Ragab E Abou Zeid

List of Publications by Year in Descending Order

54 papers	1,524 citations	22 h-index	38 g-index
60 ext. papers	2,005 ext. citations	4.3 avg, IF	5.39 L-index

#	Paper	IF	Citations
54	Mineralized Polyvinyl Alcohol/Sodium Alginate Hydrogels Incorporating Cellulose Nanofibrils for Bone and Wound Healing.. *Molecules*, **2022**, 27,	4.8	3
53	Nanofibrillated cellulose/glucosamine 3D aerogel implants loaded with rosuvastatin and bioactive ceramic for dental socket preservation.. *International Journal of Pharmaceutics*, **2022**, 616, 121549	6.5	2
52	Novel pseudopolyrotaxane composite based on biopolymers: Synthesis, characterization and application in water treatment. *Environmental Nanotechnology, Monitoring and Management*, **2022**, 17, 100639	3.3	0
51	Synthesis and characterization of thermoplastic starch/PVA/cardanol oil composites loaded with in-situ silver nanoparticles. *Journal of Applied Polymer Science*, **2022**, 139, 51511	2.9	5
50	Development of semiconductive foams based on cellulose- benzenesulfonate/CuFe2O4-nanoparticles and theoretical studies with DFT/ B3PW91/LANDZ2 basis set. *Journal of Molecular Structure*, **2022**, 1247, 131390	3.4	6
49	PREPARATION AND PROPERTIES OF NOVEL BIOCOMPATIBLE PECTIN/SILICA CALCIUM PHOSPHATE HYBRIDS. *Cellulose Chemistry and Technology*, **2022**, 56, 371-378	1.9	
48	EVALUATION OF STARCH AND CELLULOSE BASED CONSOLIDATION MATERIALS ON THE MECHANICAL PROPERTIES OF PAPYRUS. *Cellulose Chemistry and Technology*, **2022**, 56, 391-401	1.9	
47	Nanocellulose Membranes for Water/Oil Separation **2022**, 933-970		
46	Cellulose-Silver Composites Materials: Preparation and Applications. *Biomolecules*, **2021**, 11,	5.9	2
45	Nanocellulose-Based Materials for Water Treatment: Adsorption, Photocatalytic Degradation, Disinfection, Antifouling, and Nanofiltration. *Nanomaterials*, **2021**, 11,	5.4	13
44	Enhancement of photocatalytic and biological activities of chitosan/activated carbon incorporated with TiO nanoparticles. *Environmental Science and Pollution Research*, **2021**, 1	5.1	2
43	New Sustainable Ionic Polysaccharides Fibers Assist Calcium Phosphate Mineralization as Efficient Adsorbents. *Fibers and Polymers*, **2021**, 22, 1526	2	0
42	Grafted TEMPO-oxidized cellulose nanofiber embedded with modified magnetite for effective adsorption of lead ions. *International Journal of Biological Macromolecules*, **2021**, 167, 1091-1101	7.9	14
41	Mineralized nanocomposite scaffolds based on soy protein grafted oxidized cellulose for biomedical applications. *Materials Today: Proceedings*, **2021**, 34, 16-20	1.4	0
40	Removal of Cu(II), Pb(II), Mg(II), and Fe(II) by Adsorption onto Alginate/Nanocellulose Beads as Bio-Sorbent. *Journal of Renewable Materials*, **2021**, 9, 601-613	2.4	11
39	LIQUID CRYSTALLINE PROPERTIES OF HYDROXYPROPYL CELLULOSE PREPARED FROM DISSOLVED EGYPTIAN BAGASSE PULP. *Cellulose Chemistry and Technology*, **2021**, 55, 13-22	1.9	1
38	Polyvinylidene Fluoride / Cellulose Nanocrystals Nanofiber Membrane for Energy Harvesting and Oil Water Separation Applications. *Materials Letters*, **2021**, 130965	3.3	6

