# Zhong He

List of Publications by Year
in descending order

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|---|---|---|---|
| 157 papers | 2,311 citations | 331259 21 h-index | 253896 43 g-index |
| 158 all docs | 158 docs citations | 158 times ranked | 1307 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Region of Interest Image Reconstruction for Compton Imaging Using 3-D Position Sensing CdZnTe. IEEE Transactions on Nuclear Science, 2022, 69, 965-975. | 1.2 | 0 |
| 2 | Subpixel Sensing for Charge-Sharing Events in Pixelated CdZnTe Detectors. IEEE Transactions on Nuclear Science, 2022, 69, 1385-1388. | 1.2 | 0 |
| 3 | CsPbBr3 perovskite detectors with 1.4% energy resolution for high-energy Î³-rays. Nature Photonics, 2021, 15, 36-42. | 15.6 | 210 |
| 4 | CramÃ©r-Rao Bound Evaluations of Compton Imager Designs for Proton Beam Range Verification. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, , 1-1. | 2.7 | 0 |
| 5 | Performance of Larger-Volume 40 Ã— 40 Ã— 10- and 40 Ã— 40 Ã— 15-mmÂ³ CdZnTe Detectors. IEEE Transactions on Nuclear Science, 2021, 68, 250-255. | 1.2 | 10 |
| 6 | Filtered Backprojection in Compton Imaging Using a Spherical Harmonic Wiener Filter With Pixelated CdZnTe. IEEE Transactions on Nuclear Science, 2021, 68, 211-219. | 1.2 | 2 |
| 7 | Gamma-ray tracking for high energy gamma-ray imaging in pixelated CdZnTe. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161443. | 0.7 | 9 |
| 8 | FRAM v5.2 estimation of plutonium and uranium isotopics using digitized 3-D position-sensitive CdZnTe detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161339. | 0.7 | 3 |
| 9 | Efficient temperature corrections for gamma-ray energy reconstruction in 3-D position-sensitive CdZnTe detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161340. | 0.7 | 5 |
| 10 | Time-Encoded Gamma-Ray Imaging Using a 3-D Position-Sensitive CdZnTe Detector Array. IEEE Transactions on Nuclear Science, 2020, 67, 464-472. | 1.2 | 4 |
| 11 | Intrinsic photopeak efficiency measurement and simulation for pixelated CdZnTe detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 980, 164501. | 0.7 | 14 |
| 12 | Artifacts in High-Energy Compton Imaging With 3-D Position-Sensitive CdZnTe. IEEE Transactions on Nuclear Science, 2020, 67, 1920-1928. | 1.2 | 7 |
| 13 | Thallium Bromide Gamma-Ray Spectrometers and Pixel Arrays. Frontiers in Physics, 2020, 8, . | 1.0 | 15 |
| 14 | Computational model for detector timing effects in Compton-camera based prompt-gamma imaging for proton radiotherapy. Physics in Medicine and Biology, 2020, 65, 125004. | 1.6 | 14 |
| 15 | Point Spread Function Model of 3-Interaction Events for Super-MeV Compton Imaging Using Pixelated CdZnTe. , 2020, , . | | 1 |
| 16 | Qualitative measurement of spatial shielding isotopics via Compton imaging neutron-induced gamma rays using 3-D CdZnTe detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 935, 214-221. | 0.7 | 2 |
| 17 | 192Ir Source Localization via Gamma Ray Skyshine using Large Volume Pixelated CdZnTe. , 2019, , . | | 0 |
| 18 | Identification of Intervening Materials in Gamma-Ray Spectroscopy Measurements Using Angularly Deconvolved Spectra With Multiple Sources in the Field of View. IEEE Transactions on Nuclear Science, 2018, 65, 924-931. | 1.2 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Accurate Determination of the Ionization Energy in Pixelated TlBr Correcting for Charge Collection Efficiency. IEEE Transactions on Nuclear Science, 2018, 65, 950-954. | 1.2 | 4 |
| 20 | Analysis of High-Energy Tailing in TlBr Detectors. IEEE Transactions on Nuclear Science, 2018, 65, 955-960. | 1.2 | 3 |
