

Ahmed M Khalil

List of Publications by Year in descending order

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43
papers

846
citations

471509

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49
docs citations

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times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel nanofibrillated cellulose/polyvinylpyrrolidone/silver nanoparticles films with electrical conductivity properties. <i>Carbohydrate Polymers</i> , 2017, 157, 503-511.	10.2	67
2	Outstanding Graphene Quantum Dots from Carbon Source for Biomedical and Corrosion Inhibition Applications: A Review. <i>Sustainability</i> , 2021, 13, 2127.	3.2	63
3	Gold-decorated polymeric monoliths: In-situ vs ex-situ immobilization strategies and flow through catalytic applications towards nitrophenols reduction. <i>Polymer</i> , 2015, 77, 218-226.	3.8	47
4	Polysulfone nanofiltration membranes enriched with functionalized graphene oxide for dye removal from wastewater. <i>Journal of Polymer Engineering</i> , 2020, 40, 833-841.	1.4	42
5	Antibacterial properties of carboxymethyl chitosan Schiff-base nanocomposites loaded with silver nanoparticles. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020, 57, 145-155.	2.2	41
6	Synthesis, Characterization, and Evaluation of Antimicrobial Activities of Chitosan and Carboxymethyl Chitosan Schiff-Base/Silver Nanoparticles. <i>Journal of Chemistry</i> , 2017, 2017, 1-11.	1.9	39
7	Polymeric membranes based on cellulose acetate loaded with candle soot nanoparticles for water desalination. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 153-161.	2.2	38
8	Effect of gamma irradiation on ethylene propylene diene terpolymer rubber composites. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 111-116.	1.4	34
9	Ultrasonic effect on the photocatalytic degradation of Rhodamine 6G (Rh6G) dye by cotton fabrics loaded with TiO ₂ . <i>Cellulose</i> , 2020, 27, 1085-1097.	4.9	30
10	Antimicrobial activity of PVC-pyrazolone-silver nanocomposites. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 346-353.	2.2	29
11	Efficient removal of cadmium and lead ions from water by hydrogels modified with cystine. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3962-3970.	6.7	27
12	Gamma irradiation of treated waste rubber powder and its composites with waste polyethylene. <i>Journal of Vinyl and Additive Technology</i> , 2011, 17, 58-63.	3.4	21
13	Hybrid Membranes Based on Clay-Polymer for Removing Methylene Blue from Water. <i>Acta Chimica Slovenica</i> , 2020, 67, 96-104.	0.6	21
14	Compatibilization of NBR/SBR blends using amphiphilic montmorillonites. <i>Journal of Elastomers and Plastics</i> , 2014, 46, 514-526.	1.5	20
15	Effect of short polyethylene terephthalate fibers on properties of ethylene-propylene diene rubber composites. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	19
16	Towards Clean and Safe Water: A Review on the Emerging Role of Imprinted Polymer-Based Electrochemical Sensors. <i>Sensors</i> , 2021, 21, 4300.	3.8	19
17	Mixed oxide-polyaniline composite-coated woven cotton fabrics for the visible light catalyzed degradation of hazardous organic pollutants. <i>Cellulose</i> , 2020, 27, 7823-7846.	4.9	18
18	Effect of Gamma and UV Radiation on Properties of EPDM/GTR/HDPE Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 567-575.	1.9	17

