

Choirul Anam

List of Publications by Year in descending order

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46
papers

368
citations

840776

11
h-index

839539

18
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47
all docs

47
docs citations

47
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Calculation of Height and Area of Human Body for Estimating Body Weight Using a Matlab-based Kinect Camera. Smart Science, 2022, 10, 68-75.	3.2	4
2	Simple Automated Verification of Field Size Indicator for Quality Assurance of Medical Linear Accelerator. International Journal of Scientific Research in Science and Technology, 2022, , 55-60.	0.1	0
3	Effect of variation of silicone rubber RTV 52 and bluesil catalyst 60 R composition on bolus material for electron beam radiotherapy application. Biomedical Physics and Engineering Express, 2022, , .	1.2	0
4	Normal tissue objective (NTO) tool in Eclipse treatment planning system for dose distribution optimization. Polish Journal of Medical Physics and Engineering, 2022, 28, 99-106.	0.6	1
5	Comparison of dose distribution 6 MV photon in breast cancer treatment using plasticine and silicone rubber boluses. International Journal of Scientific Research in Science and Technology, 2022, , 393-399.	0.1	0
6	Visualization of dose distribution and basic study of dose estimation using plastic scintillator and digital camera. Biomedical Physics and Engineering Express, 2022, 8, 055009.	1.2	1
7	Automated development of the contrastâ€‘detail curve based on statistical lowâ€‘contrast detectability in CT images. Journal of Applied Clinical Medical Physics, 2022, 23, .	1.9	14
8	Comparison of two convolutional neural network models for automated classification of brain cancer types. AIP Conference Proceedings, 2021, , .	0.4	6
9	Image Contrast Improvement in Image Fusion between CT and MRI images of Brain Cancer Patients. International Journal of Scientific Research in Science and Technology, 2021, , 104-110.	0.1	1
10	An Improved Method of Automated Noise Measurement System in CT Images. Journal of Biomedical Physics and Engineering, 2021, 11, 163-174.	0.9	5
11	Automatic validation of the gantry tilt in a computed tomography scanner using a head polymethyl methacrylate phantom. Polish Journal of Medical Physics and Engineering, 2021, 27, 57-62.	0.6	2
12	Comparison of MTF Measurement Methods in CT Images for Various Reconstruction Kernels. International Journal of Scientific Research in Science and Technology, 2021, , 396-405.	0.1	0
13	Automated procedure for slice thickness verification of computed tomography images: Variations of slice thickness, position from isoâ€‘center, and reconstruction filter. Journal of Applied Clinical Medical Physics, 2021, 22, 313-321.	1.9	9
14	Effect of Contrast Agent Administration on Size-Specific Dose Estimates (SSDE) Calculations based on Water Equivalent Diameter in CT Head Examinations. International Journal of Scientific Research in Science and Technology, 2021, , 563-571.	0.1	0
15	An improved method for automated calculation of the waterâ€‘equivalent diameter for estimating sizeâ€‘specific dose in CT. Journal of Applied Clinical Medical Physics, 2021, 22, 313-323.	1.9	14
16	CORRELATION BETWEEN ANTERIORâ€‘POSTERIOR AND LATERAL DIMENSIONS WITH THE EFFECTIVE AND WATER-EQUIVALENT DIAMETERS IN AXIAL IMAGES FROM HEAD COMPUTED TOMOGRAPHY EXAMINATIONS. Radiation Protection Dosimetry, 2021, 196, 248-256.	0.8	2
17	The effective and water-equivalent diameters as geometrical size functions for estimating CT dose in the thoracic, abdominal, and pelvic regions. Polish Journal of Medical Physics and Engineering, 2021, 27, 213-222.	0.6	0
18	Investigation of Eye Lens Dose Estimate based on AAPM Report 293 in Head Computed Tomography. Journal of Biomedical Physics and Engineering, 2021, 11, 563-572.	0.9	2

