

# Abdul G Al Lafi

## List of Publications by Year in descending order

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34  
papers

525  
citations

623734

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h-index

713466

21  
g-index

34  
all docs

34  
docs citations

34  
times ranked

412  
citing authors

#	ARTICLE	IF	CITATIONS
1	FTIR spectroscopic analysis of ion irradiated poly (ether ether ketone). Polymer Degradation and Stability, 2014, 105, 122-133.	5.8	73
2	Cesium and cobalt adsorption on synthetic nano manganese oxide: A two dimensional infra-red correlation spectroscopic investigation. Journal of Molecular Structure, 2015, 1093, 13-23.	3.6	43
3	The sulfonation of poly(ether ether ketone) as investigated by two-dimensional FTIR correlation spectroscopy. Journal of Applied Polymer Science, 2015, 132, .	2.6	36
4	Adsorption of Cesium, Cobalt, and Lead onto a Synthetic Nano Manganese Oxide: Behavior and Mechanism. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	31
5	Metal Organic Framework MIL-101(Cr): Spectroscopic Investigations to Reveal Iodine Capture Mechanism. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1218-1230.	3.7	26
6	A Styrofoam-nano manganese oxide based composite: Preparation and application for the treatment of wastewater. Applied Radiation and Isotopes, 2018, 136, 73-81.	1.5	23
7	State of the water in crosslinked sulfonated poly(ether ether ketone). Journal of Applied Polymer Science, 2013, 128, 3000-3009.	2.6	21
8	The effect of ions irradiation on the thermal properties of poly(ether ether ketone). Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2212-2221.	2.1	20
9	Molecular dynamics in ion-irradiated poly(ether ether ketone) investigated by two-dimensional correlation dielectric relaxation spectroscopy. Polymers for Advanced Technologies, 2014, 25, 9-15.	3.2	20
10	The effect of proton irradiation on the melting and isothermal crystallization of poly(ether ether ketone). Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1094-1103.	2.1	18
11	The effects of ion irradiation on the dielectric properties of poly(ether ether ketone). Polymer Bulletin, 2012, 68, 2269-2283.	3.3	16
12	State of the water in crosslinked sulfonated poly(ether ether ketone). Two-dimensional differential scanning calorimetry correlation mapping. Thermochemica Acta, 2015, 612, 63-69.	2.7	16
13	Application of 2D correlation methods to the analysis of XPS spectra of ion irradiated poly (ether) Tj ETQq1 1 0.784314 rgBT /Overloc	2.4	16
14	The sulfonation of crosslinked poly(ether ether ketone)-Diffusion-controlled kinetics. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 775-783.	2.1	15
15	Radiation grafting of acrylic acid and N-vinyl imidazole onto polyethylene films for lead ion removal: A two-dimensional correlation infrared spectroscopy investigation. Journal of Applied Polymer Science, 2017, 134, .	2.6	15
16	2D-COS-FTIR analysis of high molecular weight poly (N-vinyl carbazole) undergoing phase separation on purification and thermal annealing. Journal of Molecular Structure, 2019, 1175, 152-162.	3.6	14
17	The crosslinking of poly (ether ether ketone): Thermally and by irradiation. Journal of Applied Polymer Science, 2015, 132, .	2.6	13
18	Structural development in ion-irradiated poly(ether ether ketone) as studied by dielectric relaxation spectroscopy. Journal of Applied Polymer Science, 2014, 131, .	2.6	12

#	ARTICLE	IF	CITATIONS
19	Removal of Lead from Aqueous Solutions by Polyethylene Waste/Nano-manganese Dioxide Composite. <i>Journal of Polymers and the Environment</i> , 2017, 25, 391-401.	5.0	9
20	Spectroscopic investigations of gamma-ray irradiation effects on metal organic framework. <i>Journal of Materials Science</i> , 2021, 56, 12154-12170.	3.7	9
21	Sulfonated poly(ether ether ketone)/manganese dioxide composite for the removal of low level radionuclide ions from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 463-472.	1.5	8
22	Synthesis of cross-linked sulfonated poly(ether ether ketone) and its use for Pb <sup>2+</sup> and <sup>137</sup> Cs removal from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 39-49.	1.5	8
23	PIXE data analysis by two-dimensional correlation mapping techniques: Analysis of chloride and sulfate ions attack in homemade mortar samples. <i>X-Ray Spectrometry</i> , 2020, 49, 379-389.	1.4	8
24	The isothermal crystallization of poly(ether ether ketone) by two-dimensional differential scanning calorimetry correlation mapping. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	7
25	The effects of pH on U(VI)/Th(IV) and Ra(II)/Ba(II) adsorption by polystyrene-nano manganese dioxide composites: Fourier Transform Infra-Red spectroscopic analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120588.	3.9	7
26	Natural sunlight ageing of control and sterilized poly(ethylene terephthalate): Two-dimensional infrared correlation spectroscopic investigation. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	6
27	Sulfonated Cross-Linked Poly(ether ether ketone) Films with Wrinkled Structures: Preparation and Vanadium Ions Permeability. <i>Macromolecular Research</i> , 2019, 27, 1239-1247.	2.4	6
28	Two-dimensional FTIR spectroscopic analysis of crystallization in cross-linked poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	3.1	6
29	Wide angle X-ray diffraction patterns and 2D-correlation spectroscopy of crystallization in proton irradiated poly(ether ether ketone). <i>Heliyon</i> , 2021, 7, e07306.	3.2	6
30	RBS and PIXE data analysis by two dimensional correlation mapping techniques: On the effects of ion irradiation and sulfonation on poly(ether ether ketone) membranes. <i>X-Ray Spectrometry</i> , 2021, 50, 121-133.	1.4	5
31	Stereo-chemical contributions to the glass transition and liquid-liquid phase separation in high molecular weight poly(N-vinyl carbazole). <i>RSC Advances</i> , 2016, 6, 29326-29333.	3.6	4
32	The effects of pH on the structure of polystyrene-nano manganese dioxide composites. <i>Journal of Molecular Structure</i> , 2021, 1237, 130315.	3.6	4
33	On the application of two-dimensional correlation spectroscopy to analyze X-ray photoelectron spectroscopic data. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	3
34	Interpretation of multiple melting behaviour in poly (ether ether ketone) revisited: Two-dimensional correlation mapping approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	1