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19	Diamide derivatives as photostabilizers for plasticized poly(vinyl chloride). Journal of Vinyl and Additive Technology, 2008, 14, 191-196.	3.4	17
20	Systematic organophilization of montmorillonite: The impact thereof on the rheometric and mechanical characteristics of NBR and SBR based nanocomposites. Polymer Engineering and Science, 2014, 54, 942-948.	3.1	17
21	Antimicrobial agents as photostabilizers for rigid poly(vinyl chloride). Polymers for Advanced Technologies, 2012, 23, 1394-1402.	3.2	16
22	Antimicrobial behavior and photostability of polyvinyl chloride/1-vinylimidazole nanocomposites loaded with silver or copper nanoparticles. Journal of Vinyl and Additive Technology, 2017, 23, E25.	3.4	16
23	Tuning the compositional configuration of hydroxyapatite modified with vanadium ions including thermal stability and antibacterial properties. Journal of Molecular Structure, 2021, 1242, 130713.	3.6	16
24	Effect of different coagents on physicochemical properties of electron beam cured NBR/HDPE composites reinforced with HAF carbon black. Polymer Composites, 2008, 29, 1321-1327.	4.6	15
25	Thiazole derivatives functionalized polyvinyl chloride nanocomposites with photostability and antimicrobial properties. Journal of Vinyl and Additive Technology, 2019, 25, E137.	3.4	15
26	Copper/Nickel-Decorated Olive Pit Biochar: One Pot Solid State Synthesis for Environmental Remediation. Applied Sciences (Switzerland), 2021, 11, 8513.	2.5	15
27	Thermoplastic elastomers based on waste rubber and expanded polystyrene: Role of devulcanization and ionizing radiation. International Journal of Polymer Analysis and Characterization, 2018, 23, 58-69.	1.9	13
28	Monoliths bearing hydrophilic surfaces for <i>in vitro</i> biomedical samples analysis. Surface Innovations, 2015, 3, 84-102.	2.3	12
29	Acrylate-modified gamma-irradiated olive stones waste as a filler for acrylonitrile butadiene rubber/devulcanized rubber composites. Journal of Polymer Research, 2019, 26, 1.	2.4	12
30	Citric-Acid-Assisted Preparation of Biochar Loaded with Copper/Nickel Bimetallic Nanoparticles for Dye Degradation. Colloids and Interfaces, 2022, 6, 18.	2.1	12
31	Interpenetrating polymeric hydrogels as favorable materials for hygienic applications. Biointerface Research in Applied Chemistry, 2020, 10, 5011-5020.	1.0	11
32	Advanced ceramics and relevant polymers for environmental and biomedical applications. Biointerface Research in Applied Chemistry, 2020, 10, 5747-5754.	1.0	9
33	Mechanical, thermal and antibacterial performances of acrylonitrile butadiene rubber/polyvinyl chloride loaded with Moringa oleifera leaves powder. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2973-2981.	3.6	8
34	Itaconamide derivatives as organic stabilizers for poly(vinyl chloride) against photodegradation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 96-103.	2.2	7
35	Methyl methacrylate/2-hydroxyethyl methacrylate/N-hydroxyphenyl maleimide terpolymer as novel photostabilizer for rigid poly(vinyl chloride). Polymer Bulletin, 2013, 70, 1959-1976.	3.3	5
36	Promising features for poly(vinyl chloride) enriched with Moringa oleifera: Photostability, rheological, mechanical, thermal and antibacterial properties. Journal of Vinyl and Additive Technology, 2021, 27, 28-35.	3.4	5

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37	Facile diazonium modification of pomegranate peel biochar: a stupendous derived relationship between thermal and Raman analyses. Carbon Letters, 2022, 32, 1519-1529.	5.9	5
38	Efficient preparation of polymer-based hollow spheres for the photocatalytic degradation of methylene blue. Journal of Vinyl and Additive Technology, 2010, 16, 272-276.	3.4	4
39	Surface Analysis of Clay-Polymer Nanocomposites. , 2017, , 363-411.		4
40	Porous polymeric monoliths: design and preparation towards environmental applications. Biointerface Research in Applied Chemistry, 2019, 9, 4027-4036.	1.0	3
41	Polishing of secondary treated wastewater using nano-ceramic hybrid PET waste plastic sheets. , 0, 217, 214-220.		2
42	Betainin: a promising molecule for biomedical applications. Biointerface Research in Applied Chemistry, 2020, 10, 5392-5399.	1.0	2
43	Electrical conductivity and thermal stability of surface-modified multiwalled carbon nanotubes/polysulfone/poly(<i>p</i> -phenylenediamine) composites. Journal of Polymer Engineering, 2022, .	1.4	2