

Kai He

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

81
citations

1937685
4
h-index

1474206
9
g-index

13
all docs

13
docs citations

13
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast all-optical solid-state framing camera with picosecond temporal resolution. Optics Express, 2017, 25, 8721.	3.4	34
2	High-spectral-resolution characterization of broadband high-efficiency reflection gratings. Applied Optics, 2013, 52, 653.	1.8	21
3	Near-field optical properties of wide bandwidth metal multi-layer dielectric gratings for pulse compressor. Applied Physics B: Lasers and Optics, 2014, 114, 557-565.	2.2	8
4	Effect of surface fields on the dynamic resistance of planar HgCdTe mid-wavelength infrared photodiodes. Journal of Applied Physics, 2015, 117, .	2.5	6
5	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
6	Reconstruction of compressed video via non-convex minimization. AIP Advances, 2020, 10, 115207.	1.3	2
7	One-shot x-ray detection based on the instantaneous change in the refractive index of GaAs. AIP Advances, 2020, 10, 045024.	1.3	2
8	Numerical investigation of radiation ablation and acceleration of high-density carbon foils. Laser and Particle Beams, 2020, 38, 239-243.	1.0	1
9	Numerical Simulation on Magnetic Field Tolerance of MCP-PMTs. IEEE Transactions on Nuclear Science, 2022, 69, 850-857.	2.0	1
10	Signal recovery of a Fabry-Pérot interferometric x-ray pulse detector based on the RadOptic effect. Journal of Applied Physics, 2022, 131, 064501.	2.5	1
11	A novel bowl-shaped microchannel plate with high electron collection efficiency and good time performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 534-536.	1.6	0
12	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
13	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