

Ling Dai

List of Publications by Year in descending order

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38
papers

367
citations

759233

12
h-index

794594

19
g-index

39
all docs

39
docs citations

39
times ranked

407
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying CRISPR-Cas12a as a Signal Amplifier to Construct Biosensors for Non-DNA Targets in Ultralow Concentrations. <i>ACS Sensors</i> , 2020, 5, 970-977.	7.8	117
2	Electrical characteristics of high energy density multilayer ceramic capacitor for pulse power application. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 281-284.	2.1	30
3	Development of a Compact 450-kJ Pulsed-Power-Supply System for Electromagnetic Launcher. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 304-309.	1.3	24
4	Electrochemical competitive immunodetection of messenger RNA modified with N6-methyladenosine by using DNA-modified mesoporous PtCo nanospheres. <i>Mikrochimica Acta</i> , 2020, 187, 31.	5.0	22
5	Positive association of the FTSJ1 gene polymorphisms with nonsyndromic X-linked mental retardation in young Chinese male subjects. <i>Journal of Human Genetics</i> , 2008, 53, 592-597.	2.3	16
6	Research on Applications of TVS and Thyristor in a Pulsed Power Supply System used for EMG. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2009, 16, 979-984.	2.9	16
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. <i>Mikrochimica Acta</i> , 2019, 186, 574.	5.0	16
8	Influences of Electric Parameters of Pulsed Power Supply on Electromagnetic Railgun System. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 3260-3267.	1.3	15
9	Study of temperature rise of metallized capacitors applied in repetitive pulse. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2009, 16, 1100-1105.	2.9	14
10	Calculation of Electric Field in Safety Film Capacitors. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2009, 16, 882-886.	2.9	12
11	Operational characteristics of a surface breakdown triggered vacuum switch with six gap rod electrode system. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011, 18, 997-1002.	2.9	12
12	Effect of Sequence Discharge on Components in a 600-kJ PPS Used for Electromagnetic Launch System. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 1300-1306.	1.3	12
13	Time Delay of a Triggered Vacuum Switch. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011, 18, 2138-2142.	2.9	10
14	Lifetime Improvement of Metallized Film Capacitors by Inner Pressure Strengthening. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 3063-3068.	1.3	8
15	Research on a miniaturized pulsed inductor applied in PPS. , 2012, , .		6
16	Optimization of a Triggered Vacuum Switch With Multirod Electrodes System. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 162-167.	1.3	6
17	A 16 MJ compact pulsed power system for electromagnetic launch. <i>Review of Scientific Instruments</i> , 2015, 86, 074703.	1.3	5
18	Effect of Geometric Parameters on Equivalent Load and Efficiency in Rectangular Bore Railgun. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 1428-1433.	1.3	5

#	ARTICLE	IF	CITATIONS
19	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
20	Research on transient junction temperature rise of pulse thyristor. , 2016, , .		4
21	Setup of a 500kJ Compact Pulse Forming Network used for EMG Investigation. , 2008, , .		3
22	Research on a sequentially fired 24MJ EML system. , 2016, , .		3
23	Effect of sequence discharge on components in a 600kJ PPS used for electromagnetic launch system. , 2012, , .		2
24	Electrical characteristics of high energy density MLC for pulse power application. , 0, , .		1
25	Investigation on harmonic of Power Conditioning System for Laser Nuclear Fusion. , 2010, , .		1
26	Research on improving the anti disturbance ability of high frequency power supply. , 2020, , .		1
27	Numerical Calculation Model and Efficiency Analysis of Distributed-Energy-Store Railgun. IEEE Transactions on Plasma Science, 2022, 50, 3341-3350.	1.3	1
28	Calculation of Metallized Capacitor's Inner Pressure Intensity and its Influence on the Self-Healing Characteristics. , 2007, , .		0
29	Study on uncoupling characteristics of foil wire in metallized capacitors. , 2007, , .		0
30	Calculation of metallized capacitor’s inner pressure intensity and its influence on the self-healing characteristics. , 2007, , .		0
31	Study on Triggering Characteristics of High Current Triggered Vacuum Switches. , 2008, , .		0
32	Time delay of a field-breakdown triggered vacuum switch with flat electrodes. Instruments and Experimental Techniques, 2011, 54, 803-807.	0.5	0
33	Research on time delay and lifetime characteristics of triggered vacuum switch with multi-rod system. , 2012, , .		0
34	The lifetime of a high-current triggered vacuum switch with multi-gap. , 2012, , .		0
35	Optimization of a triggered vacuum switc H with multi-rod electrodes system. , 2013, , .		0
36	Optimization of a triggered vacuum switch with multi-rod electrodes system. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	A 16MJ compact pulse power system for electromagnetic launch. , 2013, , .		0
38	Research on supersonic and subsonic vacuum arc simulation. , 2020, , .		0