| 21 | Measurement of Electron Mobility-Lifetime Product in 3-D Position-Sensitive CdZnTe Detectors Using the VAD_UMv2.2 Digital Readout System. IEEE Transactions on Nuclear Science, 2018, 65, 2834-2837. | 1.2 | 5 |
| 22 | Coded-Aperture Imaging with High-Resolution Large-Volume CZT. , 2018, , . | | 3 |
| 23 | High Resolution Time-Encoded Imaging of Plutonium and MOX using 3-D Position-Sensitive CdZnTe Detectors. , 2018, , . | | 0 |
| 24 | Development of large-volume high-performance monolithic CZT radiation detector. , 2018, , . | | 12 |
| 25 | Fast Neutron Detection Using Pixelated CdZnTe Spectrometers. IEEE Transactions on Nuclear Science, 2017, 64, 1920-1926. | 1.2 | 7 |
| 26 | 1-D Fast Neutron Source Localization Using Digital Pixelated 3-D Position-Sensitive CdZnTe Detectors. IEEE Transactions on Nuclear Science, 2017, 64, 2531-2535. | 1.2 | 5 |
| 27 | 3D Compton Imaging by Use of Stereophotogrammetry and Pixelated CdZnTe. , 2017, , . | | 0 |
| 28 | Evaluation of Compton Imaging Efficiency Degradation Factors in Large Volume, Pixelated CdZnTe Sensors. , 2017, , . | | 1 |
| 29 | Angular Detection and Shielding Characterization of Simulated 235U Using Time Encoded Imaging and 3D Position Sensitive CdZnTe Detectors. , 2017, , . | | 2 |
| 30 | Comparison of a large area CZT detector to a spectroscopic CdTe detector for X-ray fluorescence computed tomography. , 2016, , . | | 2 |
| 31 | Recent results from pixelated TlBr detectors with Tl electrodes operated at room-temperature. , 2016, , . | | 0 |
| 32 | A Method to Estimate the Atomic Number and Mass Thickness of Intervening Materials in Uranium and Plutonium Gamma-Ray Spectroscopy Measurements. IEEE Transactions on Nuclear Science, 2016, 63, 2639-2648. | 1.2 | 9 |
| 33 | Unbiased Filtered Back-Projection in $4pi$ Compton Imaging With 3D Position Sensitive Detectors. IEEE Transactions on Nuclear Science, 2016, 63, 2750-2756. | 1.2 | 6 |
| 34 | Special Nuclear Material Characterization Using Digital 3-D Position Sensitive CdZnTe Detectors and High Purity Germanium Spectrometers. IEEE Transactions on Nuclear Science, 2016, 63, 2649-2656. | 1.2 | 20 |
| 35 | A Correction Factor to the Two-Bias Method for Determining Mobility-Lifetime Products in Pixelated Detectors. IEEE Transactions on Nuclear Science, 2016, 63, 1832-1838. | 1.2 | 7 |
| 36 | Digital signal processing in TlBr detectors: Accounting for the motion of holes. , 2015, , . | | 0 |

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| 37 | Improvements in room temperature lifetime of pixelated TlBr detectors from surface etching. , 2015, , . | | 2 |
| 38 | CdZnTe gamma-ray spectroscopy in high flux environments using digital pulse processing techniques. , 2015, , . | | 2 |
| 39 | Application of Chambolle-Pock algorithm on penalized gamma-ray energy-imaging integrated deconvolution. , 2015, , . | | 0 |
| 40 | Quantification of the Conditioning Phase in Cooled Pixelated TlBr Detectors. IEEE Transactions on Nuclear Science, 2015, 62, 1785-1790. | 1.2 | 6 |
| 41 | The Polaris-H imaging spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 377-381. | 0.7 | 119 |
| 42 | Quantitative Investigation of Room-Temperature Breakdown Effects in Pixelated TlBr Detectors. IEEE Transactions on Nuclear Science, 2014, 61, 2573-2578. | 1.2 | 8 |
| 43 | Signal modeling of charge sharing effect in simple pixelated CdZnTe detector. Journal of the Korean Physical Society, 2014, 64, 1336-1345. | 0.3 | 10 |
| 44 | Characterization of a digital ASIC readout system for 11Ã—11 pixelated TlBr detectors. , 2014, , . | | 1 |
| 45 | New nonlinearity calibration method for 3-D position-sensitive CdZnTe detectors. , 2014, , . | | 2 |
| 46 | Study of Long-Term CdZnTe Stability Using the Polaris System. IEEE Transactions on Nuclear Science, 2013, 60, 1086-1093. | 1.2 | 4 |
