

# Saad Abdelaal

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

174  
citations

1163117

8  
h-index

1125743

13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating wettability and optical properties of PADC polymer irradiated by low energy Ar ions. <i>Surface and Coatings Technology</i> , 2014, 253, 249-254.	4.8	24
2	Comparative studies on PADC polymeric detector treated by gamma radiation and Ar ion beam. <i>Applied Surface Science</i> , 2016, 371, 596-606.	6.1	21
3	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
4	PLASMA-ETCHING AND MODIFICATION OF POLYETHYLENE FOR IMPROVED SURFACE STRUCTURE, WETTABILITY AND OPTICAL BEHAVIOR. <i>Surface Review and Letters</i> , 2019, 26, 1850220.	1.1	15
5	Preparation and characterization of jarosite nanorods synthesized by microwave hydrothermal method. <i>Materials Chemistry and Physics</i> , 2020, 256, 123654.	4.0	12
6	Irradiation influence on Mylar and Makrofol induced by argon ions in a plasma immersion ion implantation system. <i>Applied Surface Science</i> , 2015, 347, 784-792.	6.1	10
7	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.	4.0	10
8	Studying electron-beam-irradiated PET surface wetting and free energy. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 322, 48-53.	1.4	9
9	Neutron-induced modifications on Hostaphan and Makrofol wettability and etching behaviors. <i>Radiation Physics and Chemistry</i> , 2017, 133, 9-20.	2.8	8
10	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.	1.6	8
11	Optical and chemical behaviors of CR-39 and Makrofol plastics under low-energy electron beam irradiation. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 076401.	1.5	7
12	The physical structure and surface reactivity of graphene oxide. <i>Diamond and Related Materials</i> , 2020, 101, 107613.	3.9	7
13	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.	0.4	7
14	The influence of gamma radiation on organic compounds having carbon ring and its application in dosimetry. <i>Radiochimica Acta</i> , 2021, 109, 407-418.	1.2	4
15	Quantitative Analysis of Lead, Cadmium, Heavy Metals and Other Toxic Elements in Some Human Breast Milk samples. <i>Asian Journal of Chemistry</i> , 2015, 27, 4443-4448.	0.3	3
16	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.	1.5	3
17	Optical response of a thermally treated polyallyl diglycol carbonate (PADC) polymer to gamma ray exposure: Prospects of a new approach in gamma ray dose estimation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> . 2020. 978. 164335.	1.6	3
18	Quality Evaluation of Several Brands of Bottled Mineral Water from Egypt and Saudi Arabia. <i>Asian Journal of Chemistry</i> , 2015, 27, 3494-3498.	0.3	1

#	ARTICLE	IF	CITATIONS
19	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
20	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