

# Kai He

## List of Publications by Year in descending order

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13  
papers

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1937685  
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1474206  
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13  
all docs

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docs citations

13  
times ranked

70  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Simulation on Magnetic Field Tolerance of MCP-PMTs. IEEE Transactions on Nuclear Science, 2022, 69, 850-857.	2.0	1
2	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
3	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
4	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
5	Reconstruction of compressed video via non-convex minimization. AIP Advances, 2020, 10, 115207.	1.3	2
6	One-shot x-ray detection based on the instantaneous change in the refractive index of GaAs. AIP Advances, 2020, 10, 045024.	1.3	2
7	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
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	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
10	Ultrafast all-optical solid-state framing camera with picosecond temporal resolution. Optics Express, 2017, 25, 8721.	3.4	34
11	Effect of surface fields on the dynamic resistance of planar HgCdTe mid-wavelength infrared photodiodes. Journal of Applied Physics, 2015, 117, .	2.5	6
12	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
13	High-spectral-resolution characterization of broadband high-efficiency reflection gratings. Applied Optics, 2013, 52, 653.	1.8	21