

Mohd Zahri Abdul Aziz

List of Publications by Year in descending order

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35
papers

110
citations

1683934

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h-index

1474057

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35
all docs

35
docs citations

35
times ranked

45
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of clay-shielding material for low-energy photons (Gamma/X). Nuclear Engineering and Technology, 2019, 51, 1633-1637.	1.1	20
2	Measurement of radiation attenuation parameters of modified defatted soy flour soy protein isolate-based mangrove wood particleboards to be used for CT phantom production. Radiation and Environmental Biophysics, 2020, 59, 483-501.	0.6	10
3	Characterization of Rhizophora SPP. particleboards with SOY protein isolate modified with NaOH/IA-PAE adhesive for use as phantom material at photon energies of 16.59-25.26 keV. Nuclear Engineering and Technology, 2021, 53, 216-233.	1.1	10
4	Rhizophora spp. Particleboards incorporating defatted soy flour bonded with NaOH/IA-PAE: Towards a water equivalent phantom material. Radiation Physics and Chemistry, 2020, 176, 109057.	1.4	7
5	Rhizophora spp. as potential phantom material in medical physics applications A review. Radiation Physics and Chemistry, 2021, 189, 109731.	1.4	6
6	Advanced thermoluminescence dosimetric characterization of fabricated Ge-Doped optical fibres (FGDOFs) for electron beams dosimetry. Radiation Physics and Chemistry, 2020, 166, 108487.	1.4	5
7	Dosimetric Comparison between Monaco TPS and EGSnrc Monte Carlo simulation on Titanium Rod in 12bit and 16bit Image Format. Journal of Radiation Research and Applied Sciences, 2020, 13, 496-506.	0.7	5
8	Metal artefact correction algorithm based-on DSAT technique for CT images. , 2014, , .		4
9	Effects of density from various hip prosthesis materials on 6 MV photon beam: a Monte Carlo study. Journal of Radiotherapy in Practice, 2017, 16, 155-160.	0.2	4
10	Determination of computed tomography number of high-density materials in 12-bit, 12-bit extended and 16-bit depth for dosimetric calculation in treatment planning system. Journal of Radiotherapy in Practice, 2019, 18, 285-294.	0.2	4
11	Monte Carlo simulation of X-ray room shielding in diagnostic radiology using PHITS code. Journal of Radiation Research and Applied Sciences, 2020, 13, 704-713.	0.7	4
12	Monte carlo dose calculation in dental amalgam phantom. Journal of Medical Physics, 2015, 40, 150.	0.1	4
13	Study on the shielding materials for low-energy gamma sources. IOP Conference Series: Materials Science and Engineering, 2020, 785, 012007.	0.3	3
14	Influence of Different Percentages of Binders on the Physico-Mechanical Properties of Rhizophora spp. Particleboard as Natural-Based Tissue-Equivalent Phantom for Radiation Dosimetry Applications. Polymers, 2021, 13, 1868.	2.0	3
15	Thermoluminescence Dosimetric Characteristics of Fabricated Germanium (Ge) Doped Optical Fibres for Electron Beams Dosimetry: A Preliminary Study. Sains Malaysiana, 2020, 49, 1981-1985.	0.3	3
16	Calculation of attenuation parameter for Ir-192 gamma source in shielding materials. Journal of Medical Physics, 2022, 47, 34.	0.1	3
17	Optimisation of 12 MeV electron beam simulation using variance reduction technique. Journal of Physics: Conference Series, 2017, 851, 012031.	0.3	2
18	Mass attenuation coefficients of several bio-adhesive based oil palm particleboards at 16.59-25.26 keV photon energies. IOP Conference Series: Materials Science and Engineering, 2018, 298, 012020.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Characterization of soy-lignin bonded Rhizophora spp. particleboard as substitute phantom material for radiation dosimetric studies – Investigation of CT number, mass attenuation coefficient and effective atomic number. Applied Radiation and Isotopes, 2021, 170, 109601.	0.7	2
20	Variation of optimization techniques for high dose rate brachytherapy in cervical cancer treatment. Nuclear Engineering and Technology, 2022, 54, 1414-1420.	1.1	2
21	A comparative photon shielding properties of protective Window materials by using EGS5 code. IOP Conference Series: Materials Science and Engineering, 2022, 1231, 012006.	0.3	2
22	Evaluation of Two Sinogram Interpolation Methods for Metal Artefacts Reduction in Computed Tomography. , 2018, , .		1
23	Low-energy X-ray attenuation characteristics of Rhizophora spp. composites. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	1.3	1
24	POTENTIAL OF RHIZOPHORA SPP PARTICLEBOARD TREATED WITH SOY FLOUR AS WATER EQUIVALENT MATERIAL. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	1
25	Mechanical Enhancement of Composite Bricks Using Kenaf and Oil Palm Cellulose Nanofibrils. Key Engineering Materials, 0, 908, 651-657.	0.4	1
26	Evaluation of scattering effects for radiation shielding or filter materials by using Monte Carlo simulation. IOP Conference Series: Materials Science and Engineering, 2022, 1231, 012007.	0.3	1
27	Definitive radiotherapy for locally advanced squamous cell carcinoma of the vulva and technical issues: a case report. Journal of Physics: Conference Series, 2017, 851, 012041.	0.3	0
28	Verification of relative output factor measurement using Gafchromic films for small-field radiosurgery photon beams.. IOP Conference Series: Materials Science and Engineering, 2018, 298, 012022.	0.3	0
29	Calculation of dose distribution on Rhizophora spp soy protein phantom at 6 MV photon beam energy using Monte Carlo method. Journal of Fundamental and Applied Sciences, 2018, 9, 246.	0.2	0
30	FRCR Physics MCQs in Clinical Radiology. , 2019, , .		0
31	Photon mass attenuation coefficients, effective atomic numbers, CT numbers and density profiles of cured DSF-SPC-based Rhizophora spp. particleboard phantoms coupled with NaOH/IA-PAE at different concentrations. Journal of Physics: Conference Series, 2020, 1497, 012001.	0.3	0
32	Mass attenuation coefficients, CT numbers and density profiles of soy protein concentrate-based Rhizophora spp. particleboards enhanced by NaOH/IA-PAE. AIP Conference Proceedings, 2021, , .	0.3	0
33	Palliative brachytherapy to axilla and hypopharynx in elderly patient with hypopharyngeal squamous cell carcinoma - case report. Reports of Practical Oncology and Radiotherapy, 2021, 26, 647-653.	0.3	0
34	Lateral wedge with medial only cardiac shielding (LEMONADE) technique in left chest wall adjuvant radiotherapy. Reports of Practical Oncology and Radiotherapy, 2021, 26, 892-898.	0.3	0
35	Development and dosimetric evaluation of the IMRT prostate at outside-the-irradiated field in a heterogeneity male pelvis phantom. Journal of Radiotherapy in Practice, 0, , 1-7.	0.2	0