

Kanai Shah

List of Publications by Year in descending order

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21
papers

311
citations

933447

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888059

17
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21
all docs

21
docs citations

21
times ranked

226
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Developing Larger TlBr Detectors – Detector Performance. IEEE Transactions on Nuclear Science, 2009, 56, 819-823. | 2.0 | 74 |
| 2 | Performance Characterization of a Novel Thin Position-Sensitive Avalanche Photodiode for 1 mm Resolution Positron Emission Tomography. IEEE Transactions on Nuclear Science, 2007, 54, 415-421. | 2.0 | 44 |
| 3 | Continued development of thallium bromide and related compounds for gamma-ray spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 629, 192-196. | 1.6 | 27 |
| 4 | Fabrication Methodology of Enhanced Stability Room Temperature TlBr Gamma Detectors. IEEE Transactions on Nuclear Science, 2013, 60, 1231-1236. | 2.0 | 21 |
| 5 | Recent Progress in Thallium Bromide Gamma-Ray Spectrometer Development. IEEE Transactions on Nuclear Science, 2012, 59, 243-248. | 2.0 | 19 |
| 6 | A study of the timing properties of position-sensitive avalanche photodiodes. Physics in Medicine and Biology, 2009, 54, 5155-5172. | 3.0 | 17 |
| 7 | Thallium Bromide Gamma-Ray Spectrometers and Pixel Arrays. Frontiers in Physics, 2020, 8, . | 2.1 | 15 |
| 8 | Transient Behavior in TlBr Gamma-Ray Detectors and Its Analysis Using 3-D Position Sensing. IEEE Transactions on Nuclear Science, 2013, 60, 1162-1167. | 2.0 | 13 |
| 9 | Investigation of CeBr ₃ scintillators. Journal of Crystal Growth, 2020, 531, 125365. | 1.5 | 12 |
| 10 | Crystal growth, density functional theory, and scintillation properties of Tl ₃ LnCl ₆ :Ce ³⁺ and TlLn ₂ Cl ₇ :Ce ³⁺ (Ln = Y, Gd). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 995, 165047. | 1.6 | 11 |
| 11 | Radiation Effects on a Potential Scintillation-Based Solid-State Spectrometer Prototype for Compact Monitoring of Space Radiation/Weather Satellite Conditions. IEEE Transactions on Nuclear Science, 2019, 66, 4985-4991. | 2.0 | 9 |
| 12 | Thallium-based scintillators for high-resolution gamma-ray spectroscopy: Ce ³⁺ -doped Tl ₂ LaCl ₅ and Tl ₂ LaBr ₃ . | 1.6 | 9 |
| 13 | Time Resolution Studies of Thallium Based Cherenkov Semiconductors. Frontiers in Physics, 2022, 10, . | 2.1 | 9 |
| 14 | New developments for CMOS SSPMs. , 2008, , . | | 8 |
| 15 | Quantitative Investigation of Room-Temperature Breakdown Effects in Pixelated TlBr Detectors. IEEE Transactions on Nuclear Science, 2014, 61, 2573-2578. | 2.0 | 8 |
| 16 | Quantification of the Conditioning Phase in Cooled Pixelated TlBr Detectors. IEEE Transactions on Nuclear Science, 2015, 62, 1785-1790. | 2.0 | 6 |
| 17 | Accurate Determination of the Ionization Energy in Pixelated TlBr Correcting for Charge Collection Efficiency. IEEE Transactions on Nuclear Science, 2018, 65, 950-954. | 2.0 | 4 |
| 18 | Improvements in room temperature lifetime of pixelated TlBr detectors from surface etching. , 2015, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Crystal growth, density functional theory, and scintillation properties of TlMgX ₃ (X=Cl, Br, I). Chemical Physics, 2022, 558, 111535. | 1.9 | 2 |
| 20 | Characterization of a digital ASIC readout system for 11 \tilde{A} –11 pixelated TlBr detectors. , 2014, , . | | 1 |
| 21 | Digital signal processing in TlBr detectors: Accounting for the motion of holes. , 2015, , . | | 0 |