

Jinshou Tian

List of Publications by Year in descending order

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25
papers

101
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1478505

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1474206

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25
all docs

25
docs citations

25
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	The Gain and Time Characteristics of Microchannel Plates in Various Channel Geometries. IEEE Transactions on Nuclear Science, 2017, 64, 1080-1086.	2.0	18
2	A compact large-format streak tube for imaging lidar. Review of Scientific Instruments, 2018, 89, 045113.	1.3	10
3	Simulation of the effects of coated material SEY property on output electron energy distribution and gain of microchannel plates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 840, 133-138.	1.6	8
4	Ultrafast formation of a transient two-dimensional diamondlike structure in twisted bilayer graphene. Physical Review B, 2020, 102, .	3.2	8
5	Small-size streak tube with high edge spatial resolution. Optik, 2021, 242, 166791.	2.9	8
6	Ultrafast all-optical imaging technique using low-temperature grown GaAs/Al Ga ¹ As multiple-quantum-well semiconductor. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3594-3598.	2.1	7
7	A MOSFET-based high voltage nanosecond pulse module for the gating of proximity-focused microchannel plate image-intensifier. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 987, 164799.	1.6	6
8	Optimization design of a 20-in. elliptical MCP-PMT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 841, 104-108.	1.6	5
9	Design of the large area MCP-PMT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 163-166.	1.6	5
10	Effect of annealing on the electrophysical properties of CdTe/HgCdTe passivation interface by the capacitance-voltage characteristics of the metal-insulator-semiconductor structures. AIP Advances, 2020, 10, .	1.3	5
11	A New Design of Large-format Streak Tube with Single-lens Focusing System. Measurement Science Review, 2021, 21, 191-196.	1.0	5
12	Electron optics design of an 8-in. spherical MCP-PMT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 848, 1-8.	1.6	3
13	A four-channel ICCD framing camera with nanosecond temporal resolution and high spatial resolution. Journal of Modern Optics, 2021, 68, 661-669.	1.3	3
14	One-shot x-ray detection based on the instantaneous change in the refractive index of GaAs. AIP Advances, 2020, 10, 045024.	1.3	2
15	Numerical Simulation Study on Gain Nonlinearity of Microchannel Plate in Photomultiplier Tube. IEEE Transactions on Nuclear Science, 2021, 68, 2711-2716.	2.0	2
16	Numerical study and improvement of the dynamic performance of dilation x-ray imager. Review of Scientific Instruments, 2021, 92, 123305.	1.3	2
17	Numerical investigation of radiation ablation and acceleration of high-density carbon foils. Laser and Particle Beams, 2020, 38, 239-243.	1.0	1
18	Performance of a visible light photon counting imaging detector for weak light intensities. Journal of Modern Optics, 2021, 68, 1019-1025.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Numerical Simulation on Magnetic Field Tolerance of MCP-PMTs. IEEE Transactions on Nuclear Science, 2022, 69, 850-857.	2.0	1
20	Theoretical and Experimental Research on Spatial Performances of the Long-slit Streak Tube. Measurement Science Review, 2022, 22, 58-64.	1.0	1
21	Depth profiling of the refractive index from probe beam deflections induced by a serrated pump illumination on GaAs. Journal of Modern Optics, 2017, 64, 431-438.	1.3	0
22	Peregrine combs and rogue waves on a bright soliton background. Optik, 2021, 227, 165455.	2.9	0
23	THE AGING BEHAVES AND THE SMALL BATCH TEST OF THE 20 ⁱⁿ MCP-PMTs. , 2019, , .		0
24	Study on the transit time spread characteristic of 20-in. hybrid photomultiplier tube used for high-energy particle detection. AIP Advances, 2022, 12, 045103.	1.3	0
25	Simulation of the impact of using a novel neutron conversion screen on detector time characteristics and efficiency. AIP Advances, 2022, 12, 045206.	1.3	0