

Gyuseong Cho

List of Publications by Year in descending order

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papers

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430874

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177
all docs

177
docs citations

177
times ranked

1094
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of electric field on primary dark pulses in SPADs for advanced radiation detection applications. Nuclear Engineering and Technology, 2021, 53, 618-625.	2.3	5
2	Pseudo-Gamma Spectroscopy Based on Plastic Scintillation Detectors Using Multitask Learning. Sensors, 2021, 21, 684.	3.8	13
3	Discrete Convolution-Based Energy Spectrum Configuring Method for the Analysis of the Intrinsic Radiation of ^{176}Lu . Sensors, 2021, 21, 7040.	3.8	2
4	Ghost imaging with Bayesian denoising method. Optics Express, 2021, 29, 39323.	3.4	5
5	A neural network approach for identification of gamma-ray spectrum obtained from silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161704.	1.6	8
6	Target-Moderator-Reflector system for $10\text{--}30\text{ MeV}$ proton accelerator-driven compact thermal neutron source: Conceptual design and neutronic characterization. Nuclear Engineering and Technology, 2020, 52, 633-646.	2.3	9
7	Pulse pileup correction method for gamma-ray spectroscopy in high radiation fields. Nuclear Engineering and Technology, 2020, 52, 1029-1035.	2.3	15
8	Integrated Circuit Design for Radiation-Hardened Charge-Sensitive Amplifier Survived up to 2 Mrad. Sensors, 2020, 20, 2765.	3.8	14
9	Radioisotope Identification and Nonintrusive Depth Estimation of Localized Low-Level Radioactive Contaminants Using Bayesian Inference. Sensors, 2020, 20, 95.	3.8	5
10	Reconstruction of Compton Edges in Plastic Gamma Spectra Using Deep Autoencoder. Sensors, 2020, 20, 2895.	3.8	10
11	Uncertainty Estimation of the Dose Rate in Real-Time Applications Using Gaussian Process Regression. Sensors, 2020, 20, 2884.	3.8	4
12	A study on back irradiation flat panel detector with crystal silicon based x-ray CMOS image sensor. Radiation Physics and Chemistry, 2019, 155, 38-43.	2.8	2
13	Inverse calibration matrix algorithm for radiation detection portal monitors. Radiation Physics and Chemistry, 2019, 155, 127-132.	2.8	6
14	Efficient design of a $2\text{--}2$ inch NaI(Tl) scintillation detector coupled with a SiPM in an aquatic environment. Nuclear Engineering and Technology, 2019, 51, 1091-1097.	2.3	10
15	Ambient dose equivalent measurement with a CsI(Tl) based electronic personal dosimeter. Nuclear Engineering and Technology, 2019, 51, 1991-1997.	2.3	15
16	Multi-radioisotope identification algorithm using an artificial neural network for plastic gamma spectra. Applied Radiation and Isotopes, 2019, 147, 83-90.	1.5	42
17	A Bayesian Approach for Remote Depth Estimation of Buried Low-Level Radioactive Waste with a NaI(Tl) Detector. Sensors, 2019, 19, 5365.	3.8	4
18	Well structure engineering to improve the responsivity of p-on-n SiPM developed at KAIST-NNFC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 914, 25-31.	1.6	1

