

# Saad Abdelaal

## 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.

19  
papers

117  
citations

6  
h-index

10  
g-index

20  
ext. papers

142  
ext. citations

2.8  
avg, IF

2.85  
L-index

#	Paper	IF	Citations
19	Investigating wettability and optical properties of PADC polymer irradiated by low energy Ar ions. <i>Surface and Coatings Technology</i> , <b>2014</b> , 253, 249-254	4.4	18
18	Comparative studies on PADC polymeric detector treated by gamma radiation and Ar ion beam. <i>Applied Surface Science</i> , <b>2016</b> , 371, 596-606	6.7	17
17	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> , <b>2019</b> , 235, 121771	4.4	12
16	Studying electron-beam-irradiated PET surface wetting and free energy. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 322, 48-53	1.2	9
15	Irradiation influence on Mylar and Makrofol induced by argon ions in a plasma immersion ion implantation system. <i>Applied Surface Science</i> , <b>2015</b> , 347, 784-792	6.7	8
14	PLASMA-ETCHING AND MODIFICATION OF POLYETHYLENE FOR IMPROVED SURFACE STRUCTURE, WETTABILITY AND OPTICAL BEHAVIOR. <i>Surface Review and Letters</i> , <b>2019</b> , 26, 1850220	1.1	6
13	Neutron-induced modifications on Hostaphan and Makrofol wettability and etching behaviors. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 133, 9-20	2.5	6
12	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> , <b>2019</b> , 23, 1-16	1.9	6
11	Optical and chemical behaviors of CR-39 and Makrofol plastics under low-energy electron beam irradiation. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 076401	1.4	6
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> , <b>2020</b> , 949, 162889	1.2	6
9	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> , <b>2021</b> , 150, 109814	3.9	6
8	The physical structure and surface reactivity of graphene oxide. <i>Diamond and Related Materials</i> , <b>2020</b> , 101, 107613	3.5	5
7	Preparation and characterization of jarosite nanorods synthesized by microwave hydrothermal method. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 256, 123654	4.4	5
6	Quantitative Analysis of Lead, Cadmium, Heavy Metals and Other Toxic Elements in Some Human Breast Milk samples. <i>Asian Journal of Chemistry</i> , <b>2015</b> , 27, 4443-4448	0.4	3
5	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> , <b>2020</b> , 949, 162889	1.2	2
4	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> , <b>2020</b> , 155, 108947	1.7	1
3	Investigation of the reactor high neutron flux effects on the physical and chemical characteristics of polymeric material. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2019</b> , 461, 210-218	1.2	0

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| 2 | The influence of gamma radiation on organic compounds having carbon ring and its application in dosimetry. <i>Radiochimica Acta</i> , <b>2021</b> , 109, 407-418  | 1.9 | 0 |
| 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> , <b>2022</b> , 134969 | 8.4 |   |