

# Mark D Hammig

## List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Passive Gamma-Ray Detection With Compact Lightweight Imager for Nuclear Safeguards. IEEE Transactions on Nuclear Science, 2022, 69, 1336-1343.	2.0	0
2	Spanning Network Gels from Nanoparticles and Graph Theoretical Analysis of Their Structure and Properties. Advanced Materials, 2022, 34, e2201313.	21.0	7
3	Compact lightweight imager of both gamma rays and neutrons based on a pixelated stilbene scintillator coupled to a silicon photomultiplier array. Scientific Reports, 2021, 11, 3826.	3.3	5
4	Structural Analysis of Nanoscale Network Materials Using Graph Theory. ACS Nano, 2021, 15, 12847-12859.	14.6	21
5	PbSe Quantum Dots for X-ray and $\hat{I}^3$ -Ray Sensors. ACS Applied Nano Materials, 2021, 4, 6936-6946.	5.0	4
6	High-Energy Photon Spectroscopy Using All Solution-Processed Heterojunctioned Surface-Modified Perovskite Single Crystals. ACS Applied Materials & Interfaces, 2019, 11, 33399-33408.	8.0	10
7	Scalable gamma-ray camera for wide-area search based on silicon photomultipliers array. Review of Scientific Instruments, 2018, 89, 033106.	1.3	26
8	Stretchable conductors by kirigami patterning of aramid-silver nanocomposites with zero conductance gradient. Applied Physics Letters, 2017, 111, .	3.3	39
9	High Strength Conductive Composites with Plasmonic Nanoparticles Aligned on Aramid Nanofibers. Advanced Functional Materials, 2016, 26, 8435-8445.	14.9	115
10	Experimental Validation of Charge-Sensitive Amplifier Configuration that Compensates for $\hat{A}$ Detector Capacitance. IEEE Transactions on Nuclear Science, 2016, 63, 1202-1208.	2.0	11
11	A High-Gain 1.75-GHz Dual-Inductor Transimpedance Amplifier With Gate Noise Suppression for Fast Radiation Detection. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 356-360.	3.0	13
12	Compensation of the detector capacitance presented to charge-sensitive preamplifiers using the Miller effect. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 220-225.	1.6	16
13	Microstrip Transmission-Line Electrodes for Position Sensitive Radiation Detection. IEEE Transactions on Nuclear Science, 2014, 61, 3682-3689.	2.0	0
14	Suppression of Interface-Induced Noise by the Control of Electron-Phonon Interactions. IEEE Transactions on Nuclear Science, 2013, 60, 2831-2839.	2.0	8
15	Suppression of interface-induced noise by the control of electron-phonon interactions. , 2012, , .		1
16	Simulated nuclear radiation responses derived from nanocrystalline semiconductor assemblies. , 2011, , .		1
17	An investigation of single-crystal PbTe for nuclear radiation detector applications. , 2011, , .		4
18	Defeating IEDs, SNM and contraband secreting via long range gamma-ray imaging of neutron interrogated materials. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
19	Statistical methods for the chemical compound identification from neutron-induced gamma-ray spectra. , 2009, , .		2
20	An Investigation of Nanocrystalline Semiconductor Assemblies as a Material Basis for Ionizing-Radiation Detectors. IEEE Transactions on Nuclear Science, 2009, 56, 841-848.	2.0	13
21	Development of lead chalcogenide nanocrystalline (NC) semiconductor ionizing radiation detectors. , 2009, , .		4
22	Measurements of the Degree of Comprehensive Cooling in Stochastically Quenched Microstructures. IEEE Sensors Journal, 2007, 7, 352-360.	4.7	2
23	Optimization of the position resolution in semiconductor detectors. , 2007, , .		4
24	Position sensing with non-uniform electrode designs on high-resistivity silicon. , 2006, , .		4
25	Development of a depth and angular-sensitive gamma-camera for imaging neutron-interrogated materials. , 2006, , .		1