| 47 | Transient Behavior in TlBr Gamma-Ray Detectors and Its Analysis Using 3-D Position Sensing. IEEE Transactions on Nuclear Science, 2013, 60, 1162-1167. | 1.2 | 13 |
| 48 | Improvement of Sub-Pixel Position Sensing in Nonuniform Large-Volume Pixelated CdZnTe Crystals. IEEE Transactions on Nuclear Science, 2013, 60, 1201-1207. | 1.2 | 6 |
| 49 | Identification and Reconstruction of Single-Pixel Incomplete Charge Collection Events. IEEE Transactions on Nuclear Science, 2013, 60, 1243-1247. | 1.2 | 2 |
| 50 | Model-Based Reconstruction of Spectral and Spatial Source Distribution for Objects With Known Motion. IEEE Transactions on Nuclear Science, 2013, 60, 3981-3989. | 1.2 | 0 |
| 51 | Source Detection Performance Prediction for a CdZnTe Array. IEEE Transactions on Nuclear Science, 2013, 60, 204-212. | 1.2 | 1 |
| 52 | Low background measurements using 3-D position-sensitive CdZnTe detectors. , 2013, , . | | 0 |
| 53 | Performance comparison of steering-grid and simple-pixel CdZnTe detectors. , 2013, , . | | 0 |
| 54 | Performance of 20×20×5 mm<sup>3</sup> pixelated Cadmium Zinc Telluride semiconductor detectors from various anode fabrication techniques. , 2013, , . | | 0 |

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| 55 | Low electronic noise digital ASIC array system and its non-linearity. , 2013, , . | | 2 |
| 56 | Performance of a 2-keV digitizer ASIC for 3-D position-sensitive pixellated semiconductor detectors. , 2012, , . | | 11 |
| 57 | Characterization of the polarization process in thallium-bromide detectors. , 2012, , . | | 2 |
| 58 | Adjacent 2-pixel event discrimination in 3-D position sensitive imaging CdZnTe detectors using the UM VAD ASIC. , 2012, , . | | 1 |
| 59 | Characterization of the H3D ASIC Readout System and 6.0 cm$^{3}$ 3-D Position Sensitive CdZnTe Detectors. IEEE Transactions on Nuclear Science, 2012, 59, 236-242. | 1.2 | 66 |
| 60 | Spectroscopic performance of recent TlBr detectors. , 2012, , . | | 2 |
| 61 | UMImaging: A Software Package for Image Reconstruction From 3D-Position-Sensitive Gamma-Ray Detectors. IEEE Transactions on Nuclear Science, 2012, 59, 1672-1680. | 1.2 | 3 |
| 62 | Results From Testing of 145 3D Position-Sensitive, Pixelated CdZnTe Detectors. IEEE Transactions on Nuclear Science, 2012, 59, 3332-3338. | 1.2 | 7 |
| 63 | Improvement of Compton imaging efficiency by using side-neighbor events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 687, 62-68. | 0.7 | 4 |
| 64 | Impact of drift time variation on the Compton image from large-volume CdZnTe crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 683, 53-62. | 0.7 | 11 |
| 65 | New measurement technique for the product of the electron mobility and mean free drift time for pixelated semiconductor detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 671, 1-5. | 0.7 | 11 |
| 66 | Maximum-Likelihood Deconvolution in the Spatial and Spatial-Energy Domain for Events With Any Number of Interactions. IEEE Transactions on Nuclear Science, 2012, 59, 469-478. | 1.2 | 14 |
| 67 | Gamma-Ray Point-Source Detection in Unknown Background Using 3D-Position-Sensitive Semiconductor Detectors. IEEE Transactions on Nuclear Science, 2011, 58, 605-613. | 1.2 | 14 |
| 68 | Asymptotic Source Detection Performance of Gamma-Ray Imaging Systems Under Model Mismatch. IEEE Transactions on Signal Processing, 2011, 59, 5141-5151. | 3.2 | 5 |
| 69 | Sub-Pixel Position Sensing for Pixelated, 3-D Position Sensitive, Wide Band-Gap, Semiconductor, Gamma-Ray Detectors. IEEE Transactions on Nuclear Science, 2011, 58, 1400-1409. | 1.2 | 46 |
| 70 | Charge sharing in common-grid pixelated CdZnTe detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 233-243. | 0.7 | 79 |