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19	Attenuation curves of neutrons from 400 to 550 MeV/u for Ca, Kr, Sn, and U ions in concrete on a graphite target for the design of shielding for the RAON in-flight fragment facility in Korea. Nuclear Engineering and Technology, 2019, 51, 275-283.	2.3	1
20	EVALUATION OF EYE LENS DOSE TO WORKERS IN THE STEAM GENERATOR AT THE KOREAN OPTIMIZED POWER REACTOR 1000. Radiation Protection Dosimetry, 2018, 181, 374-381.	0.8	4
21	Optimization of the effect of radiation on ASIC chip through detector. , 2018, , .		0
22	Radiation safety analysis for the A-BNCT facility in Korea. Applied Radiation and Isotopes, 2018, 142, 92-103.	1.5	9
23	Monte Carlo simulations of criticality safety assessments of transuranic element storage in a pyroprocess facility. Nuclear Engineering and Technology, 2018, 50, 815-819.	2.3	0
24	Improvement of spatial resolution in a Timepix based CdTe photon counting detector using ToT method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 891, 18-24.	1.6	8
25	An Assessment of the Secondary Neutron Dose in the Passive Scattering Proton Beam Facility of the National Cancer Center. Nuclear Engineering and Technology, 2017, 49, 801-809.	2.3	15
26	Proposing a Simple Radiation Scale for the Public: Radiation Index. Nuclear Engineering and Technology, 2017, 49, 598-608.	2.3	10
27	Energy-correction photon counting pixel for photon energy extraction under pulse pile-up. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 856, 36-46.	1.6	3
28	A design of a valid signal selecting and position decoding ASIC for PET using silicon photomultipliers. Journal of Instrumentation, 2017, 12, C01089-C01089.	1.2	1
29	A new cross-detection method for improved energy-resolving photon counting under pulse pile-up. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 867, 154-162.	1.6	5
30	Detector motion method to increase spatial resolution in photon-counting detectors. Journal of the Korean Physical Society, 2017, 70, 567-573.	0.7	3
31	The Development of Gamma Energy Identifying Algorithm for Compact Radiation Sensors Using Stepwise Refinement Technique. Journal of Radiation Protection and Research, 2017, 42, 91-97.	0.6	1
32	Scintillator-Based Electronic Personal Dosimeter for Mobile Application. , 2017, , 191-218.		0
33	Improvement in the energy resolving capabilities of photon counting detectors. Journal of Instrumentation, 2016, 11, C12030-C12030.	1.2	1
34	CALCULATION OF GAMMA SPECTRA IN A PLASTIC SCINTILLATOR FOR ENERGY CALIBRATION AND DOSE COMPUTATION. Radiation Protection Dosimetry, 2016, 170, 377-381.	0.8	5
35	Optimization of a guard ring structure in Geiger-mode avalanche photodiodes fabricated at National NanoFab Center. Journal of Instrumentation, 2016, 11, C01077-C01077.	1.2	0
36	Development of a 55 μm pitch 8 inch CMOS image sensor for the high resolution NDT application. Journal of Instrumentation, 2016, 11, P11016-P11016.	1.2	9

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37	PLASTIC SCINTILLATOR FOR RADIATION DOSIMETRY. Radiation Protection Dosimetry, 2016, 170, 187-190.	0.8	3
38	Development of a Position Decoding ASIC for SPECT using Silicon Photomultiplier. Journal of Instrumentation, 2016, 11, C01065-C01065.	1.2	1
39	Replacement of a photomultiplier tube in a 2-inch thallium-doped sodium iodide gamma spectrometer with silicon photomultipliers and a light guide. Nuclear Engineering and Technology, 2015, 47, 479-487.	2.3	11
40	Optimal design of a CsI(Tl) crystal in a SiPM based compact radiation sensor. Radiation Measurements, 2015, 82, 102-107.	1.4	14
41	Iterative Monte Carlo simulation with the Compton kinematics-based GEB in a plastic scintillation detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 795, 298-304.	1.6	16
42	Evaluation of the latent radiation dose from the activated radionuclides in a cyclotron vault. Journal of the Korean Physical Society, 2015, 66, 571-577.	0.7	1
43	Silicon photomultiplier modules for MRI-compatible PET. Journal of Instrumentation, 2015, 10, C04002-C04002.	1.2	1
44	Characterization of silicon photomultipliers at National Nano-Fab Center for PET-MR. Review of Scientific Instruments, 2014, 85, 103107.	1.3	3
45	An optimal RF shielding method for MR&PET fusion system with insertable PET. International Journal of Imaging Systems and Technology, 2014, 24, 263-269.	4.1	3
46	A complementary dual-slope ADC with high frame rate and wide input range for fast X-ray imaging. Journal of the Korean Physical Society, 2014, 64, 510-515.	0.7	1
47	Visibility evaluation of a neutron grating interferometer operated with a polychromatic thermal neutron beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 746, 26-32.	1.6	13
48	Fast signal transfer in a large-area X-ray CMOS image sensor. Journal of Instrumentation, 2014, 9, P08011-P08011.	1.2	8
49	An image-based approach for reducing metal artifacts in CT. , 2014, , .		0
50	A TiO ₂ -Coated Reflective Layer Enhances the Sensitivity of a CsI:Tl Scintillator for X-ray Imaging Sensors. Journal of the Optical Society of Korea, 2014, 18, 256-260.	0.6	2
51	Influence of Guard-Ring Structure on the Dark Count Rates of Silicon Photomultipliers. IEEE Electron Device Letters, 2013, 34, 336-338.	3.9	9
52	Groundshine dose-rate conversion factors of soil contaminated to different depths. Radiation Protection Dosimetry, 2013, 157, 407-429.	0.8	1
53	Fabrication and characterization of the source grating for visibility improvement of neutron phase imaging with gratings. Review of Scientific Instruments, 2013, 84, 063705.	1.3	19
54	External dose-rate conversion factors of radionuclides for air submersion, ground surface contamination and water immersion based on the new ICRP dosimetric setting. Radiation Protection Dosimetry, 2013, 156, 7-24.	0.8	15

