

Kanai Shah

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12082010/publications.pdf>

Version: 2024-02-01

21
papers

311
citations

933447

10
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Time Resolution Studies of Thallium Based Cherenkov Semiconductors. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	9
2	Crystal growth, density functional theory, and scintillation properties of TlMgX ₃ (X=Cl, Br, I). <i>Chemical Physics</i> , 2022, 558, 111535.	1.9	2
3	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). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 995, 165047.	1.6	11
4	Investigation of CeBr ₃ scintillators. <i>Journal of Crystal Growth</i> , 2020, 531, 125365.	1.5	12
5	Thallium-based scintillators for high-resolution gamma-ray spectroscopy: Ce ³⁺ -doped Tl ₂ LaCl ₅ and Tl ₂ LaBr ₅ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 995, 165047.	1.6	9
6	Thallium Bromide Gamma-Ray Spectrometers and Pixel Arrays. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	15
7	Accurate Determination of the Ionization Energy in Pixelated TlBr Correcting for Charge Collection Efficiency. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 950-954.	2.0	4
8	Digital signal processing in TlBr detectors: Accounting for the motion of holes. , 2015, , .		0
9	Improvements in room temperature lifetime of pixelated TlBr detectors from surface etching. , 2015, , .		2
10	Quantification of the Conditioning Phase in Cooled Pixelated TlBr Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 1785-1790.	2.0	6
11	Quantitative Investigation of Room-Temperature Breakdown Effects in Pixelated TlBr Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 2573-2578.	2.0	8
12	Characterization of a digital ASIC readout system for 11-pixelated TlBr detectors. , 2014, , .		1
13	Transient Behavior in TlBr Gamma-Ray Detectors and Its Analysis Using 3-D Position Sensing. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 1162-1167.	2.0	13
14	Fabrication Methodology of Enhanced Stability Room Temperature TlBr Gamma Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 1231-1236.	2.0	21
15	Recent Progress in Thallium Bromide Gamma-Ray Spectrometer Development. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 243-248.	2.0	19
16	Radiation Effects on a Potential Scintillation-Based Solid-State Spectrometer Prototype for Compact Monitoring of Space Radiation/Weather Satellite Conditions. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 3095-3102.	2.0	9
17	Continued development of thallium bromide and related compounds for gamma-ray spectrometers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 629, 192-196.	1.6	27
18	A study of the timing properties of position-sensitive avalanche photodiodes. <i>Physics in Medicine and Biology</i> , 2009, 54, 5155-5172.	3.0	17

#	ARTICLE	IF	CITATIONS
19	Developing Larger TlBr Detectorsâ€™ Detector Performance. IEEE Transactions on Nuclear Science, 2009, 56, 819-823.	2.0	74
20	New developments for CMOS SSPMs. , 2008, , .		8
21	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