

Yimin Lu

List of Publications by Year in descending order

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26
papers

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citations

1307594

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26
all docs

26
docs citations

26
times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Inverse system optimal control of interleaved boost converters. Journal of Power Electronics, 2022, 22, 915-922.	1.5	2
4	Discrete Modeling and Period-Adding Bifurcation of DC-DC Converter Feeding Constant Power Load. IEEE Access, 2021, 9, 52773-52783.	4.2	3
5	Model predictive control of double-input buck converters. Journal of Power Electronics, 2021, 21, 941-950.	1.5	2
6	Fuzzy self-tuning PID control of MC3 LLC resonant LED drivers. Journal of Power Electronics, 2021, 21, 782-791.	1.5	4
7	Impedance Modeling and Stability Analysis of DFIG-Based Wind Energy Conversion System Considering Frequency Coupling. Energies, 2021, 14, 3243.	3.1	7
8	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
9	Sigmoid Function Model for a PFM Power Electronic Converter. IEEE Transactions on Power Electronics, 2020, 35, 4233-4241.	7.9	14
10	Exact feedback linearisation optimal control for single-inductor dual-output boost converter. IET Power Electronics, 2020, 13, 2293-2301.	2.1	4
11	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
12	Inverse-System Decoupling Control of DC/DC Converters. Energies, 2019, 12, 179.	3.1	3
13	Adaptive Backstepping Sliding Mode Control for Boost Converter With Constant Power Load. IEEE Access, 2019, 7, 50797-50807.	4.2	108
14	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
15	Parameters self-tuning PID controller circuit with memristors. International Journal of Circuit Theory and Applications, 2018, 46, 138-154.	2.0	11
16	Feedback Linearization Adaptive Control for a Buck Converter with Constant Power Loads. , 2018, , .		5
17	Adaptive Memristor-based PI Control of a DC/DC Converter Non-minimum Phase System. , 2018, , .		4
18	Synchronizing chaos in memristor based van der Pol oscillation circuits. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Memristor Based van der Pol Oscillation Circuit. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450154.	1.7	16
20	Inverse Prediction of Sound Insulation to Each Member on Multi-element Partition. , 2012, , .		1
21	Inverse Sound Insulation Prediction to Double-Leaf Walls. , 2010, , .		0
22	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
23	Hybrid feedback switching control in a Buck converter. , 2008, , .		4
24	Two Chaos-Based PWM Strategies for Suppression of Harmonics. , 2006, , .		5
25	Bifurcations and chaos in indirect field-oriented control of induction motors. Journal of Control Theory and Applications, 2004, 2, 353-357.	0.8	11
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