

Shuhan Zhou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dynamic Freewheeling Control for SIDO Buck Converter With Fast Transient Performance, Minimized Cross-Regulation, and High Efficiency. IEEE Transactions on Industrial Electronics, 2023, 70, 1467-1477.	7.9	18
2	Rethinking Basic Assumptions for Modeling Parasitic Capacitance in Inductors. IEEE Transactions on Power Electronics, 2022, 37, 8281-8289.	7.9	20
3	Modeling and Analysis of Voltage Ripple-Controlled SIDO Buck Converter in Pseudo-Continuous Conduction Mode with Limited Cross-Regulation and Fast Load Transient Performance. Electronics (Switzerland), 2022, 11, 1731.	3.1	0
4	Small-Signal Modeling and Cross-Regulation Suppressing for Current-Mode Controlled Single-Inductor Dual-Output DC-DC Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 5744-5755.	7.9	18
5	Digital Average-Ripple-Based Control Techniques for Switching Converters With Fast Transient Performance. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 89-101.	5.4	7
6	Flicker-Free Resonant LED Driver With High Power Factor and Passive Current Balancing. IEEE Access, 2021, 9, 6008-6017.	4.2	14
7	Discrete-Time Modeling and Symmetrical Dynamics of V^2 -Controlled Buck Converters With Trailing-Edge and Leading-Edge Modulations. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3995-4008.	5.4	13
8	Digital Valley V^2 Control for Boost Converter With Fast Load-Transient Performance. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2089-2093.	3.0	11
9	Unified discrete-time modelling and dynamical behaviour analysis of current mode controlled tri-state dc-dc converters. IET Power Electronics, 2019, 12, 51-60.	2.1	2
10	Unified Discrete-Mapping Model and Dynamical Behavior Analysis of Current-Mode Controlled Single-Inductor Dual-Output DC-DC Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 366-380.	5.4	23
11	Stability Analysis for Peak Current-Mode Controlled Buck LED Driver Based on Discrete-Time Modeling. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1567-1580.	5.4	18
12	Discrete-Time Modeling and Stability Analysis of Peak-Current-Mode Controlled Buck Converter with Constant Current Load. , 2018, , .		0
13	Small Signal Modeling and RHP Zero Analysis of Tri-state Boost Converter with Different Freewheeling Control Strategies. , 2018, , .		5
14	Analysis of Pulse Train Controlled PCCM Boost Converter With Low Frequency Oscillation Suppression. IEEE Access, 2018, 6, 68795-68803.	4.2	8
15	Unified modelling and dynamical analysis of current-mode controlled single-inductor dual-output switching converter with ramp compensation. IET Power Electronics, 2018, 11, 1297-1305.	2.1	3
16	Voltage-mode variable frequency control for single-inductor dual-output buck converter with fast transient response. , 2017, , .		2
17	Bifurcation analysis and operation region estimation of current-mode-controlled SIDO boost converter. IET Power Electronics, 2017, 10, 846-853.	2.1	24
18	Digital average voltage control for switching DC-DC converters. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Improved constant on-time controlled buck converter with high output regulation accuracy. Electronics Letters, 2015, 51, 359-360.	1.0	5
20	Quasi-constant-frequency variable off-time control technique for buck-type DC-DC converter. Electronics Letters, 2015, 51, 1447-1449.	1.0	2