| 71 | Source motion compensated coded aperture imaging using thick 3D-position-sensitive CdZnTe detectors. , 2011, , . | | 0 |
| 72 | Detection performance prediction for CdZnTe array. , 2011, , . | | 0 |

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| 73 | Multiple-source detection and identification using 3D-position-sensitive semiconductor detectors. , 2011, , . | | 0 |
| 74 | High-flux experiments and simulations of pulse-mode 3D-position-sensitive CdZnTe pixelated detectors. , 2011, , . | | 6 |
| 75 | Event classification and reconstruction of single pixel multiple interaction events. , 2011, , . | | 0 |
| 76 | Impact of electric field non-uniformity on large CdZnTe crystals. , 2011, , . | | 1 |
| 77 | Including pair-production events in the system response function for energy-imaging integrated deconvolution algorithm. , 2011, , . | | 2 |
| 78 | Measurements of gamma rays above 3 MeV using 3D position-sensitive 20×20×15 mm<sup>3</sup> CdZnTe detectors. , 2011, , . | | 1 |
| 79 | Event classification in 3D position sensitive pixelated CdZnTe detectors. , 2011, , . | | 3 |
| 80 | The stability of TlBr detectors at low temperature. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 1024-1029. | 0.7 | 25 |
| 81 | Investigation of polarization effect with TlBr detectors at different operating temperatures. , 2010, , . | | 6 |
| 82 | ASIC for High Rate 3D Position Sensitive Detectors. IEEE Transactions on Nuclear Science, 2010, 57, 1536-1542. | 1.2 | 25 |
| 83 | Efficiency measurement on 6.0 cm<sup>3</sup> 3-D CdZnTe detectors. , 2010, , . | | 2 |
| 84 | Experimental limitations of coded aperture imaging using thick 3D-position-sensitive CdZnTe detectors. , 2010, , . | | 2 |
| 85 | Process and yield enhancements for epitaxially grown mercuric iodide crystals. , 2010, , . | | 0 |
| 86 | Point-source detection using 3D-position-sensitive semiconductor detectors with estimated background. , 2010, , . | | 1 |
| 87 | Model-based reconstruction of spectral and spatial source distribution from objects with known motion. , 2010, , . | | 4 |
| 88 | Performance improvement of 3-D position-sensitive pixellated HgI<inf>2</inf> detectors when cooled from room temperature to 10 °C. , 2010, , . | | 0 |
| 89 | Benefits of Position-Sensitive Detectors for Radioactive Source Detection. IEEE Transactions on Signal Processing, 2010, 58, 4473-4483. | 3.2 | 10 |
| 90 | 3D Monte Carlo simulations of pixelated CdZnTe detectors under high photon fluxes. , 2010, , . | | 3 |

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| 91 | Calibration and operation of the polaris 18-detector CdZnTe array. , 2010, , . | | 5 |
| 92 | Predicting ROC curves for source detection under model mismatch. , 2010, , . | | 1 |
| 93 | ASIC for high rate 3D position sensitive detectors. , 2009, , . | | 3 |
| 94 | Directional isotope identification using 3-D semiconductor gamma-ray-imaging spectrometers. , 2009, , . | | 0 |
| 95 | Performance of 3-D position sensitive CdZnTe detectors for gamma-ray energies above 1 MeV. , 2009, , . | | 9 |
| 96 | Study on effect of charge sharing events in common-grid pixelated CdZnTe detectors. , 2009, , . | | 3 |
| 97 | Experimental demonstration of coded aperture imaging using thick 3D-position-sensitive CdZnTe detectors. , 2009, , . | | 5 |
| 98 | Theoretical energy calibration of multiple-pixel events in a wide band-gap semiconductor detector with pixellated electrodes. , 2009, , . | | 0 |
| 99 | Applications of the energy-imaging integrated deconvolution algorithm for source chatracterization. , 2009, , . | | 2 |
| 100 | Depth reconstruction validation in pixelated semiconductor detectors. , 2009, , . | | 0 |