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55	Design and image-quality performance of high resolution CMOS-based X-ray imaging detectors for digital mammography. <i>Journal of Instrumentation</i> , 2012, 7, C04020-C04020.	1.2	10
56	Comparative study of various pixel photodiodes for digital radiography: Junction structure, corner shape and noble window opening. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1413-1418.	0.7	0
57	Development of transportable gamma-ray tomographic system for industrial application. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 693, 203-208.	1.6	17
58	Optimum Design of Quenching Capacitor Integrated Silicon Photomultipliers for TOF-PET Application. <i>Physics Procedia</i> , 2012, 37, 1511-1517.	1.2	6
59	A feasibility study on gamma-ray tomography by Monte Carlo simulation for development of portable tomographic system. <i>Applied Radiation and Isotopes</i> , 2012, 70, 404-414.	1.5	8
60	Sparse-view image reconstruction in prospectively gated micro-CT for fast and low-dose imaging. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1157-1160.	0.7	5
61	APPLICATION OF A DUAL-ENERGY MONOCHROMATIC XRAY CT ALGORITHM TO POLYCHROMATIC X-RAY CT: A FEASIBILITY STUDY. <i>Nuclear Engineering and Technology</i> , 2012, 44, 61-70.	2.3	8
62	Performance comparison of CMOS-based photodiodes for high-resolution and high-sensitivity digital mammography. <i>Journal of Instrumentation</i> , 2011, 6, C12046-C12046.	1.2	0
63	Effect on MIM structured parallel quenching capacitor of SiPMs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 650, 125-128.	1.6	5
64	Novel nanocrystalline Gd ₂ O ₃ (Eu) scintillator screens with a micro-pixel structure for high spatial resolution X-ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 652, 717-720.	1.6	13
65	Hydrothermal synthesis, structure and scintillation characterization of nanocrystalline Eu ³⁺ -doped Gd ₂ O ₃ materials and its X-ray imaging applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 652, 212-215.	1.6	7
66	Quasi-pixel structured nanocrystalline Gd ₂ O ₃ (Eu) scintillation screens and imaging performance for indirect X-ray imaging sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 648, S12-S15.	1.6	5
67	Feasibility study on TOF-PET with fill factor improved SiPMs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 633, S163-S165.	1.6	7
68	The sensitivity and spatial resolution dependence on the microstructures of CsI:Tl scintillation layer for X-ray imaging detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 633, S297-S299.	1.6	15
69	Fabrication and characterization of pixelated Gd ₂ O ₂ S:Tb scintillator screens for digital X-ray imaging applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 633, S303-S305.	1.6	13
70	Industrial gamma-ray tomographic scan method for large scale industrial plants. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 640, 139-150.	1.6	15
71	Characterization and imaging performance of nanoscintillator screen for high resolution X-ray imaging detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 633, S294-S296.	1.6	6
72	Use and imaging performance of CMOS flat panel imager with LiF/ZnS(Ag) and Gadox scintillation screens for neutron radiography. <i>Journal of Instrumentation</i> , 2011, 6, C01064-C01064.	1.2	1

