. <i>IEEE Power Electronics Letters</i> , 2003 , 1, 74-77		12
14	Phase-shifted parallel-input/series-output dual converter for high-power step-up applications. <i>IEEE Transactions on Industrial Electronics</i> , 2002 , 49, 649-652	8.9	18
13	Phase-shifted parallel-input/series-output dual convertor for high-power high-output voltage applications. <i>International Journal of Electronics</i> , 2002 , 89, 603-624	1.2	2
12	Integrated ZCS quasi-resonant power factor correction converter based on flyback topology. <i>IEEE Transactions on Power Electronics</i> , 2000 , 15, 634-643	7.2	10
11	A current control for a permanent magnet synchronous motor with a simple disturbance estimation scheme. <i>IEEE Transactions on Control Systems Technology</i> , 1999 , 7, 630-633	4.8	53
10	Decoupled output voltage control of quantum series resonant converter for improved buck-boost operation. <i>IEEE Transactions on Power Electronics</i> , 1996 , 11, 147-161	7.2	
9	A push-pull quantum series resonant rectifier with predictive current control. <i>International Journal of Electronics</i> , 1995 , 79, 363-377	1.2	
8	Design of high quality AC/DC converter with high efficiency based on half bridge topology		4
7	A New High Efficiency ZVZCS Bi-directional DC/DC Converter for 42V Power System of HEVs		2
6	New multi-output LLC resonant converter for high efficiency and low cost PDP power module		2
5	Zero-voltage switching and soft-commutating two-transformer full-bridge PWM converter using the voltage-ripple		1
4	A high efficiency ZVS PWM asymmetrical half bridge converter for plasma display panel sustaining power module		4
3	Parameter estimation and control for permanent magnet synchronous motor drive using model reference adaptive technique		9
2	A new single-stage AC/DC converter with high efficiency and high power factor		3
1	A New Receiver-Side Integrated Regulator With Phase Shift Control Strategy For Wireless Power Transfer System		