

Mark D Hammig

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

314
citations

1040056

9
h-index

996975

15
g-index

26
all docs

26
docs citations

26
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	High Strength Conductive Composites with Plasmonic Nanoparticles Aligned on Aramid Nanofibers. <i>Advanced Functional Materials</i> , 2016, 26, 8435-8445.	14.9	115
2	Stretchable conductors by kirigami patterning of aramid-silver nanocomposites with zero conductance gradient. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	39
3	Scalable gamma-ray camera for wide-area search based on silicon photomultipliers array. <i>Review of Scientific Instruments</i> , 2018, 89, 033106.	1.3	26
4	Structural Analysis of Nanoscale Network Materials Using Graph Theory. <i>ACS Nano</i> , 2021, 15, 12847-12859.	14.6	21
5	Compensation of the detector capacitance presented to charge-sensitive preamplifiers using the Miller effect. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 784, 220-225.	1.6	16
6	An Investigation of Nanocrystalline Semiconductor Assemblies as a Material Basis for Ionizing-Radiation Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 841-848.	2.0	13
7	A High-Gain 1.75-GHz Dual-Inductor Transimpedance Amplifier With Gate Noise Suppression for Fast Radiation Detection. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016, 63, 356-360.	3.0	13
8	Experimental Validation of Charge-Sensitive Amplifier Configuration that Compensates for Detector Capacitance. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 1202-1208.	2.0	11
9	High-Energy Photon Spectroscopy Using All Solution-Processed Heterojunctioned Surface-Modified Perovskite Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33399-33408.	8.0	10
10	Suppression of Interface-Induced Noise by the Control of Electron-Phonon Interactions. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 2831-2839.	2.0	8
11	Spanning Network Gels from Nanoparticles and Graph Theoretical Analysis of Their Structure and Properties. <i>Advanced Materials</i> , 2022, 34, e2201313.	21.0	7
12	Compact lightweight imager of both gamma rays and neutrons based on a pixelated stilbene scintillator coupled to a silicon photomultiplier array. <i>Scientific Reports</i> , 2021, 11, 3826.	3.3	5
13	Position sensing with non-uniform electrode designs on high-resistivity silicon. , 2006, , .		4
14	Optimization of the position resolution in semiconductor detectors. , 2007, , .		4
15	Development of lead chalcogenide nanocrystalline (NC) semiconductor ionizing radiation detectors. , 2009, , .		4
16	An investigation of single-crystal PbTe for nuclear radiation detector applications. , 2011, , .		4
17	PbSe Quantum Dots for X-ray and \hat{I}^3 -Ray Sensors. <i>ACS Applied Nano Materials</i> , 2021, 4, 6936-6946.	5.0	4
18	Measurements of the Degree of Comprehensive Cooling in Stochastically Quenched Microstructures. <i>IEEE Sensors Journal</i> , 2007, 7, 352-360.	4.7	2

#	ARTICLE	IF	CITATIONS
19	Defeating IEDs, SNM and contraband secreting via long range gamma-ray imaging of neutron interrogated materials. , 2009, , .		2
20	Statistical methods for the chemical compound identification from neutron-induced gamma-ray spectra. , 2009, , .		2
21	Development of a depth and angular-sensitive gamma-camera for imaging neutron-interrogated materials. , 2006, , .		1
22	Simulated nuclear radiation responses derived from nanocrystalline semiconductor assemblies. , 2011, , .		1
23	Suppression of interface-induced noise by the control of electron-phonon interactions. , 2012, , .		1
24	Microstrip Transmission-Line Electrodes for Position Sensitive Radiation Detection. IEEE Transactions on Nuclear Science, 2014, 61, 3682-3689.	2.0	0
25	Passive Gamma-Ray Detection With Compact Lightweight Imager for Nuclear Safeguards. IEEE Transactions on Nuclear Science, 2022, 69, 1336-1343.	2.0	0