| 101 | Point-source detection using energy and imaging information from 3D-position-sensitive semiconductor detectors. , 2009, , . | | 3 |
| 102 | Readout ASIC for 3D Position-Sensitive Detectors. IEEE Transactions on Nuclear Science, 2008, 55, 1593-1603. | 1.2 | 37 |
| 103 | TlBr Gamma-Ray Spectrometers Using the Depth Sensitive Single Polarity Charge Sensing Technique. IEEE Transactions on Nuclear Science, 2008, 55, 1781-1784. | 1.2 | 27 |
| 104 | Performance of five-or-more-pixel event sequence reconstruction for 3-D semiconductor gamma-ray-imaging spectrometers. , 2008, , . | | 6 |
| 105 | Event classification in 3D position sensitive semiconductor detectors. , 2008, , . | | 1 |
| 106 | Detecting shielded sources using 3-D CdZnTe detectors. , 2008, , . | | 6 |
| 107 | Investigation of pixellated TlBr detectors using digital signal processing techniques. , 2008, , . | | 3 |
| 108 | Characterization of pixellated thallium bromide radiation detectors for gamma-ray spectroscopy. , 2008, , . | | 0 |

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| 109 | 4π coded aperture imaging using 3d position-sensitive CdZnTe detectors. , 2008, , . | | 3 |
| 110 | Resolution degradation of multiple-pixel event in pixellated CZT detectors. , 2008, , . | | 0 |
| 111 | Sensitivity of gamma-ray source detection using 3D-position-sensitive semiconductor detectors. , 2008, , . | | 6 |
| 112 | Gamma-ray source location by attenuation measurements. , 2007, , . | | 4 |
| 113 | Readout ASIC for 3D position-sensitive detectors. , 2007, , . | | 14 |
| 114 | TlBr gamma-ray spectrometers using the depth sensitive single polarity charge sensing technique. , 2007, , . | | 0 |
| 115 | Digital waveform analysis techniques for pixelated semiconductor detectors. , 2007, , . | | 1 |
| 116 | Stability and characteristics of 3D HgI2 detectors at different cathode bias. , 2007, , . | | 1 |
| 117 | 3D position sensing on UltraPeRL CdZnTe detectors. , 2007, , . | | 2 |
| 118 | Maximum likelihood estimation maximization deconvolution in spatial and combined spatial- energy domains for a detector array system. , 2007, , . | | 5 |
| 119 | Sub-pixel position resolution in pixelated semiconductor detectors. , 2007, , . | | 10 |
| 120 | Calibration strategy for 3-D position sensitive CdZnTe spectrometer arrays. , 2007, , . | | 2 |
| 121 | A Prototype Three-Dimensional Position Sensitive CdZnTe Detector Array. IEEE Transactions on Nuclear Science, 2007, 54, 843-848. | 1.2 | 73 |
| 122 | Pixellated TlBr detectors with the depth sensing technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 235-238. | 0.7 | 19 |
| 123 | Study of Detection Deficiency of 3D Position-Sensitive Pixellated CdZnTe Detectors. , 2006, , . | | 3 |
| 124 | Three-Dimensional Position Sensitive CdZnTe Detector Array for PNNL. , 2006, , . | | 1 |
| 125 | Improving Spectroscopic Performance of a Coplanar-Anode High-Pressure Xenon Gamma-Ray Spectrometer. , 2006, , . | | 0 |
| 126 | Radial position sensing in a coplanar-grid high-pressure xenon gamma-ray spectrometer. IEEE Transactions on Nuclear Science, 2006, 53, 1380-1384. | 1.2 | 5 |

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| 127 | Detection of gamma ray polarization using a 3-D position-sensitive CdZnTe detector. IEEE Transactions on Nuclear Science, 2005, 52, 1160-1164. | 1.2 | 38 |
| 128 | 3-D position sensitive CdZnTe spectrometer performance using third generation VAS/TAT readout electronics. IEEE Transactions on Nuclear Science, 2005, 52, 2009-2016. | 1.2 | 71 |
| 129 | A new coplanar-grid high-pressure xenon gamma-ray spectrometer. IEEE Transactions on Nuclear Science, 2005, 52, 2932-2939. | 1.2 | 16 |