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73	Monte Carlo Simulation for the Design of Industrial Gamma-ray Transmission Tomography. Progress in Nuclear Science and Technology, 2011, 1, 263-266.	0.3	7
74	High-resolution X-ray Imaging Based on Pixel-structured CsI:Tl Scintillating Screens for Indirect X-ray Image Sensors. Journal of the Korean Physical Society, 2011, 59, 3670-3673.	0.7	10
75	Fabrication and imaging characterization of high sensitive CsI(Tl) and Gd ₂ O ₂ S(Tb) scintillator screens for X-ray imaging detectors. Radiation Measurements, 2010, 45, 742-745.	1.4	47
76	Synthesis and scintillation properties of nano Gd ₂ O ₃ (Eu) scintillator for high resolution X-ray imaging applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 174-176.	1.6	18
77	Investigation of the Performance of Scintillator-Based CMOS Flat Panel Detectors for X-Ray and Thermal Neutron Imaging. IEEE Transactions on Nuclear Science, 2010, 57, 1409-1413.	2.0	8
78	Development and evaluation of a high resolution CMOS Image Sensor with 17 μm \times 17 μm pixel size for X-ray imaging. , 2010, , .		0
79	Volumetry of Artificial Pulmonary Nodules in Ex Vivo Porcine Lungs: Comparison of Semi-automated Volumetry and Radiologists' Performance. Journal of the Korean Society of Radiology, 2010, 62, 447.	0.2	0
80	Hydrothermal synthesis and characterization of nano Gd ₂ O ₃ (Eu) scintillator for high resolution X-ray imaging application. , 2009, , .		0
81	Performance evaluation for pinhole collimators of small gamma camera by MTF and NNPS analysis: Monte Carlo simulation study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 93-96.	1.6	4
82	Improvement of the sensitivity and spatial resolution of pixelated CsI:Tl scintillator with reflective coating. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 145-149.	1.6	10
83	Scintillation characteristics and imaging performance of CsI:Tl thin films for X-ray imaging applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 224-228.	1.6	37
84	Optical simulation of new pixelated-scintillator detectors coupled with micro-lens array by ray-trace method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 317-320.	1.6	0
85	Study on response function of CdTe detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 302-306.	1.6	4
86	Deconvolution of gamma-ray spectra obtained with NAI(Tl) detector in a water tank. Radiation Protection Dosimetry, 2009, 135, 203-210.	0.8	8
87	Performance studies of a monolithic scintillator-CMOS image sensor for X-ray application. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 113-116.	1.6	17
88	Optimization of CMOS active pixels with high signal-to-noise ratio for high-resolution X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 248-251.	1.6	2
89	DOI resolution measurement and error analysis with LYSO and APDs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 84-87.	1.6	4
90	The detective quantum efficiency (DQE) for evaluating the performance of a small gamma camera system with a uniformly redundant array (URA) collimator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 279-281.	1.6	1

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91	Cascade Modeling of Pixelated Scintillator Detectors for X-Ray Imaging. IEEE Transactions on Nuclear Science, 2008, 55, 1357-1366.	2.0	24
92	The Performance of X-Ray Scanner Using Ceramic Scintillator Base Detector Module. IEEE Transactions on Nuclear Science, 2008, 55, 1321-1326.	2.0	2
93	Study on a Re-verification Detection System for IAEA Safeguard to a Consolidated Spent Fuel Storage System. Journal of Nuclear Science and Technology, 2008, 45, 492-495.	1.3	0
94	Monte Carlo Study on Optimization of Reflectors in Pixelated CsI Film for Mammographic Application. Journal of Nuclear Science and Technology, 2008, 45, 485-488.	1.3	0
95	Study on the Influence of the Scattered Radiation in the Industrial Transmission Gamma Tomography. Journal of Nuclear Science and Technology, 2008, 45, 371-374.	1.3	0
96	Radiation damage monitoring using gamma-camera at cyclotron facility. , 2008, , .		0
97	Fabrication and comparison Gd ₂ O ₃ (Tb) and CsI(Tl) films for X-ray imaging detector application. , 2008, , .		1
98	A Simulation Study on Spatial Resolution and Noise Power Spectra of a URA-based Multi-hole Collimator in a Small Gamma Camera. Journal of Nuclear Science and Technology, 2008, 45, 530-533.	1.3	1
99	A New algorithm for radioisotope concentration monitoring in cooling water outlet of nuclear power plant. , 2007, , .		0
100	A small gamma camera combined with a uniformly redundant array (URA) collimator: the performance evaluation using detective quantum efficiency (DQE). , 2007, , .		0
101	Development and characterization of CMOS-based monolithic X-ray imager sensor. , 2007, , .		3
102	Characterization of Si-PIN radiation detector with photon counting mode CMOS readout front-end. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 576, 47-51.	1.6	0
103	A study on spatial resolution of pixelated CsI(Tl) scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 205-207.	1.6	28
104	An X-ray imaging detector based on pixel structured scintillator. Radiation Measurements, 2007, 42, 1415-1418.	1.4	16
105	Ceramic scintillator-coupled linear array PIN photodiode for X-ray scanner. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 208-212.	1.6	6
106	A Pixelated CsI (Tl) Scintillator for CMOS-based X-ray Image Sensor. , 2006, , .		8
107	Determination of point spread function for a flat-panel X-ray imager and its application in image restoration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 167-171.	1.6	9
108	Analysis of noise characteristics for the active pixels in CMOS image sensors for X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 263-267.	1.6	5

