

# Han-Shin Youn

## List of Publications by Year in descending order

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docs citations

22  
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329  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Digital Predictive Peak Current Control for Power Factor Correction With Low-Input Current Distortion. IEEE Transactions on Power Electronics, 2016, 31, 900-912.	7.9	53
2	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.	7.9	50
3	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.	7.9	40
4	Analysis on Synchronous Rectifier Control to Improve Regulation Capability of High-Frequency LLC Resonant Converter. IEEE Transactions on Power Electronics, 2018, 33, 7252-7259.	7.9	36
5	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.	7.9	31
6	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.	7.9	30
7	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.	7.9	23
8	A simple control scheme for improving light-load efficiency in a full-bridge LLC resonant converter. , 2014, , .		15
9	Modified Power Factor Correction (PFC) Control and Printed Circuit Board (PCB) Design for High-Efficiency and High-Power Density On-Board Charger. Energies, 2021, 14, 605.	3.1	13
10	High-Efficiency LLC Resonant Converter With Reconfigurable Voltage Multiplying Rectifier for Wide Output Voltage Applications. IEEE Transactions on Power Electronics, 2021, 36, 7641-7651.	7.9	12
11	Study on Boost Converters with High Power-Density for Hydrogen-Fuel-Cell Hybrid Railway System. Electronics (Switzerland), 2020, 9, 771.	3.1	10
12	A high efficiency critical mode boost PFC using a variable inductor. , 2016, , .		9
13	Full-Bridge Active-Clamp Forward-Flyback Converter with an Integrated Transformer for High-Performance and Low Cost Low-Voltage DC Converter of Vehicle Applications. Energies, 2020, 13, 863.	3.1	9
14	Zero-voltage-switching interleaved two-switch forward converter with phase-shift control. , 2010, , .		6
15	Development of Phase-Shift Full-Bridge Converter With Integrated Winding Planar Two-Transformer for LDC. IEEE Transactions on Transportation Electrification, 2023, 9, 1215-1226.	7.8	5
16	Gate driving method for synchronous rectifiers in phase-shifted full-bridge converter. , 2015, , .		3
17	Improved three switch-active clamp forward converter with low switching loss. , 2017, , .		3
18	A digital leading phase current reduction (LPCR) technique for CCM boost PFC in light load conditions. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	A new efficient hold-up time compensation method for high efficiency DC/DC stage. , 2016, , .		1
20	Interleaved active clamp forward converter with additional series-connected secondary windings for wide input and high current output applications. , 2016, , .		1
21	Differential Power Processing Converter with an Integrated Transformer and Secondary Switch for Power Generation Optimization of Multiple Photovoltaic Submodules. Energies, 2022, 15, 1210.	3.1	1
22	PWM positive buck-boost converter with reduced switching loss employing quasi-resonant operation. , 2010, , .		0