

Ling Dai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Numerical Calculation Model and Efficiency Analysis of Distributed-Energy-Store Railgun. IEEE Transactions on Plasma Science, 2022, 50, 3341-3350.	1.3	1
2	Effect of Geometric Parameters on Equivalent Load and Efficiency in Rectangular Bore Railgun. IEEE Transactions on Plasma Science, 2021, 49, 1428-1433.	1.3	5
3	Electrochemical competitive immunodetection of messenger RNA modified with N6-methyladenosine by using DNA-modified mesoporous PtCo nanospheres. Mikrochimica Acta, 2020, 187, 31.	5.0	22
4	Applying CRISPR-Cas12a as a Signal Amplifier to Construct Biosensors for Non-DNA Targets in Ultralow Concentrations. ACS Sensors, 2020, 5, 970-977.	7.8	117
5	Research on supersonic and subsonic vacuum arc simulation. , 2020, , .		0
6	Research on improving the anti disturbance ability of high frequency power supply. , 2020, , .		1
7	Fluorometric determination of microRNA by using an entropy-driven three-dimensional DNA walking machine based on a catalytic hairpin assembly reaction on polystyrene microspheres. Mikrochimica Acta, 2019, 186, 574.	5.0	16
8	Research on a sequentially fired 24MJ EML system. , 2016, , .		3
9	Research on transient junction temperature rise of pulse thyristor. , 2016, , .		4
10	A 16 MJ compact pulsed power system for electromagnetic launch. Review of Scientific Instruments, 2015, 86, 074703.	1.3	5
11	Influences of Electric Parameters of Pulsed Power Supply on Electromagnetic Railgun System. IEEE Transactions on Plasma Science, 2015, 43, 3260-3267.	1.3	15
12	Optimization of a Triggered Vacuum Switch With Multirod Electrodes System. IEEE Transactions on Plasma Science, 2014, 42, 162-167.	1.3	6
13	Lifetime Improvement of Metallized Film Capacitors by Inner Pressure Strengthening. IEEE Transactions on Plasma Science, 2013, 41, 3063-3068.	1.3	8
14	Effect of Sequence Discharge on Components in a 600-kJ PPS Used for Electromagnetic Launch System. IEEE Transactions on Plasma Science, 2013, 41, 1300-1306.	1.3	12
15	Research on Time Delay and Lifetime Characteristics of Triggered Vacuum Switch With Multirod System. IEEE Transactions on Plasma Science, 2013, 41, 1307-1312.	1.3	4
16	Optimization of a triggered vacuum switch with multi-rod electrodes system. , 2013, , .		0
17	Optimization of a triggered vacuum switch with multi-rod electrodes system. , 2013, , .		0
18	A 16MJ compact pulse power system for electromagnetic launch. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Research on time delay and lifetime characteristics of triggered vacuum switch with multi-rod system. , 2012, , .		0
20	Research on a miniaturized pulsed inductor applied in PPS. , 2012, , .		6
21	The lifetime of a high-current triggered vacuum switch with multi-gap. , 2012, , .		0
22	Effect of sequence discharge on components in a 600kJ PPS used for electromagnetic launch system. , 2012, , .		2
23	Operational characteristics of a surface breakdown triggered vacuum switch with six gap rod electrode system. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 997-1002.	2.9	12
24	Time Delay of a Triggered Vacuum Switch. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 2138-2142.	2.9	10
25	Development of a Compact 450-kJ Pulsed-Power-Supply System for Electromagnetic Launcher. IEEE Transactions on Plasma Science, 2011, 39, 304-309.	1.3	24
26	Time delay of a field-breakdown triggered vacuum switch with flat electrodes. Instruments and Experimental Techniques, 2011, 54, 803-807.	0.5	0
27	Investigation on harmonic of Power Conditioning System for Laser Nuclear Fusion. , 2010, , .		1
28	Study of temperature rise of metallized capacitors applied in repetitive pulse. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 1100-1105.	2.9	14
29	Research on Applications of TVS and Thyristor in a Pulsed Power Supply System used for EMG. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 979-984.	2.9	16
30	Calculation of Electric Field in Safety Film Capacitors. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 882-886.	2.9	12
31	Positive association of the FTSJ1 gene polymorphisms with nonsyndromic X-linked mental retardation in young Chinese male subjects. Journal of Human Genetics, 2008, 53, 592-597.	2.3	16
32	Study on Triggering Characteristics of High Current Triggered Vacuum Switches. , 2008, , .		0
33	Setup of a 500kJ Compact Pulse Forming Network used for EMG Investigation. , 2008, , .		3
34	Calculation of Metallized Capacitor's Inner Pressure Intensity and its Influence on the Self-Healing Characteristics. , 2007, , .		0
35	Study on uncoupling characteristics of foil wire in metallized capacitors. , 2007, , .		0
36	Calculation of metallized capacitor’s inner pressure intensity and its influence on the self-healing characteristics. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	Electrical characteristics of high energy density multilayer ceramic capacitor for pulse power application. IEEE Transactions on Magnetics, 2005, 41, 281-284.	2.1	30
38	Electrical characteristics of high energy density MLC for pulse power application. , 0, , .		1