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109	Analysis and Optimization of Signal-to-Noise Ratio in CMOS Active Pixels for High Resolution X-ray Imaging. , 2006, , .		0
110	An experimental study on the variation of MTF and NPS caused by x-ray beam conditions for three indirect digital radiographic imagers. , 2006, , .		0
111	A scatter correction using thickness iteration in dual-energy radiography. IEEE Transactions on Nuclear Science, 2006, 53, 133-138.	2.0	7
112	Development of a lens-coupled CMOS detector for an X-ray inspection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 545, 210-216.	1.6	10
113	Use of a flat-panel detector for microtomography: a feasibility study for small-animal imaging. IEEE Transactions on Nuclear Science, 2005, 52, 193-198.	2.0	27
114	Comparative study of CWO and ZnSe(Te) scintillation detector on the performance of X-ray imaging system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 449-453.	1.6	9
115	Industrial X-ray imaging based on scintillators and CMOS APS array: direct X-ray irradiation effects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 454-457.	1.6	3
116	Polarization-modulated magnetic soft-x-ray transmission microscopy. Journal of Applied Physics, 2005, 98, 093907.	2.5	11
117	Optimization of dual Layer phoswich detector consisting of LSO and LuYAP for small animal PET. IEEE Transactions on Nuclear Science, 2005, 52, 217-221.	2.0	22
118	Characterization of dual layer phoswich detector performance for small animal PET using Monte Carlo simulation. Physics in Medicine and Biology, 2004, 49, 2881-2890.	3.0	31
119	Measurement of the neutron fluence and dose spectra using an extended bonner sphere and a tissue-equivalent proportional counter. Radiation Protection Dosimetry, 2004, 110, 717-723.	0.8	2
120	Effect of yttria substitution on the light output of (Gd,Y)2O3:Eu ceramic scintillator. Nuclear Instruments & Methods in Physics Research B, 2004, 225, 392-396.	1.4	22
121	Radiation effects on the resolution (MTF) of the scintillator coupled CMOS APS array imager for non-destructive test X-ray imaging. Annals of Nuclear Energy, 2004, 31, 805-811.	1.8	4
122	Development of a 3-D X-Ray Micro-tomography System and its Application to Trabecular Bone/Cement Interface. Journal of Nuclear Science and Technology, 2004, 41, 369-4.	1.3	0
123	Synthesis of Eu-doped (Gd,Y)2O3 transparent optical ceramic scintillator. Journal of Materials Research, 2004, 19, 413-416.	2.6	32
124	Measurement of the Neutron Spectra Inside and Outside the Target Room of the 65 MeV Electron LINAC using an Extended Bonner Sphere. Journal of Nuclear Science and Technology, 2004, 41, 176-179.	1.3	2
125	Evaluation of Maximum-Likelihood Position Estimation With Poisson and Gaussian Noise Models in a Small Gamma Camera. IEEE Transactions on Nuclear Science, 2004, 51, 101-104.	2.0	19
126	Monte Carlo based time-domain Hspice noise simulation for CSA-CRRC circuit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 505, 328-333.	1.6	14

