

Elsayed K Elmaghraby

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

525
citations

11
h-index

20
g-index

56
ext. papers

605
ext. citations

1.9
avg, IF

4.53
L-index

#	Paper	IF	Citations
51	Characterization of nickel oxide films deposited at different substrate temperatures using spray pyrolysis. <i>Journal of Crystal Growth</i> , 2004 , 262, 424-434	1.6	108
50	The electrochromic behavior of nickel oxide films sprayed at different preparative conditions. <i>Thin Solid Films</i> , 2005 , 483, 330-339	2.2	81
49	Photoluminescence of gamma-radiation induced defect on poly allyl diglycol carbonates. <i>Journal of Luminescence</i> , 2012 , 132, 119-121	3.8	23
48	Removal of radioactive cesium and europium from aqueous solutions using activated Al ₂ O ₃ prepared by solution combustion. <i>Materials Chemistry and Physics</i> , 2019 , 234, 55-66	4.4	15
47	Preparation of graphite by thermal annealing of polyacrylamide precursor for adsorption of Cs(I) and Co(II) ions from aqueous solutions. <i>Canadian Journal of Chemistry</i> , 2012 , 90, 843-850	0.9	15
46	Experimental investigation and nuclear model calculations on proton-induced reactions on highly enriched ¹¹⁴ Cd at low energies. <i>Applied Radiation and Isotopes</i> , 2006 , 64, 1655-60	1.7	15
45	Investigation of epi-thermal shape-parameter needed for precision analysis of activation. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	14
44	Production of the mercury-197 through proton induced reaction on gold. <i>Applied Radiation and Isotopes</i> , 2010 , 68, 1694-8	1.7	14
43	Physical and chemical characteristics of hematite nanoparticles prepared using microwave-assisted synthesis and its application as adsorbent for Cu, Ni, Co, Cd and Pb from aqueous solution. <i>Materials Chemistry and Physics</i> , 2019 , 235, 121771	4.4	12
42	Investigation of the fluorescence emitted from polyallyl diglycol carbonate modified by gamma-ray radiation excited by UV radiation. <i>Radiation Effects and Defects in Solids</i> , 2010 , 165, 321-328	0.9	12
41	Radiation dose estimation of sand samples collected from different Egyptian beaches. <i>Radiation Protection Dosimetry</i> , 2011 , 147, 533-40	0.9	11
40	Role of isomeric state formation on the measurement of thermal neutron cross section and resonance integral. <i>Physica Scripta</i> , 2019 , 94, 015301	2.6	11
39	Retention behavior of cesium radioisotope on poly (acrylamido-sulfonic acid) synthesized by chain polymerization. <i>Applied Radiation and Isotopes</i> , 2019 , 146, 40-47	1.7	10
38	Initial exciton configuration in (p,n) pre-equilibrium emission reactions. <i>Physical Review C</i> , 2008 , 78,	2.7	10
37	Development of granular radioactive reference source from ^{152,154} Eu adsorbed on tin tungstate matrix. <i>Radiochimica Acta</i> , 2018 , 106, 685-694	1.9	10
36	Resonant neutron-induced atomic displacements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 398, 42-47	1.2	9
35	Experimental investigation and nuclear model calculations for proton induced reactions on indium around thresholds. <i>Nuclear Physics A</i> , 2019 , 984, 112-132	1.3	9

