

Jing-Yuan Lin

List of Publications by Year in Descending Order

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

45 papers	364 citations	9 h-index	17 g-index
57 ext. papers	462 ext. citations	3.2 avg, IF	3.61 L-index

#	Paper	IF	Citations
45	Analysis and Design of Three-Phase LLC Resonant Converter with Matrix Transformers. <i>Energies</i> , 2022 , 15, 1315	3.1	2
44	Design of Boost-Type Power Factor Correction with Stepped Air-Gap Ferrite Inductor for Peak-Power-Load Condition. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
43	Current Sharing Control of an Interleaved Three-Phase Series-Resonant Converter with Phase Shift Modulation. <i>Energies</i> , 2021 , 14, 2470	3.1	0
42	Interleaved LLC half-bridge series resonant converter with integrated transformer 2021 , 44, 388-398		
41	Analysis of Three-Phase Wye-Delta Connected LLC. <i>Energies</i> , 2021 , 14, 3606	3.1	
40	A Low EMI DC-DC Buck Converter with a Triangular Spread-Spectrum Mechanism. <i>Energies</i> , 2020 , 13, 856	3.1	3
39	A Quasi-V2 Hysteretic Buck Converter With Adaptive COT Control for Fast DVS and Load-Transient Response in RF Applications. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 531-535	3.5	10
38	A Novel Multi-Element Resonant Converter with Self-Driven Synchronous Rectification. <i>Energies</i> , 2019 , 12, 715	3.1	2
37	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1266-1275	7.2	14
36	Design of Bidirectional DC-DC Converter for Energy Storage System in High Power Application 2019 ,		1
35	Active-Clamp Forward Converter With Lossless-Snubber on Secondary-Side. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7650-7661	7.2	7
34	A Transient Enhancement DCDC Buck Converter With Dual Operating Modes Control Technique. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1376-1380	3.5	18
33	A novel active-clamp zero-voltage-switching buck-boost converter. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 868-881	2	2
32	A High voltage-gain boost converter with coupled-inductor 2018 , 41, 1-7		7
31	A zero-voltage-switched three-phase interleaved buck converter. <i>International Journal of Electronics</i> , 2018 , 105, 572-585	1.2	1
30	A DSP based digital control strategy for ZVS bidirectional Buck+Boost converter 2018 ,		4
29	Buck DC-DC converter for fast transient response using dual current pumping control technique 2018 ,		1

28	Efficiency optimisation of ZVS isolated bidirectional DAB converters. <i>IET Power Electronics</i> , 2018 , 11, 1499-1506	2.2	17
27	Area-Saving and High-Efficiency RGB LED Driver with Adaptive Driving Voltage and Energy-Saving Technique. <i>Energies</i> , 2018 , 11, 1422	3.1	2
26	An interleaved buck converter with asymmetric phase-shift control. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2018 , 1-8	0.4	1
25	Study and Implementation on Start-Up Control of Full-Bridge LLC Resonant Converter 2018 ,		3
24	A Single-Stage Asymmetrical Half-Bridge Flyback Converter with Resonant Operation. <i>Energies</i> , 2018 , 11, 1721	3.1	2
23	LLC resonant converter utilizing a step-gap transformer structure for holdup time improvement. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 2545-2553	2	1
22	Study and implementation of a 15-W driver for piezoelectric actuators. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 439-454	2	3
21	A novel low-loss control strategy for bidirectional DCDC converter. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 1801-1813	2	14
20	A study and implementation of three-level boost converter with MPPT for PV application 2017 ,		5
19	Simple four-quadrant grid-tie control scheme with unity power factor rectifier mode for single-phase DC/AC converters. <i>IET Renewable Power Generation</i> , 2017 , 11, 1483-1493	2.9	2
18	Study on LCC-C Wireless Power Transfer 2017 ,		4
17	Design and implementation of 1 MHz active-clamped resonant flyback converter 2017 ,		9
16	High step-up voltage-doubling DC-DC converter with coupled inductors 2016 ,		2
15	Switched-capacitor charge equalization circuit for series-connected batteries 2016 ,		1
14	Modular battery balancing circuit based on bidirectional flyback converter 2016 ,		1
13	One cycle controlled grid-tied differential boost inverter. <i>IET Power Electronics</i> , 2016 , 9, 2216-2222	2.2	8
12	A DSP-based differential boost inverter with maximum power point tracking 2015 ,		5
11	Analysis and design of a two-transformer active-clamping ZVS isolated inverse-SEPIC converter. <i>International Journal of Circuit Theory and Applications</i> , 2014 , 42, 111-126	2	3

10	Analysis and design of a pushPull DCM boost power factor corrector. <i>International Journal of Circuit Theory and Applications</i> , 2013 , 41, 410-423	2	2
9	Analysis and design of a dual-mode control flyback converter. <i>International Journal of Circuit Theory and Applications</i> , 2013 , 41, 772-778	2	2
8	Analysis and Design of a PushPull Quasi-Resonant Boost Power Factor Corrector. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 347-356	7.2	18
7	Analysis and design of an active-clamping zero-voltage-switching isolated inverse-SEPIC converter. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 287-305	2	9
6	Analysis and design of a half-bridge LLC series resonant converter employing two transformers. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 985-998	2	7
5	Analysis and design of a two-transformer active-clamping forward converter with parallel-connected current doubler rectifiers. <i>International Journal of Circuit Theory and Applications</i> , 2011 , 39, 501-514	2	9
4	Analysis and design of a push-pull DCM boost power factor corrector 2010 ,		1
3	Analysis and Design of an Interleaved Active-Clamping Forward Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 2323-2332	8.9	42
2	Switching-Frequency Control for Regulated Discontinuous-Conduction-Mode Boost Rectifiers. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 760-768	8.9	29
1	Active-Clamping ZVS Flyback Converter Employing Two Transformers. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 2416-2423	7.2	83