

# Elsayed K Elmaghraby

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

688  
citations

623734  
14  
h-index

610901  
24  
g-index

56  
all docs

56  
docs citations

56  
times ranked

507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of nickel oxide films deposited at different substrate temperatures using spray pyrolysis. <i>Journal of Crystal Growth</i> , 2004, 262, 424-434.	1.5	120
2	The electrochromic behavior of nickel oxide films sprayed at different preparative conditions. <i>Thin Solid Films</i> , 2005, 483, 330-339.	1.8	87
3	Removal of radioactive cesium and europium from aqueous solutions using activated Al <sub>2</sub> O <sub>3</sub> prepared by solution combustion. <i>Materials Chemistry and Physics</i> , 2019, 234, 55-66.	4.0	28
4	Photoluminescence of gamma-radiation induced defect on poly allyl diglycol carbonates. <i>Journal of Luminescence</i> , 2012, 132, 119-121.	3.1	26
5	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.	1.1	23
6	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.	4.0	21
7	Production of the mercury-197 through proton induced reaction on gold. <i>Applied Radiation and Isotopes</i> , 2010, 68, 1694-1698.	1.5	19
8	Retention behavior of cesium radioisotope on poly (acrylamido-sulfonic acid) synthesized by chain polymerization. <i>Applied Radiation and Isotopes</i> , 2019, 146, 40-47.	1.5	19
9	Investigation of epi-thermal shape-parameter needed for precision analysis of activation. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	18
10	Experimental investigation and nuclear model calculations on proton-induced reactions on highly enriched <sup>114</sup> Cd at low energies. <i>Applied Radiation and Isotopes</i> , 2006, 64, 1655-1660.	1.5	17
11	Role of isomeric state formation on the measurement of thermal neutron cross section and resonance integral. <i>Physica Scripta</i> , 2019, 94, 015301.	2.5	17
12	Reevaluation of the neutron emission probabilities from <sup>241</sup> Am-Be neutron source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 942, 162387.	1.6	16
13	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.	1.2	15
14	Experimental investigation and nuclear model calculations for proton induced reactions on indium around thresholds. <i>Nuclear Physics A</i> , 2019, 984, 112-132.	1.5	15
15	Radiation dose estimation of sand samples collected from different Egyptian beaches. <i>Radiation Protection Dosimetry</i> , 2011, 147, 533-540.	0.8	14
16	Resonant neutron-induced atomic displacements. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2017, 398, 42-47.	1.4	14
17	Determination of isotopes activity ratio using gamma ray spectroscopy based on neural network model. <i>Applied Radiation and Isotopes</i> , 2019, 148, 19-26.	1.5	14
18	Preparation and characterization of jarosite nanorods synthesized by microwave hydrothermal method. <i>Materials Chemistry and Physics</i> , 2020, 256, 123654.	4.0	12

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19	Internal efficiency calibration for bulk samples using a peak-by-peak cascade technique. International Journal of Nuclear Energy Science and Technology, 2016, 10, 234.	0.0	11
20	Initial exciton configuration in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mrow}\langle \text{mml:mo stretchy="false"}\rangle(\langle \text{mml:mo}\langle \text{mml:mi}p\langle \text{mml:mi}\langle \text{mml:mo}\rangle,\langle \text{mml:mo}\langle \text{mml:mi}n\langle \text{mml:mi}\langle \text{mml:mo}\rangle \text{Tj ETQq000 rgBT00 Overlock}$ Review C, 2008, 78, .	0.0	10
21	Structural alterations of polycarbonate/PBT by gamma irradiation for high technology applications. Journal of Adhesion Science and Technology, 2016, 30, 443-457.	2.6	10
22	Development of granular radioactive reference source from $^{152,154}\text{Eu}$ adsorbed on tin tungstate matrix. Radiochimica Acta, 2018, 106, 685-694.	1.2	10
23	Approximate processing of the levelâ€level interference in an R-matrix formalism. Physica Scripta, 2019, 94, 065301.	2.5	10
24	Integral cross section of isomeric state formation in (neutron,nucleon) reactions using an Amâ€Be source. Applied Radiation and Isotopes, 2020, 165, 109340.	1.5	10
25	Breeding behavior of radiation-induced effects in organic materials and their possible use as radiation dosimeters. Journal of Physics and Chemistry of Solids, 2021, 150, 109814.	4.0	10
26	Determination of $^{238}\text{U}(n, \hat{\beta})$ and $^{238}\text{U}(n, f)$ reactions cross-section in the neutron emission spectrum of $^{241}\text{Am}$ -Be source. Physica Scripta, 2021, 96, 045304.	2.5	9
27	PHASE-OTI: A pre-equilibrium model code for nuclear reactions calculations. Computer Physics Communications, 2009, 180, 1694-1699.	7.5	8
28	Investigation of the proton induced reactions on tin at low energies. Applied Radiation and Isotopes, 2009, 67, 147-151.	1.5	8
29	Systematics of the (p,n) excitation functions belonged to several isotopes at energies <60MeV. Annals of Nuclear Energy, 2009, 36, 1070-1075.	1.8	8
30	Redox sorption of Ce(III)/Ce(IV) on potassium bismuthate. Radiochimica Acta, 2018, 106, 831-842.	1.2	8
31	Experimental determination of the fission-neutron fluence-to-dose conversion factor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 949, 162889.	1.6	8
32	High gamma-ray dose measurement using nuclear track detector. Radiation Protection Dosimetry, 2010, 140, 218-222.	0.8	7
33	Thermophysical properties and reaction kinetics of $\beta$ -irradiated poly allyl diglycol carbonates nuclear track detector. Radiation Effects and Defects in Solids, 2015, 170, 621-629.	1.2	7
34	The physical structure and surface reactivity of graphene oxide. Diamond and Related Materials, 2020, 101, 107613.	3.9	7
35	Detection and interference of fission-neutron reactions on third period elements. Nuclear Instruments & Methods in Physics Research B, 2020, 471, 63-68.	1.4	7
36	Correspondence and difference between gamma-ray and neutron irradiation effects on organic materials in marine environment. Egyptian Journal of Aquatic Biology and Fisheries, 2019, 23, 1-16.	0.4	7