| 130 | Investigation of the asymmetric characteristics and temperature effects of CdZnTe detectors. IEEE Transactions on Nuclear Science, 2005, 52, 2068-2075. | 1.2 | 26 |
| 131 | Long-term stability of 1-cm thick pixelated HgI/sub 2/ gamma-ray spectrometers operating at room temperature. IEEE Transactions on Nuclear Science, 2004, 51, 1886-1894. | 1.2 | 7 |
| 132 | 4/spl pi/ Compton imaging using a 3-D position-sensitive CdZnTe detector via weighted list-mode maximum likelihood. IEEE Transactions on Nuclear Science, 2004, 51, 1618-1624. | 1.2 | 105 |
| 133 | Improved resolution for 3-D position sensitive CdZnTe spectrometers. IEEE Transactions on Nuclear Science, 2004, 51, 2427-2431. | 1.2 | 53 |
| 134 | Analysis of detector response using 3-D position-sensitive CZT gamma-ray spectrometers. IEEE Transactions on Nuclear Science, 2004, 51, 3098-3104. | 1.2 | 21 |
| 135 | 3D position-sensitive CdZnTe gamma-ray spectrometers: improved performance with new ASICs. , 2004, , . | | 18 |
| 136 | 4-pi Compton imaging with single 3D position-sensitive CdZnTe detector. , 2004, , . | | 64 |
| 137 | Comparison of 5 and 10mm thick HgI2 pixelated Î³-ray spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 505, 191-194. | 0.7 | 32 |
| 138 | Intelligent gamma-ray spectroscopy using 3-D position-sensitive detectors. IEEE Transactions on Nuclear Science, 2003, 50, 1090-1097. | 1.2 | 27 |
| 139 | Spectroscopy on thick HgI/sub 2/ detectors: a comparison between planar and pixelated electrodes. IEEE Transactions on Nuclear Science, 2003, 50, 1220-1224. | 1.2 | 21 |
| 140 | Development of a model for gamma-ray spectra generation using pixelated mercuric iodide detectors. , 2003, 4784, 119. | | 3 |
| 141 | Hand-Held Gamma-Ray Imaging Sensors Using Room-Temperature 3-Dimensional Position-Sensitive Semiconductor Spectrometers. AIP Conference Proceedings, 2002, , . | 0.3 | 4 |
| 142 | Large Volume HgI2 Gamma-Ray Spectrometers. AIP Conference Proceedings, 2002, , . | 0.3 | 1 |
| 143 | Investigation of pixellated -ray spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 492, 387-401. | 0.7 | 27 |
| 144 | Stability and characteristics of large CZT coplanar electrode detectors. IEEE Transactions on Nuclear Science, 2001, 48, 272-277. | 1.2 | 13 |

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| 145 | Review of the Shockleyâ€"Ramo theorem and its application in semiconductor gamma-ray detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 463, 250-267. | 0.7 | 420 |
| 146 | 1-D position sensitive single carrier semiconductor detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 380, 228-231. | 0.7 | 128 |
| 147 | Spectroscopy on thick HgI/sub 2/ detectors: a comparison between planar and pixelated electrodes. , 0, , . | | 0 |
| 148 | 3D position sensitive CdZnTe spectrometer performance using third generation VAS/TAT readout electronics. , 0, , . | | 10 |
| 149 | 1 cm thick HgI/sub 2/ gamma-ray spectrometers. , 0, , . | | 0 |
| 150 | Evaluation of pixellated HgI/sub 2/ detectors. , 0, , . | | 1 |
| 151 | Analysis of detector response using 3-D position sensitive CZT gamma-ray spectrometers. , 0, , . | | 4 |
| 152 | Long-term stability of pixelated HgI/sub 2/ gamma-ray spectrometers operating at room temperature. , 0, , . | | 0 |
| 153 | Improved resolution for 3D position sensitive CdZnTe spectrometers. , 0, , . | | 3 |
| 154 | Image artifacts resulting from gamma-ray tracking algorithms used with compton imagers. , 0, , . | | 2 |
| 155 | Detection of gamma ray polarization using a 3D position sensitive CdZnTe detector. , 0, , . | | 0 |
| 156 | Gamma-ray Energy-imaging Integrated Deconvolution. , 0, , . | | 6 |
| 157 | VAS_UM/TAT4 ASIC Systems for 3D CdZnTe/HgI/sub 2/ Detector Arrays. , 0, , . | | 1 |