

Fouad A Abolaban

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

225
citations

1162889

8
h-index

1058333

14
g-index

33
all docs

33
docs citations

33
times ranked

152
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of ZnO and Ag-doped ZnO nanoparticles using Azadirachta indica leaves: Characterization and their potential antibacterial, antidiabetic, and wound-healing activities. Materials Letters, 2021, 305, 130671.	1.3	37
2	An evolutionary inspection game with labour unions on small-world networks. Scientific Reports, 2015, 5, 8881.	1.6	31
3	Electrical and Dielectric Properties of the Natural Calcite and Quartz. Silicon, 2022, 14, 5265-5276.	1.8	25
4	Maximum \$ H \$-index of bipartite network with some given parameters. AIMS Mathematics, 2021, 6, 5165-5175.	0.7	19
5	Electrical and Dielectric Properties of Composites Composed of Natural Quartz with Aluminum. Silicon, 2022, 14, 9517-9531.	1.8	15
6	Neutronic performance of fully ceramic microencapsulated of uranium oxycarbide and uranium nitride composite fuel in SMR. Annals of Nuclear Energy, 2021, 155, 108152.	0.9	11
7	Risk estimation of the low-dose fast neutrons on the molecular structure of the lipids of peripheral blood mononuclear cells. Biochemical and Biophysical Research Communications, 2020, 533, 1048-1053.	1.0	11
8	Spectroscopic study of the effect of low dose fast neutrons on the hemoglobin structure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120082.	2.0	10
9	Eye lens and thyroid gland radiation exposure for patients undergoing brain computed tomography examination. Saudi Journal of Biological Sciences, 2021, 28, 342-346.	1.8	9
10	Gamma irradiation-mediated inactivation of enveloped viruses with conservation of genome integrity: Potential application for SARS-CoV-2 inactivated vaccine development. Open Life Sciences, 2021, 16, 558-570.	0.6	8
11	Representation and illustration of the initial parameters in GATE 8.1 monte carlo simulation of an Elekta Versa-HD linear accelerator. Journal of Radiation Research and Applied Sciences, 2020, 13, 642-647.	0.7	6
12	EVALUATION OF ANNUAL RADIATION EXPOSURE OF STAFF IN A CARDIAC CATHETERIZATION DEPARTMENT IN SAUDI ARABIA. Radiation Protection Dosimetry, 2021, 195, 314-318.	0.4	6
13	Dosimetric and radiobiological comparison in head-and-neck radiotherapy using JO-IMRT and 3D-CRT. Saudi Journal of Biological Sciences, 2022, 29, 103336.	1.8	6
14	Radiation dose homogeneity and critical organs in radiotherapy treatment of prostate cancer. Radiation Physics and Chemistry, 2021, 178, 109000.	1.4	5
15	Computation of Vertex-Edge Degree Based Topological Descriptors for Metal Trihalides Network. IEEE Access, 2021, 9, 65330-65339.	2.6	4
16	A wrapper-based feature selection approach to investigate potential biomarkers for early detection of breast cancer. Journal of Radiation Research and Applied Sciences, 2022, 15, 104-110.	0.7	4
17	Band gap tailoring of hydrothermally synthesized WS ₂ nanoparticles by the sulfurization time duration. Ceramics International, 2021, 47, 25381-25386.	2.3	3
18	Sensing mammographic density using single-sided portable Nuclear Magnetic Resonance. Saudi Journal of Biological Sciences, 2022, 29, 2447-2454.	1.8	3

#	ARTICLE	IF	CITATIONS
19	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. Radiation Protection Dosimetry, 2021, 193, 176-184.	0.4	2
20	ASSESSMENT OF PATIENT'S RADIATION EXPOSURES RESULTED FROM PET/CT 18F-FCH AND 68GA-PSMA PROCEDURES. Radiation Protection Dosimetry, 2021, 195, 349-354.	0.4	2
21	Regression Analysis of Rectal Cancer and Possible Application of Artificial Intelligence (AI) Utilization in Radiotherapy. Applied Sciences (Switzerland), 2022, 12, 725.	1.3	2
22	A Monte Carlo study on the effect of nanoparticle shapes on dose enhancement and distribution using ¹⁹⁷ Au and ¹⁹⁵ Pt. Journal of Radiation Research and Applied Sciences, 2020, 13, 698-703.	0.7	1
23	Simulation of Coplanar Proximity Charge Sensing Electrodes in CZT Detectors. Arabian Journal for Science and Engineering, 2020, 45, 4949-4957.	1.7	1
24	Optimisation of T2 and T2* sequences in MRI for better quantification of iron on transfused dependent sickle cell patients. Scientific Reports, 2021, 11, 8513.	1.6	1
25	Estimation of Dose Enhancement for Inhomogeneous Distribution of Nanoparticles: A Monte Carlo Study. Applied Sciences (Switzerland), 2021, 11, 4900.	1.3	1
26	Production of actinium-225 from a (n,p) reaction: Feasibility and pre-design studies. Nukleonika, 2021, 66, 61-67.	0.3	1
27	On Vertex-Edge-Degree Topological Descriptors for Certain Crystal Networks. Computer Systems Science and Engineering, 2022, 40, 835-850.	1.9	1
28	Intraoperative Gamma Probe for Locating Cancerous Lymph Nodes. Arabian Journal for Science and Engineering, 2021, 46, 713-719.	1.7	0
29	Position Sensing in CdZnTe Semiconductor Detectors via Proximity Charge Sensing Pixels. Arabian Journal for Science and Engineering, 2021, 46, 687-696.	1.7	0
30	Modeling Dysentery Diarrhea Using Statistical Period Prevalence. CMES - Computer Modeling in Engineering and Sciences, 2021, 128, 183-201.	0.8	0
31	Analysis of SMART reactor core with uranium mononitride for prolonged fuel cycle using OpenMC. Kerntechnik, 2022, 87, 82-90.	0.2	0