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37	Differentiation between earthquake radon anomalies and those arising from nuclear activities. Applied Radiation and Isotopes, 2009, 67, 208-211.	1.5	6
38	Photoluminescence of irradiation induced defects on CR-39. Philosophical Magazine, 2008, 88, 2945-2951.	1.6	4
39	The influence of gamma radiation on organic compounds having carbon ring and its application in dosimetry. Radiochimica Acta, 2021, 109, 407-418.	1.2	4
40	On the Quantum Statistical Distributions Describing Finite Fermions and Bosons Systems. Journal of Modern Physics, 2011, 02, 1242-1246.	0.6	3
41	Experimental determination of effective density of Al <sub>2</sub> O <sub>3</sub> -SiC-ZrO <sub>2</sub> ceramics porous phase using gamma-ray attenuation. International Journal of Nuclear Energy Science and Technology, 2017, 11, 163.	0.0	3
42	Experimental yield and evaluation of proton induced reactions for neutron production and synthesis of beryllium-7 using lithium compounds as target material. Applied Radiation and Isotopes, 2020, 155, 108947.	1.5	3
43	The surface and bulk properties of CuO ribbons and ZnO particles mixture using physical adsorption and gamma ray attenuation techniques. Materialwissenschaft Und Werkstofftechnik, 2021, 52, 74-87.	0.9	3
44	Radon exhalation and transfer processes in aqueous media. European Physical Journal Plus, 2021, 136, 1.	2.6	3
45	Optical Characterization of (CdO) <sub>x</sub> (ZnO) <sub>1-x</sub> Composite by Spray Pyrolysis Technique. Acta Physica Polonica A, 2014, 125, 82-86.	0.5	2
46	Neutron-induced mass shift of tin isotopes recognized using inductively coupled plasma mass spectrometry as an isotopic fingerprint on neutron reactions. Applied Radiation and Isotopes, 2021, 176, 109872.	1.5	2
47	- Radiation Interaction with Matter: An Approach at the Nanometer Scale. , 2016, , 422-441.		1
48	Investigation of the reactor's high neutron flux effects on the physical and chemical characteristics of polymeric material. Nuclear Instruments & Methods in Physics Research B, 2019, 461, 210-218.	1.4	1
49	Investigations on the Migration of Radiation-Induced Compounds in Polymeric Nuclear Track Detectors. Arab Journal of Nuclear Sciences and Applications, 2018, .	0.1	1
50	Multiscale time-bin analysis of delayed gamma-ray spectra of fission products. Physica Scripta, 0, , .	2.5	1
51	Thermal/Fast Fission Yield Ratio Signature for Neutron Interrogation of Nuclear Materials. Physics of Particles and Nuclei Letters, 2022, 19, 152-161.	0.4	1
52	Radioactivity risk associated with the handling of compact fluorescent lamps. Radiation Protection Dosimetry, 2012, 151, 391-395.	0.8	0
53	Total Reaction Cross Section for $^{12}\text{C}$ from Low to High Energies. Quantum Matter, 2013, 2, 449-454.	0.2	0
54	Experimental determination of effective density of Al <sub>2</sub> O <sub>3</sub> -SiC-ZrO <sub>2</sub> ceramics porous phase using gamma-ray attenuation. International Journal of Nuclear Energy Science and Technology, 2017, 11, 163.	0.0	0

#	ARTICLE	IF	CITATIONS
55	Isotope signature and elemental characteristics of subsurface formations around deep-laying coal seams probed by means of atomic and nuclear-based techniques. Chemosphere, 2022, , 134969.	8.2	0