

Abdulsalam Alhawsawi

List of Publications by Year in descending order

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20
papers

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1478505

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#	ARTICLE	IF	CITATIONS
1	A Simulation Analysis for Thermal Neutron Applications of ABS 3D Printing Filament Doped with Nanoparticles. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 795-799.	3.0	1
2	Prompt gamma-ray methods for industrial process evaluation: A simulation study. <i>Nukleonika</i> , 2022, 67, 11-18.	0.8	0
3	Factors controlling groundwater radioactivity in arid environments: An automated machine learning approach. <i>Science of the Total Environment</i> , 2022, 830, 154707.	8.0	10
4	Bending and Buckling of FG-GRNC Laminated Plates via Quasi-3D Nonlocal Strain Gradient Theory. <i>Mathematics</i> , 2022, 10, 1321.	2.2	20
5	Utilization of an energy-resolving detection system for mammography applications: A preliminary study. <i>Nukleonika</i> , 2022, 67, 35-40.	0.8	0
6	Position Sensing in CdZnTe Semiconductor Detectors via Proximity Charge Sensing Pixels. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 687-696.	3.0	0
7	Radiological characterization of the phosphate deposit in Al-Jalamid phosphate mining area, Saudi Arabia. <i>Nukleonika</i> , 2021, 66, 35-44.	0.8	1
8	A virtual laboratory for radiotracer and sealed-source applications in industry. <i>Nukleonika</i> , 2021, 66, 21-27.	0.8	0
9	ESTIMATION OF THERMAL & EPITHERMAL NEUTRON FLUX AND GAMMA DOSE DISTRIBUTION IN A MEDICAL CYCLOTRON FACILITY FOR RADIATION PROTECTION PURPOSES USING GOLD FOILS AND GATE 9. <i>Radiation Protection Dosimetry</i> , 2021, 193, 176-184.	0.8	2
10	Estimation of Dose Enhancement for Inhomogeneous Distribution of Nanoparticles: A Monte Carlo Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4900.	2.5	1
11	Production of actinium-225 from a (n,p) reaction: Feasibility and pre-design studies. <i>Nukleonika</i> , 2021, 66, 61-67.	0.8	1
12	Binary nickel and silver oxides by thermal route: preparation and characterization. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	3
13	The Effect of Precursor Concentration on the Particle Size, Crystal Size, and Optical Energy Gap of CexSn1-xO2 Nanofabrication. <i>Nanomaterials</i> , 2021, 11, 2143.	4.1	9
14	A review on preparation and characterization of silver/nickel oxide nanostructures and their applications. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	2
15	An Integrated Approach to the Realization of Saudi Arabia's Energy Sustainability. <i>Sustainability</i> , 2021, 13, 205.	3.2	2
16	Simulation of Coplanar Proximity Charge Sensing Electrodes in CZT Detectors. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 4949-4957.	3.0	1
17	A Compton-suppressed Phoswich detector for gamma spectroscopy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 63-68.	1.5	8
18	A Phoswich Detector With Compton Suppression Capability for Radioxenon Measurements. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 456-464.	2.0	23

#	ARTICLE	IF	CITATIONS
19	Small Prototype Gamma Spectrometer Using CsI(Tl) Scintillator Coupled to a Solid-State Photomultiplier. IEEE Transactions on Nuclear Science, 2013, 60, 968-972.	2.0	9
20	Exposure Determination in Gamma-Ray Radiography for Mammography Applications. Arabian Journal for Science and Engineering, 0, , .	3.0	1