#	ARTICLE	IF	CITATIONS
19	An automation of radial modulation transfer function (MTF) measurement on a head polymethyl methacrylate (PMMA) phantom. AIP Conference Proceedings, 2021, , .	0.4	1
20	Automate the calculation of human body height using a matlab-based kinect camera for estimating body size: A pilot study. AIP Conference Proceedings, 2021, , .	0.4	2
21	Development of in-house phantoms from polyester resin and methyl ethyl ketone peroxide materials with various diameters: Investigation their CT numbers for various tube voltages and field of views. Journal of Physics and Its Applications, 2021, 4, 7-13.	0.2	0
22	The establishment of the national dose reference level (DRL) for head-CT examination in Indonesia. Journal of Physics: Conference Series, 2020, 1505, 012047.	0.4	0
23	Automated patient position in CT examination using a Kinect camera. Journal of Physics: Conference Series, 2020, 1505, 012034.	0.4	4
24	Silicone rubber with lead-acid composite as alternative radiation filter in digital radiography (DR). Journal of Physics: Conference Series, 2020, 1505, 012035.	0.4	4
25	An improvement in automatic MTF measurement in CT images using an edge of the PMMA phantom. Journal of Physics: Conference Series, 2020, 1505, 012039.	0.4	4
26	Development of a head CT dose index (CTDI) phantom based on polyester resin and methyl ethyl ketone peroxide (MEKP): a preliminary study. Journal of Radiological Protection, 2020, 40, 544-553.	1.1	5
27	An artifact-free thyroid shield in CT examination: a phantom study. Biomedical Physics and Engineering Express, 2020, 6, 015029.	1.2	5
28	Development of a computational phantom for validation of automated noise measurement in CT images. Biomedical Physics and Engineering Express, 2020, 6, 065001.	1.2	2
29	Electron contamination for 6 MV photon beams from an Elekta linac: Monte Carlo simulation. Journal of Physics and Its Applications, 2020, 2, 97-101.	0.2	7
30	Automated determination of chest characteristics of Indonesians as the basis of chest dosimetrical phantom design. Polish Journal of Medical Physics and Engineering, 2020, 26, 263-268.	0.6	1
31	Comparison of central, peripheral, and weighted size-specific dose in CT. Journal of X-Ray Science and Technology, 2020, 28, 695-708.	1.0	6
32	OUP accepted manuscript. Radiation Protection Dosimetry, 2020, 188, 522-528.	0.8	2
33	Development of a novel artifact-free eye shield based on silicon rubber-lead composition in the CT examination of the head. Journal of Radiological Protection, 2019, 39, 991-1005.	1.1	10
34	Assessment of patient dose and noise level of clinical CT images: automated measurements. Journal of Radiological Protection, 2019, 39, 783-793.	1.1	20
35	An evaluation of computed tomography dose index measurements using a pencil ionisation chamber and small detectors. Journal of Radiological Protection, 2019, 39, 112-124.	1.1	15
36	A SIMPLIFIED METHOD FOR THE WATER-EQUIVALENT DIAMETER CALCULATION TO ESTIMATE PATIENT DOSE IN CT EXAMINATIONS. Radiation Protection Dosimetry, 2019, 185, 34-41.	0.8	6

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37	Automated MTF measurement in CT images with a simple wire phantom. Polish Journal of Medical Physics and Engineering, 2019, 25, 179-187.	0.6	12
38	A novel multiple-windows blending of CT images in red-green-blue (RGB) color space: Phantoms study. Scientific Visualization, 2019, 11, .	0.4	3
39	Correlation between age and head diameters in the paediatric patients during CT examination of the head. Polish Journal of Medical Physics and Engineering, 2019, 25, 229-235.	0.6	6
40	A SIMPLE METHOD FOR CALIBRATING PIXEL VALUES OF THE CT LOCALIZER RADIOGRAPH FOR CALCULATING WATER-EQUIVALENT DIAMETER AND SIZE-SPECIFIC DOSE ESTIMATE. Radiation Protection Dosimetry, 2018, 179, 158-168.	0.8	22
41	An algorithm for automated modulation transfer function measurement using an edge of a PMMA phantom: Impact of field of view on spatial resolution of CT images. Journal of Applied Clinical Medical Physics, 2018, 19, 244-252.	1.9	27
42	THE SIZE-SPECIFIC DOSE ESTIMATE (SSDE) FOR TRUNCATED COMPUTED TOMOGRAPHY IMAGES. Radiation Protection Dosimetry, 2017, 175, 313-320.	0.8	29
43	The impact of patient table on size-specific dose estimate (SSDE). Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 153-158.	1.3	23
44	Automated Calculation of Water Equivalent Diameter (D_{W}) Based on AAPM Task Group 220. Journal of Applied Clinical Medical Physics, 2016, 17, 320-333.	1.9	64
45	New noise reduction method for reducing CT scan dose: Combining Wiener filtering and edge detection algorithm. AIP Conference Proceedings, 2015, , .	0.4	11
46	Automated Estimation of Patient's Size from 3D Image of Patient for Size Specific Dose Estimates (SSDE). Advanced Science, Engineering and Medicine, 2015, 7, 892-896.	0.3	16