34	Internal efficiency calibration for bulk samples using a peak-by-peak cascade technique. <i>International Journal of Nuclear Energy Science and Technology</i> , 2016 , 10, 234	0.4	9
33	Reevaluation of the neutron emission probabilities from ²⁴¹ AmBe neutron source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 942, 162387	1.2	9
32	Determination of isotopes activity ratio using gamma ray spectroscopy based on neural network model. <i>Applied Radiation and Isotopes</i> , 2019 , 148, 19-26	1.7	8
31	PHASE-OTI: A pre-equilibrium model code for nuclear reactions calculations. <i>Computer Physics Communications</i> , 2009 , 180, 1694-1699	4.2	8
30	Systematics of the (p,n) excitation functions belonged to several isotopes at energies . <i>Annals of Nuclear Energy</i> , 2009 , 36, 1070-1075	1.7	8
29	Approximate processing of the level-level interference in an R-matrix formalism. <i>Physica Scripta</i> , 2019 , 94, 065301	2.6	7
28	Structural alterations of polycarbonate/PBT by gamma irradiation for high technology applications. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 443-457	2	7
27	Redox sorption of Ce(III)/Ce(IV) on potassium bismuthate. <i>Radiochimica Acta</i> , 2018 , 106, 831-842	1.9	7
26	Investigation of the proton induced reactions on tin at low energies. <i>Applied Radiation and Isotopes</i> , 2009 , 67, 147-51	1.7	7
25	Thermophysical properties and reaction kinetics of γ irradiated poly allyl diglycol carbonates nuclear track detector. <i>Radiation Effects and Defects in Solids</i> , 2015 , 170, 621-629	0.9	6
24	High gamma-ray dose measurement using nuclear track detector. <i>Radiation Protection Dosimetry</i> , 2010 , 140, 218-22	0.9	6
23	Differentiation between earthquake radon anomalies and those arising from nuclear activities. <i>Applied Radiation and Isotopes</i> , 2009 , 67, 208-11	1.7	6
22	Correspondence and difference between gamma-ray and neutron irradiation effects on organic materials in marine environment. <i>Egyptian Journal of Aquatic Biology and Fisheries</i> , 2019 , 23, 1-16	1.9	6
21	Integral cross section of isomeric state formation in (neutron,nucleon) reactions using an Am-Be source. <i>Applied Radiation and Isotopes</i> , 2020 , 165, 109340	1.7	6
20	Experimental determination of the fission-neutron fluence-to-dose conversion factor. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 949, 162889	1.2	6
19	Breeding behavior of radiation-induced effects in organic materials and their possible use as radiation dosimeters. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 150, 109814	3.9	6
18	The physical structure and surface reactivity of graphene oxide. <i>Diamond and Related Materials</i> , 2020 , 101, 107613	3.5	5
17	Preparation and characterization of jarosite nanorods synthesized by microwave hydrothermal method. <i>Materials Chemistry and Physics</i> , 2020 , 256, 123654	4.4	5

16	Detection and interference of fission-neutron reactions on third period elements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 471, 63-68	1.2	4
15	Determination of $^{238}\text{U}(n, \gamma)$ and $^{238}\text{U}(n, f)$ reactions cross-section in the neutron emission spectrum of ^{241}Am -Be source. <i>Physica Scripta</i> , 2021 , 96, 045304	2.6	4
14	Experimental determination of effective density of Al_2O_3 -SiC-ZrO ₂ ceramics porous phase using gamma-ray attenuation. <i>International Journal of Nuclear Energy Science and Technology</i> , 2017 , 11, 163	0.4	3
13	On the Quantum Statistical Distributions Describing Finite Fermions and Bosons Systems. <i>Journal of Modern Physics</i> , 2011 , 02, 1242-1246	0.5	3
12	Photoluminescence of irradiation induced defects on CR-39. <i>Philosophical Magazine</i> , 2008 , 88, 2945-2951	1.6	2
11	The surface and bulk properties of CuO ribbons and ZnO particles mixture using physical adsorption and gamma ray attenuation techniques. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2021 , 52, 74-87	0.9	2
10	Radon exhalation and transfer processes in aqueous media. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	2
9	- Radiation Interaction with Matter: An Approach at the Nanometer Scale 2016 , 422-441		1
8	Optical Characterization of $(\text{CdO})_x(\text{ZnO})_{1-x}$ Composite by Spray Pyrolysis Technique. <i>Acta Physica Polonica A</i> , 2014 , 125, 82-86	0.6	1
7	Experimental yield and evaluation of proton induced reactions for neutron production and synthesis of beryllium-7 using lithium compounds as target material. <i>Applied Radiation and Isotopes</i> , 2020 , 155, 108947	1.7	1
6	Neutron-induced mass shift of tin isotopes recognized using inductively coupled plasma mass spectrometry as an isotopic fingerprint on neutron reactions. <i>Applied Radiation and Isotopes</i> , 2021 , 176, 109872	1.7	1
5	Investigation of the reactor high neutron flux effects on the physical and chemical characteristics of polymeric material. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019 , 461, 210-218	1.2	0
4	The influence of gamma radiation on organic compounds having carbon ring and its application in dosimetry. <i>Radiochimica Acta</i> , 2021 , 109, 407-418	1.9	0
3	Thermal/Fast Fission Yield Ratio Signature for Neutron Interrogation of Nuclear Materials. <i>Physics of Particles and Nuclei Letters</i> , 2022 , 19, 152-161	0.5	0
2	Radioactivity risk associated with the handling of compact fluorescent lamps. <i>Radiation Protection Dosimetry</i> , 2012 , 151, 391-5	0.9	
1	Isotope signature and elemental characteristics of subsurface formations around deep-laying coal seams probed by means of atomic and nuclear-based techniques.. <i>Chemosphere</i> , 2022 , 134969	8.4	