

Saad Abdelaal

List of Publications by Year in Descending Order

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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	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	
18	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
17	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
16	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	1.2	2
15	The physical structure and surface reactivity of graphene oxide. <i>Diamond and Related Materials</i> , 2020 , 101, 107613	3.5	5
14	Preparation and characterization of jarosite nanorods synthesized by microwave hydrothermal method. <i>Materials Chemistry and Physics</i> , 2020 , 256, 123654	4.4	5
13	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
12	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
11	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
10	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	6
9	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
8	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
7	Neutron-induced modifications on Hostaphan and Makrofol wettability and etching behaviors. <i>Radiation Physics and Chemistry</i> , 2017 , 133, 9-20	2.5	6
6	Comparative studies on PADC polymeric detector treated by gamma radiation and Ar ion beam. <i>Applied Surface Science</i> , 2016 , 371, 596-606	6.7	17
5	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	1.4	6
4	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	6.7	8
3	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	0.4	3

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| 2 | Studying electron-beam-irradiated PET surface wetting and free energy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 322, 48-53 | 1.2 | 9 |
| 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 | 4.4 | 18 |