

Yimin Lu

List of Publications by Year in descending order

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26
papers

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26
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277
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Backstepping Sliding Mode Control for Boost Converter With Constant Power Load. IEEE Access, 2019, 7, 50797-50807.	4.2	108
2	Decoupling and Optimal Control of Multilevel Buck DC-DC Converters With Inverse System Theory. IEEE Transactions on Industrial Electronics, 2020, 67, 7861-7870.	7.9	30
3	Memristor Based van der Pol Oscillation Circuit. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450154.	1.7	16
4	Sigmoid Function Model for a PFM Power Electronic Converter. IEEE Transactions on Power Electronics, 2020, 35, 4233-4241.	7.9	14
5	Bifurcations and chaos in indirect field-oriented control of induction motors. Journal of Control Theory and Applications, 2004, 2, 353-357.	0.8	11
6	Parameters self-tuning PID controller circuit with memristors. International Journal of Circuit Theory and Applications, 2018, 46, 138-154.	2.0	11
7	Impedance Modeling and Stability Analysis of DFIG-Based Wind Energy Conversion System Considering Frequency Coupling. Energies, 2021, 14, 3243.	3.1	7
8	A Comprehensive Framework for Robust AC/DC Grid State Estimation Against Measurement and Control Input Errors. IEEE Transactions on Power Systems, 2022, 37, 1067-1077.	6.5	7
9	Two Chaos-Based PWM Strategies for Suppression of Harmonics. , 2006, , .		5
10	Feedback Linearization Adaptive Control for a Buck Converter with Constant Power Loads. , 2018, , .		5
11	Hybrid feedback switching control in a Buck converter. , 2008, , .		4
12	Adaptive Memristor-based PI Control of a DC/DC Converter Non-minimum Phase System. , 2018, , .		4
13	Exact feedback linearisation optimal control for single-inductor dual-output boost converter. IET Power Electronics, 2020, 13, 2293-2301.	2.1	4
14	Fuzzy self-tuning PID control of MC3 LLC resonant LED drivers. Journal of Power Electronics, 2021, 21, 782-791.	1.5	4
15	Inverse-System Decoupling Control of DC/DC Converters. Energies, 2019, 12, 179.	3.1	3
16	A method for calculating the Lyapunov exponent spectrum of DC-DC converter feeding with a switching constant power load. IEEE Transactions on Electrical and Electronic Engineering, 2020, 15, 1040-1047.	1.4	3
17	Discrete Modeling and Period-Adding Bifurcation of DC-DC Converter Feeding Constant Power Load. IEEE Access, 2021, 9, 52773-52783.	4.2	3
18	Model predictive control of double-input buck converters. Journal of Power Electronics, 2021, 21, 941-950.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Sigmoid Function Model and Dynamic Characteristics Analysis for Inductive Wireless Power Transmission Control System. IEEE Transactions on Industrial Electronics, 2022, 69, 11112-11120.	7.9	2
20	Inverse system optimal control of interleaved boost converters. Journal of Power Electronics, 2022, 22, 915-922.	1.5	2
21	Inverse Prediction of Sound Insulation to Each Member on Multi-element Partition. , 2012, , .		1
22	Synchronizing chaos in memristor based van der Pol oscillation circuits. , 2014, , .		1
23	Hybrid Modeling Method and Bifurcation Characteristics Analysis for Buck Converter with Constant Power Load. Mathematical Problems in Engineering, 2019, 2019, 1-10.	1.1	1
24	Inverse Sound Insulation Prediction to Double-Leaf Walls. , 2010, , .		0
25	Optimized Approach to Architecture Thermal Comfort in Hot Summer and Warm Winter Zone. Communications in Computer and Information Science, 2010, , 229-237.	0.5	0
26	Primary side control method for constant voltage/current output of series-none compensated inductive wireless transfer systems. Journal of Power Electronics, 0, , .	1.5	0