

Shuilin Tian

List of Publications by Year in descending order

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373
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#	ARTICLE	IF	CITATIONS
1	Equivalent Circuit Modeling of LLC Resonant Converter. IEEE Transactions on Power Electronics, 2020, 35, 8833-8845.	7.9	52
2	Modeling and Design Optimization of Capacitor Current Ramp Compensated Constant On-Time V^2 Control. IEEE Transactions on Power Electronics, 2018, 33, 7288-7296.	7.9	28
3	Small-Signal Equivalent Circuit Model of Quasi-Square-Wave Flyback Converter. IEEE Transactions on Power Electronics, 2017, 32, 5885-5888.	7.9	7
4	Equivalent circuit modeling of LLC resonant converter. , 2016, , .		42
5	A Simplified Equivalent Circuit Model of Series Resonant Converter. IEEE Transactions on Power Electronics, 2016, 31, 3922-3931.	7.9	79
6	Unified Equivalent Circuit Model and Optimal Design of V^2 Controlled Buck Converters. IEEE Transactions on Power Electronics, 2016, 31, 1734-1744.	7.9	59
7	Three-Terminal Switch Model of Constant On-time Current Mode with External Ramp Compensation. IEEE Transactions on Power Electronics, 2015, , 1-1.	7.9	28
8	Small Signal Analysis of V^2 Control Using Equivalent Circuit Model of Current Mode Controls. IEEE Transactions on Power Electronics, 2015, , 1-1.	7.9	13
9	Small-signal equivalent circuit model of series resonant converter. , 2015, , .		18
10	Small-Signal Analysis and Optimal Design of Constant Frequency V^2 Control. IEEE Transactions on Power Electronics, 2015, 30, 1724-1733.	7.9	34
11	Digital Hybrid Ripple-Based Constant On-Time Control for Voltage Regulator Modules. IEEE Transactions on Power Electronics, 2014, 29, 3132-3144.	7.9	32
12	Small-Signal Analysis and Optimal Design of External Ramp for Constant On-Time V^2 Control With Multilayer Ceramic Caps. IEEE Transactions on Power Electronics, 2014, 29, 4450-4460.	7.9	58
13	Equivalent circuit model of constant on-time current mode control with external ramp compensation. , 2014, , .		21
14	Unified equivalent circuit model of V^2 control. , 2014, , .		2
15	V^2 control with capacitor current ramp compensation using lossless capacitor current sensing. , 2013, , .		16
16	Small signal analysis of V^2 control using current mode equivalent circuit model. , 2013, , .		5
17	Small-signal analysis and design of constant frequency V^2 peak control. , 2013, , .		6
18	Small-signal Laplace-domain model for digital predictive current mode controls. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
19	Digital hybrid ripple-based constant on-time control for voltage regulator modules. , 2011, , .		14