

Freddy Haryanto

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

512
citations

758635

12
h-index

676716

22
g-index

32
all docs

32
docs citations

32
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	A virtual photon energy fluence model for Monte Carlo dose calculation. <i>Medical Physics</i> , 2003, 30, 301-311.	1.6	168
2	Automated Calculation of Waterâ€œEquivalent Diameter (D_{w}) Based on AAPM Task Group 220. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 320-333.	0.8	64
3	THE SIZE-SPECIFIC DOSE ESTIMATE (SSDE) FOR TRUNCATED COMPUTED TOMOGRAPHY IMAGES. <i>Radiation Protection Dosimetry</i> , 2017, 175, 313-320.	0.4	29
4	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. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 244-252.	0.8	27
5	The impact of patient table on size-specific dose estimate (SSDE). <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 153-158.	1.4	23
6	A SIMPLE METHOD FOR CALIBRATING PIXEL VALUES OF THE CT LOCALIZER RADIOGRAPH FOR CALCULATING WATER-EQUIVALENT DIAMETER AND SIZE-SPECIFIC DOSE ESTIMATE. <i>Radiation Protection Dosimetry</i> , 2018, 179, 158-168.	0.4	22
7	Automated classification of urinary stones based on microcomputed tomography images using convolutional neural network. <i>Physica Medica</i> , 2020, 78, 201-208.	0.4	21
8	Assessment of patient dose and noise level of clinical CT images: automated measurements. <i>Journal of Radiological Protection</i> , 2019, 39, 783-793.	0.6	20
9	Automated Estimation of Patient's Size from 3D Image of Patient for Size Specific Dose Estimates (SSDE). <i>Advanced Science, Engineering and Medicine</i> , 2015, 7, 892-896.	0.3	16
10	4D brain activity scanner using Electrical Capacitance Volume Tomography (ECVT)., 2013, , .		15
11	An evaluation of computed tomography dose index measurements using a pencil ionisation chamber and small detectors. <i>Journal of Radiological Protection</i> , 2019, 39, 112-124.	0.6	15
12	An improved method for automated calculation of the waterâ€œequivalent diameter for estimating sizeâ€œspecific dose in CT. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 313-323.	0.8	14
13	Automated MTF measurement in CT images with a simple wire phantom. <i>Polish Journal of Medical Physics and Engineering</i> , 2019, 25, 179-187.	0.2	12
14	New noise reduction method for reducing CT scan dose: Combining Wiener filtering and edge detection algorithm. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	11
15	Monte carlo model and output factors of Elekta infinityâ„¢ 6 and 10â€œMV photon beam. <i>Reports of Practical Oncology and Radiotherapy</i> , 2020, 25, 470-478.	0.3	11
16	Monte Carlo study on electron contamination and output factors of small field dosimetry in 6 MV photon beam. <i>Smart Science</i> , 2016, 4, 87-94.	1.9	8
17	Electron contamination for 6 MV photon beams from an Elekta linac: Monte Carlo simulation. <i>Journal of Physics and Its Applications</i> , 2020, 2, 97-101.	0.1	7
18	A SIMPLIFIED METHOD FOR THE WATER-EQUIVALENT DIAMETER CALCULATION TO ESTIMATE PATIENT DOSE IN CT EXAMINATIONS. <i>Radiation Protection Dosimetry</i> , 2019, 185, 34-41.	0.4	6

#	ARTICLE	IF	CITATIONS
19	An Improved Method of Automated Noise Measurement System in CT Images. Journal of Biomedical Physics and Engineering, 2021, 11, 163-174.	0.5	5
20	EGSnrc application for IMRT planning. Reports of Practical Oncology and Radiotherapy, 2020, 25, 217-226.	0.3	4
21	Commissioning of a Varian Clinac iX 6 MV photon beam using Monte Carlo simulation. AIP Conference Proceedings, 2015, , .	0.3	3
22	The Preliminary Study Of Giant Magnetoresistance Sensor For Detection Of Oxygen In Human Blood. , 2010, , .		2
23	Synthesis of gadolinium carbonate-conjugated-poly(ethylene)glycol (Gd ₂ (CO ₃) ₃ @PEG) particles via a modified solvothermal method. AIP Conference Proceedings, 2016, , .	0.3	2
24	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.	0.5	2
25	Development of a computational phantom for validation of automated noise measurement in CT images. Biomedical Physics and Engineering Express, 2020, 6, 065001.	0.6	2
26	Could Water Replace Muscle Tissue Used in Electron and Photon Beams?: A Monte Carlo Study. , 2018, , .		1
27	Effects of carbon substitution on electronic properties of the ultra-small boron nitride nanotube using density functional theory. Computational Condensed Matter, 2020, 22, e00442.	0.9	1
28	Study of efficiency in five-field and in-field-by-field intensity modulated radiation therapy (IMRT) plan using DOSXYZnrc Monte Carlo code. Reports of Practical Oncology and Radiotherapy, 2020, 25, 428-435.	0.3	1
29	Simulation Of Human Body Radiation Using Phantom Model On Beam±nrc And Verification On Dosxyz±nrc. , 2010, , .		0
30	Study on the Effect of Energy Parameter of Electron on the Percentage Depth Dose of Electron Beam Using Monte Carlo Method. , 2010, , .		0
31	Study on efficiency of time computation in x-ray imaging simulation base on Monte Carlo algorithm using graphics processing unit. AIP Conference Proceedings, 2016, , .	0.3	0
32	Preliminary investigation of boron nitride nanotubes as an active material of sunblock. Journal of Physics: Conference Series, 2021, 1876, 012007.	0.3	0