

Xukun Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5422915/publications.pdf>

Version: 2024-02-01

15
papers

148
citations

1307594

7
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the Meat Grinder Circuits for Railguns. IEEE Transactions on Plasma Science, 2017, 45, 1086-1094.	1.3	27
2	Performance Analysis and Parameter Optimization of CPPS-Based Electromagnetic Railgun System. IEEE Transactions on Plasma Science, 2016, 44, 281-288.	1.3	20
3	The Meat Grinder With SECT Circuit. IEEE Transactions on Plasma Science, 2017, 45, 1448-1452.	1.3	19
4	Analysis of the Capacitor-Aided Meat Grinder Circuits for an Inductive Pulsed Power Supply. IEEE Transactions on Plasma Science, 2017, 45, 1339-1346.	1.3	18
5	Inductance Calculation and Energy Density Optimization of the Tightly Coupled Inductors Used in Inductive Pulsed Power Supplies. IEEE Transactions on Plasma Science, 2017, 45, 1026-1031.	1.3	13
6	Overview of circuit topologies for inductive pulsed power supplies. CES Transactions on Electrical Machines and Systems, 2017, 1, 265-272.	3.5	11
7	The Meat Grinder With CPFLU: A Novel Circuit for Inductive Pulsed Power Supplies. IEEE Transactions on Plasma Science, 2017, 45, 2546-2551.	1.3	9
8	Design, Construction, and Testing of an 80-kJ and 2.4-MJ/m ³ Inductive Pulsed Power Module for Electromagnetic Launchers. IEEE Transactions on Plasma Science, 2020, 48, 285-290.	1.3	8
9	Parameter Analysis of the Energy Transfer Capacitor in the Meat Grinder With SECT Circuit. IEEE Transactions on Plasma Science, 2017, 45, 1239-1244.	1.3	6
10	Discussion on Minimum Precharged Voltage and Energy of the Counter-Current Capacitor in ICCOS. IEEE Transactions on Plasma Science, 2017, 45, 1347-1352.	1.3	5
11	Armature Velocity Control Strategy and System Efficiency Optimization of Railguns. IEEE Transactions on Plasma Science, 2018, 46, 3634-3639.	1.3	5
12	A Closed-Loop Velocity Control System for Electromagnetic Railguns. IEEE Transactions on Plasma Science, 2019, 47, 2269-2274.	1.3	4
13	A New Pulse-Compression Circuit With Residual Energy Recovered. , 2018, , .		2
14	Triggering strategy of railgun power supply for the accurate control of the armature muzzle velocity. , 2017, , .		1
15	An inductive-capacitive hybrid pulsed power supply for energy recovery. , 2017, , .		0