

# Yie-Tone Chen

## List of Publications by Year in descending order

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37  
papers

707  
citations

567281

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580821

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docs citations

37  
times ranked

672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and Design of a Zero-Voltage-Switching and Zero-Current-Switching Interleaved Boost Converter. IEEE Transactions on Power Electronics, 2012, 27, 161-173.	7.9	110
2	Analysis and Design of a Novel High-Step-Up DC/DC Converter With Coupled Inductors. IEEE Transactions on Power Electronics, 2018, 33, 425-436.	7.9	91
3	A Novel Soft-Switching Interleaved Coupled-Inductor Boost Converter With Only Single Auxiliary Circuit. IEEE Transactions on Power Electronics, 2018, 33, 2267-2281.	7.9	53
4	Properties of Cogging Torque, Starting Torque, and Electrical Circuits for the Single-Phase Brushless DC Motor. IEEE Transactions on Magnetics, 2008, 44, 2317-2323.	2.1	45
5	DC-DC converter with high voltage gain and reduced switch stress. IET Power Electronics, 2014, 7, 2564-2571.	2.1	40
6	A new quasi-parallel resonant DC link for soft-switching PWM inverters. IEEE Transactions on Power Electronics, 1998, 13, 427-435.	7.9	38
7	An interleaved high step-up DC-DC converter with double boost paths. International Journal of Circuit Theory and Applications, 2015, 43, 967-983.	2.0	38
8	Optimal Driving Efficiency Design for the Single-Phase Brushless DC Fan Motor. IEEE Transactions on Magnetics, 2010, 46, 1123-1130.	2.1	37
9	An Accurate Automatic Phase Advance Adjustment of Brushless DC Motor. IEEE Transactions on Magnetics, 2009, 45, 120-126.	2.1	30
10	Analysis and implementation of a novel high step-up DC-DC converter with low switch voltage stress and reduced diode voltage stress. IET Power Electronics, 2016, 9, 2003-2012.	2.1	25
11	Analysis and Design of a Dimmable Electronic Ballast Controlled by a Switch-Controlled Capacitor. IEEE Transactions on Industrial Electronics, 2005, 52, 1564-1572.	7.9	23
12	New multi-output switching converters with MOSFET-rectifier post regulators. IEEE Transactions on Industrial Electronics, 1998, 45, 609-616.	7.9	21
13	Multi-objective dynamic optimal power flow using improved artificial bee colony algorithm based on Pareto optimization. International Transactions on Electrical Energy Systems, 2016, 26, 692-712.	1.9	18
14	Small-signal modeling of magnetic amplifier post regulators with current-mode control. IEEE Transactions on Industrial Electronics, 2000, 47, 821-831.	7.9	17
15	Coevolutionary Algorithm Based on Lagrangian Method for Hydrothermal Generation Scheduling. IEEE Transactions on Power Systems, 2009, 24, 499-507.	6.5	16
16	A DC-DC buck converter chip with integrated PWM/PFM hybrid-mode control circuit. , 2009, , .		15
17	Small-signal analysis of a synchronous-switch post regulator with coupled inductors. IEEE Transactions on Industrial Electronics, 2000, 47, 55-66.	7.9	14
18	Compact-Size and High-Conversion-Efficiency Regulator for Alternating-Current-Operated Light-Emitting Diodes. IEEE Transactions on Industrial Electronics, 2011, 58, 4130-4135.	7.9	8

#	ARTICLE	IF	CITATIONS
19	A virus-evolutionary differentiated-PSO approach for short-term generation scheduling with uncertainties. International Transactions on Electrical Energy Systems, 2016, 26, 2288-2307.	1.9	8
20	Axial Magnetic Force Analysis and Optimized Design for Single-Phase BLDC Slim Fan Motors. IEEE Transactions on Industrial Electronics, 2021, 68, 6840-6848.	7.9	8
21	Optimizing Efficiency Driver Comprising Phase-Locked Loop for the Single-Phase Brushless DC Fan Motor. IEEE Transactions on Magnetics, 2012, 48, 1937-1942.	2.1	7
22	A bridgeless active-clamp power factor correction isolated SEPIC converter with mixed DCM/CCM operation. , 2013, , .		6
23	An Initial States Recognition (ISR) Method for Start-Up of 1 $\Phi$ BLDC Motor in Hall-Sensor-Less Fan Applications. IEEE Transactions on Industrial Electronics, 2020, 67, 8302-8311.	7.9	6
24	Analysis and implementation of a novel space vector modulation strategy for multilevel inverter about the operations in the overmodulation region. , 2010, , .		5
25	A multiple-winding bidirectional flyback converter used in the solar system. , 2013, , .		5
26	An interleaved high step-up DC-DC converter with cumulative voltage unit. , 2015, , .		5
27	The Switched-Capacitor step-down DC-DC converter with improved voltage stability and load range. , 2010, , .		4
28	Analysis and Design of a Smart Startup Method for a Single-Phase BLDC Fan Motor. Electric Power Components and Systems, 2018, 46, 1844-1856.	1.8	4
29	Analysis and implementation of a simplified optimized space vector modulation strategy for multilevel inverter based on the equivalent inverter. , 2009, , .		3
30	A new DSP-based ZVT photovoltaic energy conversion system. , 2011, , .		2
31	A novel variable step-size MPPT method for PV system with single sensor. , 2014, , .		2
32	Analysis and design of sliding mode control applied to magamp post regulators. European Transactions on Electrical Power, 2005, 15, 63-76.	1.0	1
33	A single-sensor PV system featuring an innovative auto-adjustment variable step-size MPPT method. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2015, 38, 866-877.	1.1	1
34	An Indirect Current Phase Detection Method Applied to Automatic Phase Compensation Driver for 1 $\hat{1}$ BLDC Fan Motor. Electric Power Components and Systems, 2018, 46, 1340-1350.	1.8	1
35	Control-loop modeling of the controllable ZVS PWM forward converters using saturable magnetic cores. IEEE Transactions on Power Electronics, 2000, 15, 140-155.	7.9	0
36	Analysis and design of a current-sensorless synchronous rectification power factor correction SEPIC converter applying to brushless DC motors. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	A variable step-size MPPT method applied for a partial-shadow PV system. , 2015, , .		0