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127	Construction and characterization of an amorphous silicon flat-panel detector based on ion-shower doping process. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 505, 155-158.	1.6	8
128	Solid-state personal dosimeter using dose conversion algorithm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 505, 403-406.	1.6	1
129	A computer code for the simulation of x-ray imaging systems. , 2003, , .		3
130	Characterization of a 14 in /spl times/ 17 in flat panel detector based on ion shower doped a-Si : H P-I-N diodes. IEEE Transactions on Nuclear Science, 2003, 50, 1654-1658.	2.0	0
131	Development of X-ray scanner using 450-kVp X-ray. IEEE Transactions on Nuclear Science, 2003, 50, 2414-2419.	2.0	7
132	Leakage current of amorphous silicon p-i-n diodes made by ion shower doping. Applied Physics Letters, 2002, 80, 4843-4845.	3.3	6
133	Artifacts associated with implementation of the Grangeat formula. Medical Physics, 2002, 29, 2871-2880.	3.0	13
134	A radiation monitoring system with capability of gamma imaging and estimation of exposure dose rate. IEEE Transactions on Nuclear Science, 2002, 49, 1547-1551.	2.0	7
135	Comparative study on the radiation damage of a-Si:H p-i-n diodes made by PECVD and ion shower doping. IEEE Transactions on Nuclear Science, 2002, 49, 2244-2249.	2.0	9
136	Analysis of 1/f noise in CMOS preamplifier with CDS circuit. IEEE Transactions on Nuclear Science, 2002, 49, 1819-1823.	2.0	17
137	GEM-type detectors using LIGA and etchable glass technologies. IEEE Transactions on Nuclear Science, 2002, 49, 870-874.	2.0	8
138	Pinhole collimator design for nuclear survey system. Annals of Nuclear Energy, 2002, 29, 2029-2040.	1.8	12
139	A study on the sensitivity of self-powered neutron detectors (SPNDs). IEEE Transactions on Nuclear Science, 2001, 48, 1587-1591.	2.0	12
140	A 3-D X-ray microtomographic system with a CMOS image sensor. IEEE Transactions on Nuclear Science, 2001, 48, 1503-1505.	2.0	8
141	Heterodyne wave number measurement using a double B-dot probe. Review of Scientific Instruments, 2001, 72, 410-412.	1.3	11
142	A methodology for determining optimal durations for the use of contaminated crops as fodder following a nuclear accident using a dynamic food-chain model. Annals of Nuclear Energy, 2000, 27, 1071-1086.	1.8	3
143	Scattered Neutron Calibration Fields of KAERI. Journal of Nuclear Science and Technology, 2000, 37, 781-784.	1.3	2
144	Seasonal Influence of Countermeasures for Milk after a Nuclear Accident. Journal of Nuclear Science and Technology, 2000, 37, 880-884.	1.3	0

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145	A methodology for optimisation of countermeasures for animal products after a nuclear accident and its application. <i>Annals of Nuclear Energy</i> , 1999, 26, 1537-1550.	1.8	0
146	Simulation of neutral beam tomography using maximum entropy method. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 422, 693-697.	1.6	2
147	Monte Carlo studies of metal/phosphor screen in therapeutic X-ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 422, 713-717.	1.6	7
148	Electronic dose conversion technique using a NaI(Tl) detector for assessment of exposure dose rate from environmental radiation. <i>IEEE Transactions on Nuclear Science</i> , 1998, 45, 981-985.	2.0	21
149	Development of a Dynamic Food Chain Model DYNACON and Its Application to Korean Agricultural Conditions. <i>Journal of Nuclear Science and Technology</i> , 1998, 35, 454-461.	1.3	7
150	Development of a Dynamic Food Chain Model DYNACON and Its Application to Korean Agricultural Conditions.. <i>Journal of Nuclear Science and Technology</i> , 1998, 35, 454-461.	1.3	9
151	A hexagonal percolation model for zone-dependent pore interlinkage fraction and its application to the prediction of fission gas release. <i>Annals of Nuclear Energy</i> , 1996, 23, 1445-1457.	1.8	7
152	Spherical approximation in gamma dose calculations and its application to an emergency response action at kori reactor site in Korea. <i>Annals of Nuclear Energy</i> , 1995, 22, 441-452.	1.8	7
153	Defect Equilibration and Intrinsic Stress in Undoped Hydrogenated Amorphous Silicon. <i>Japanese Journal of Applied Physics</i> , 1994, 33, 1261-1267.	1.5	11
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