

Weiping Xie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6344106/publications.pdf>

Version: 2024-02-01

18
papers

181
citations

1478505

6
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

170
citing authors

#	ARTICLE	IF	CITATIONS
1	30 kV and 3kA semi-insulating GaAs photoconductive semiconductor switch. Applied Physics Letters, 2008, 92, .	3.3	51
2	From concept to reality – A review to the primary test stand and its preliminary application in high energy density physics. Matter and Radiation at Extremes, 2016, 1, 48-58.	3.9	47
3	Discharged Energy Properties of SrO ₂ PbO ₂ Na ₂ O ₂ Nb ₂ O ₅ SiO ₂ Glass-Ceramics with Different Crystallization Time. Journal of the American Ceramic Society, 2015, 98, 366-369.		22
4	Current Transmission Efficiency for Conical Magnetically Insulated Transmission Line on a 1.0-MV Linear Transformer Driver System. IEEE Transactions on Plasma Science, 2015, 43, 2663-2669.	1.3	14
5	Design of a 1-MV induction cavity and validation of the two-dimensional circuit model. Physical Review Accelerators and Beams, 2019, 22, .	1.6	7
6	Breakdown Characteristics of Ferroelectric Glass-Ceramic Dielectric for Pulsed Power Applications. IEEE Transactions on Plasma Science, 2017, 45, 698-701.	1.3	6
7	Frequency Response Properties of the B-Dot Sensors Employed on a High Current Pulsed Power Facility. IEEE Sensors Journal, 2021, 21, 17732-17737.	4.7	6
8	Magneto-Rayleigh–Taylor instability driven by a rotating magnetic field. Physics of Plasmas, 2018, 25, .	1.9	5
9	Design and performance of a pulsed power-driven x-ray source for flash radiography. Physical Review Accelerators and Beams, 2021, 24, .	1.6	5
10	Coaxial–Conical Transition in Magnetically Insulated Transmission Line. IEEE Transactions on Plasma Science, 2018, 46, 1913-1920.	1.3	4
11	Determination of Magnetically Insulated Transmission Line Cathode Current of a 1.0-MV Pulsed Power Generator. IEEE Sensors Journal, 2019, 19, 3408-3414.	4.7	3
12	Replacement of Marx Generator by Tesla Transformer for Pulsed Power System Reliability Improvement. IEEE Transactions on Plasma Science, 2019, 47, 574-580.	1.3	3
13	Investigation of surface evolution for stainless steel electrode under pulsed megagauss magnetic field. Physics of Plasmas, 2018, 25, 022120.	1.9	2
14	Study on eccentricity effects of the rod-pinch diode radiography source. Review of Scientific Instruments, 2019, 90, 023304.	1.3	2
15	A novel broadband capacitor voltage divider for measurement of ultrafast square high voltage pulse transmitted in transmission line. AIP Advances, 2020, 10, 045035.	1.3	2
16	Subcutaneous Low-Density Foreign Bodies Detection via Grating-Based Multimodal X-ray Imaging. Journal of Digital Imaging, 2022, 35, 365.	2.9	2
17	A scintillator-based soft X-ray streak camera system for Z-pinch experiments on the Primary Test Stand. Review of Scientific Instruments, 2019, 90, 073703.	1.3	0
18	Reweighted L1-norm regularized phase retrieval for x-ray differential phase contrast radiograph. Review of Scientific Instruments, 2022, 93, 043706.	1.3	0