

M A Abu-Saied

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

705
citations

471371

17
h-index

580701

25
g-index

38
all docs

38
docs citations

38
times ranked

645
citing authors

#	ARTICLE	IF	CITATIONS
1	Profitable exploitation of biodegradable polymer including chitosan blended potato peels starch waste as an alternative source of petroleum plastics. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 207-215.	2.9	5
2	Microstructure, morphology and physicochemical properties of nanocomposites containing hydroxyapatite/vivianite/graphene oxide for biomedical applications. <i>Luminescence</i> , 2022, 37, 290-301.	1.5	12
3	New blends of acrylamide/chitosan and potato peel waste as improved water absorbing polymers for diaper applications. <i>Polymers and Polymer Composites</i> , 2022, 30, 096739112210775.	1.0	1
4	New carbazole-based organic dyes with different acceptors for dye-sensitized solar cells: Synthesis, characterization, dssc fabrications and density functional theory studies. <i>Journal of Molecular Structure</i> , 2021, 1225, 129297.	1.8	52
5	Effect of different acceptors on N-hexyl carbazole moiety for dye-sensitized solar cells: design, characterization, molecular structure, and DSSC fabrications. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 949-960.	1.2	12
6	Chitosan functionalized AgNPs for efficient removal of Imidacloprid pesticide through a pressure-free design. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 116-123.	3.6	23
7	Studying the Adsorptive Behavior of Poly(Acrylonitrile-co-Styrene) and Carbon Nanotubes (Nanocomposites) Impregnated with Adsorbent Materials towards Methyl Orange Dye. <i>Nanomaterials</i> , 2021, 11, 1144.	1.9	34
8	Preparation and Characterization of Nanofibrous Scaffolds of Ag/Vanadate Hydroxyapatite Encapsulated into Polycaprolactone: Morphology, Mechanical, and In Vitro Cells Adhesion. <i>Polymers</i> , 2021, 13, 1327.	2.0	15
9	Green and chemically synthesized magnetic iron oxide nanoparticles-based chitosan composites: preparation, characterization, and future perspectives. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10587-10599.	1.1	5
10	Facile Synthesis of Natural Anise-Based Nanoemulsions and Their Antimicrobial Activity. <i>Polymers</i> , 2021, 13, 2009.	2.0	6
11	Removing of Anionic Dye from Aqueous Solutions by Adsorption Using of Multiwalled Carbon Nanotubes and Poly (Acrylonitrile-styrene) Impregnated with Activated Carbon. <i>Sustainability</i> , 2021, 13, 7077.	1.6	31
12	Highly Conductive Polyelectrolyte Membranes Poly(vinyl alcohol)/Poly(2-acrylamido-2-methyl propane) Sulfonate. <i>Journal of Membrane Science</i> , 2021, 638, 119115.	2.6	15
13	Potential Applications of <i>Arthrospira platensis</i> Lipid-Free Biomass in Bioremediation of Organic Dye from Industrial Textile Effluents and Its Influence on Marine Rotifer (<i>Brachionus plicatilis</i>). <i>Materials</i> , 2021, 14, 4446.	1.3	32
14	Preparation and Characterization of Super-Absorbing Gel Formulated from Î²-Carrageenan/Potato Peel Starch Blended Polymers. <i>Polymers</i> , 2021, 13, 4308.	2.0	6
15	Structure/property relationship of polyvinyl alcohol/dimethoxydimethylsilane composite membrane: Experimental and theoretical studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117810.	2.0	22
16	Tested functionalization of alginate-immobilized ureolytic bacteria for improvement of soil biocementation and maximizing water retention. <i>RSC Advances</i> , 2020, 10, 21350-21359.	1.7	3
17	Development of Proton Exchange Membranes Based on Chitosan Blended with Poly (2-Acrylamido-2-Methylpropane Sulfonic Acid) for Fuel Cells applications. <i>Materials Today Communications</i> , 2020, 25, 101536.	0.9	15
18	The green exfoliation of graphite waste and its suitability for biosensor applications. <i>RSC Advances</i> , 2020, 10, 9347-9355.	1.7	3

