

Si-Wei Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/986245/publications.pdf>

Version: 2024-02-01

27
papers

250
citations

933447

10
h-index

940533

16
g-index

27
all docs

27
docs citations

27
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of cavities characteristics of underwater pulsed current discharge. Plasma Sources Science and Technology, 2021, 30, 085005.	3.1	6
2	Improved one-dimensional "piston" model of electrohydraulic shock wave based on discharge current interception. Journal of Applied Physics, 2021, 130, 093301.	2.5	0
3	Influence of conductivities on electrical breakdown of water under microsecond pulsed voltage. Physics of Plasmas, 2020, 27, 063512.	1.9	8
4	Determination of the Discharge Coefficient in Improved Empirical Impedance Model of Plasma Channel for Underwater Spark Discharge. IEEE Transactions on Plasma Science, 2020, 48, 196-203.	1.3	7
5	Comparison and analysis of shockwave characteristics between underwater pulsed discharge and metal wire explosion. Physics of Plasmas, 2020, 27, 033503.	1.9	18
6	Analysis of shock wave induced by underwater pulsed discharge using discharge current interception. Journal of Applied Physics, 2020, 127, 143301.	2.5	14
7	A method for reducing errors of magnetization modeling of nanocrystalline alloy cores based on modified Jiles-Atherton model. Journal of Applied Physics, 2019, 125, .	2.5	5
8	Influence of plasma channel impedance model on electrohydraulic shockwave simulation. Physics of Plasmas, 2019, 26, .	1.9	20
9	Simulation of the magnetization process of a gapped magnetic core based on the Jiles" Atherton model. Review of Scientific Instruments, 2019, 90, 024705.	1.3	4
10	Characteristic analysis of plasma channel and shock wave in electrohydraulic pulsed discharge. Physics of Plasmas, 2019, 26, .	1.9	18
11	Enhanced Oil Recovery by Repetitive Electrohydraulic Shock Waves: Fracturing and Enhanced-Permeability. , 2018, , .		0
12	Application of Jiles-Atherton model in description of temperature characteristics of magnetic core. Review of Scientific Instruments, 2018, 89, 104702.	1.3	10
13	Effect of electrical breakdown modes on shock wave intensity in water. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 1679-1687.	2.9	10
14	Influence of Electrohydraulic Discharge on Its Application in Oil Well Stimulation. , 2018, , .		1
15	Modeling analysis of pulsed magnetization process of magnetic core based on inverse Jiles-Atherton model. Review of Scientific Instruments, 2018, 89, 054701.	1.3	9
16	Intensity improvement of shock waves induced by liquid electrical discharges. Physics of Plasmas, 2017, 24, .	1.9	29
17	Underwater positive streamer propagation with different insulation modes. , 2017, , .		0
18	Polarity effect variation on electrical breakdown of water under sub-millisecond pulses. Applied Physics Letters, 2017, 111, .	3.3	11

#	ARTICLE	IF	CITATIONS
19	Effect of electrical breakdown discharge modes on shock wave intensity in water. , 2017, , .		5
20	Study on underwater subsonic electrical discharges: Streamer morphology and development. , 2017, , .		0
21	Influence of voltage polarity on intensity of shock waves induced by underwater pulse discharges. , 2017, , .		1
22	Influence of deposited energy on shock wave induced by underwater pulsed current discharge. Physics of Plasmas, 2016, 23, .	1.9	25
23	Diagnosis of transformer winding faults based on FEM simulation and on-site experiments. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3752-3760.	2.9	31
24	General diagnosis of transformer winding axial displacement faults based on FEM simulation and on-site experiments. , 2016, , .		1
25	Optimization Design of a Repetitive Nanosecond Pulse Generator Based on Saturable Pulse Transformer and Magnetic Switch. IEEE Transactions on Plasma Science, 2015, 43, 3277-3285.	1.3	7
26	Pulse Magnetic Properties Measurement and Characterization of Fe-Based Nanocrystalline Cores for High-Voltage Pulse Magnetics Applications. IEEE Transactions on Power Electronics, 2015, 30, 6883-6896.	7.9	8
27	Loss and permeability characterization of Fe-based nanocrystalline cores for pulsed power magnetic applications. , 2014, , .		2