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19	Novel sulphonated poly (vinyl chloride)/poly (2-acrylamido-2-methylpropane sulphonic acid) blends-based polyelectrolyte membranes for direct methanol fuel cells. <i>Polymer Testing</i> , 2020, 89, 106604.	2.3	24
20	A novel method for highly effective removal and determination of binary cationic dyes in aqueous media using a cotton-graphene oxide composite. <i>RSC Advances</i> , 2020, 10, 7791-7802.	1.7	16
21	The nanomaterials and recent progress in biosensing systems: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 26, e00087.	5.3	35
22	Potential Decontamination of Drinking Water Pathogens through κ -Carrageenan Integrated Green Bottle Fly Bio-Synthesized Silver Nanoparticles. <i>Molecules</i> , 2020, 25, 1936.	1.7	8
23	Enhancement of Poly(vinyl chloride) Electrolyte Membrane by Its Exposure to an Atmospheric Dielectric Barrier Discharge Followed by Grafting with Polyacrylic Acid. <i>Plasma Chemistry and Plasma Processing</i> , 2019, 39, 1499-1517.	1.1	23
24	Designing of pressure-free filtration system integrating polyvinyl alcohol/chitosan-silver nanoparticle membrane for purification of microbe-containing water. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 2443-2452.	1.0	4
25	Polyvinyl alcohol/Sodium alginate integrated silver nanoparticles as probable solution for decontamination of microbes contaminated water. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1773-1781.	3.6	27
26	Green production of bio-ethanol from cellulosic fiber waste and its separation using polyacrylonitrile-co-poly methyl acrylate membrane. <i>Cellulose</i> , 2018, 25, 6621-6644.	2.4	15
27	Influence of degree of substitution and folic acid coinitorator on pullulan-HEMA hydrogel properties crosslinked under visible-light initiating system. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 1175-1185.	3.6	18
28	Hydrothermal preparation of TiO ₂ -Ag nanoparticles and its antimicrobial performance against human pathogenic microbial cells in water. <i>Biocell</i> , 2018, 42, 93-97.	0.4	6
29	Sulfated chitosan/PVA absorbent membrane for removal of copper and nickel ions from aqueous solutions-Fabrication and sorption studies. <i>Carbohydrate Polymers</i> , 2017, 165, 149-158.	5.1	87
30	Development of grafted cotton fabrics ions exchanger for dye removal applications: methylene blue model. <i>Desalination and Water Treatment</i> , 2016, 57, 22049-22060.	1.0	10
31	Development of polystyrene-based nanoparticles ions exchange resin for water purification applications. <i>Desalination and Water Treatment</i> , 2016, 57, 14810-14823.	1.0	15
32	Sulphonated poly (glycidyl methacrylate) grafted cellophane membranes: novel application in polyelectrolyte membrane fuel cell (PEMFC). <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	27
33	Preparation and characterization of novel grafted cellophane-phosphoric acid-doped membranes for proton exchange membrane fuel cell applications. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3710-3724.	1.3	24
34	Novel grafted nafion membranes for proton exchange membrane fuel cell applications. <i>Journal of Applied Polymer Science</i> , 2011, 119, 120-133.	1.3	24
35	Removal of cadmium ions from synthetic aqueous solutions with a novel nanosulfonated poly(glycidyl methacrylate) cation exchanger: Kinetic and equilibrium studies. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3111-3122.	1.3	23
36	Immobilized metal ions cellophane-PCMA-grafted membranes for affinity separation of β -galactosidase enzyme. I. Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2009, 111, 2647-2656.	1.3	22

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37	Maximization of the bioethanol concentration produced through the cardboard waste fermentation by using ethylenediamine-modifying poly(acrylonitrile-co-methyl acrylate) membrane. Biomass Conversion and Biorefinery, 0, , 1.	2.9	3
38	Successful production of bioethanol from olive waste residues followed by its purification using poly (acrylonitrile-co-methylacrylate)/polymethylmethacrylate membrane. Biomass Conversion and Biorefinery, 0, , .	2.9	2