37	Ionic chitosan/silica nanocomposite as efficient adsorbent for organic dyes. *International Journal of Biological Macromolecules*, **2021**, 188, 404-410	7.9	6
36	Nanocellulose Membranes for Water/Oil Separation **2021**, 1-37		
35	CARBOXYLATED CELLULOSE NANOFIBERS AS A NOVEL EFFICIENT ADSORBENT FOR WATER PURIFICATION. *Cellulose Chemistry and Technology*, **2020**, 54, 237-245	1.9	10
34	In situ mineralization of nano-hydroxyapatite on bifunctional cellulose nanofiber/polyvinyl alcohol/sodium alginate hydrogel using 3D printing. *International Journal of Biological Macromolecules*, **2020**, 160, 538-547	7.9	41
33	Soy protein hydrolysate grafted cellulose nanofibrils with bioactive signals for bone repair and regeneration. *Carbohydrate Polymers*, **2020**, 229, 115472	10.3	20
32	Multifunctional cellulose nanocrystal /metal oxide hybrid, photo-degradation, antibacterial and larvicidal activities. *Carbohydrate Polymers*, **2020**, 230, 115711	10.3	69
31	Water purification ultrafiltration membranes using nanofibers from unbleached and bleached rice straw. *Scientific Reports*, **2020**, 10, 11278	4.9	22
30	Biomass pyrolysis: past, present, and future. *Environment, Development and Sustainability*, **2020**, 22, 17-32	4.5	79
29	Oxidized alginate/gelatin decorated silver nanoparticles as new nanocomposite for dye adsorption. *International Journal of Biological Macromolecules*, **2019**, 141, 1280-1286	7.9	24
28	Effect of Unbleached Rice Straw Cellulose Nanofibers on the Properties of Polysulfone Membranes. *Polymers*, **2019**, 11,	4.5	11
27	Nanocomposite Film Based on Cellulose Acetate and Lignin-Rich Rice Straw Nanofibers. *Materials*, **2019**, 12,	3.5	23
26	Current State and New Trends in the Use of Cellulose Nanomaterials for Wastewater Treatment. *Biomacromolecules*, **2019**, 20, 573-597	6.9	146
25	FUNCTIONALIZATION AND CROSS-LINKING OF CARBOXYMETHYL CELLULOSE IN AQUEOUS MEDIA. *Cellulose Chemistry and Technology*, **2019**, 53, 23-33	1.9	15
24	Cellulose nanocrystals decorated with gold nanoparticles immobilizing GOx enzyme for non-invasive biosensing of human salivary glucose. *Analytical Methods*, **2019**, 11, 6073-6083	3.2	14
23	Effect of xylanase pretreatment of rice straw unbleached soda and neutral sulfite pulps on isolation of nanofibers and their properties. *Cellulose*, **2018**, 25, 2939-2953	5.5	33
22	Metallo-Terpyridine-Modified Cellulose Nanofiber Membranes for Papermaking Wastewater Purification. *Journal of Inorganic and Organometallic Polymers and Materials*, **2018**, 28, 439-447	3.2	17
21	Novel method of preparation of tricarboxylic cellulose nanofiber for efficient removal of heavy metal ions from aqueous solution. *International Journal of Biological Macromolecules*, **2018**, 119, 207-214	7.9	74
20	Antimicrobial cellulosic hydrogel from olive oil industrial residue. *International Journal of Biological Macromolecules*, **2018**, 117, 179-188	7.9	21

19	Crosslinked alginate/silica/zinc oxide nanocomposite: A sustainable material with antibacterial properties. *Composites Communications*, **2018**, 7, 7-11	6.7	39
18	Preparation and Characterization of Eco-friendly Carboxymethyl Cellulose Antimicrobial Nanocomposite Hydrogels. *Journal of Renewable Materials*, **2018**,	2.4	1
17	Biomimetic Mineralization of Three-Dimensional Printed Alginate/TEMPO-Oxidized Cellulose Nanofibril Scaffolds for Bone Tissue Engineering. *Biomacromolecules*, **2018**, 19, 4442-4452	6.9	103
16	Surfactant-Assisted Poly(lactic acid)/Cellulose Nanocrystal Bionanocomposite for Potential Application in Paper Coating. *Journal of Renewable Materials*, **2018**, 6, 394-401	2.4	17
15	Membranes Based on Cellulose Nanofibers and Activated Carbon for Removal of Escherichia coli Bacteria from Water. *Polymers*, **2017**, 9,	4.5	50
14	Use of Bacterial Cellulose and Crosslinked Cellulose Nanofibers Membranes for Removal of Oil from Oil-in-Water Emulsions. *Polymers*, **2017**, 9,	4.5	28
13	TEMPO-oxidized cellulose nanofibers/polylactic acid/TiO2 as antibacterial bionanocomposite for active packaging. *Egyptian Journal of Chemistry*, **2017**, 60, 4-8	2	26
12	Calcium phosphate mineralization controlled by carboxymethyl cellulose-g-polymethacrylic acid. *Soft Materials*, **2016**, 14, 154-161	1.7	9
11	Novel nanofibrillated cellulose/chitosan nanoparticles nanocomposites films and their use for paper coating. *Industrial Crops and Products*, **2016**, 93, 219-226	5.9	71
10	Microfibrillated cellulose from agricultural residues. Part I: Papermaking application. *Industrial Crops and Products*, **2016**, 93, 161-174	5.9	57
9	Carboxymethyl cellulose/silica hybrids as templates for calcium phosphate biomimetic mineralization. *International Journal of Biological Macromolecules*, **2015**, 74, 155-61	7.9	25
8	Characterization of composite materials based on LDPE loaded with agricultural tunisian waste. *Polymer Composites*, **2015**, 36, 817-824	3	8
7	Use of Cellulose and Oxidized Cellulose Nanocrystals from Olive Stones in Chitosan Bionanocomposites. *Journal of Nanomaterials*, **2015**, 2015, 1-11	3.2	31
6	Development of wheat gluten/nanocellulose/titanium dioxide nanocomposites for active food packaging. *Carbohydrate Polymers*, **2015**, 124, 337-46	10.3	180
5	Effect of cationic and anionic surfactants on the application of calcium carbonate nanoparticles in paper coating. *ACS Applied Materials & Interfaces*, **2014**, 6, 2734-44	9.5	101
4	Cellulose nanocrystals and carboxymethyl cellulose from olive stones and their use to improve paper sheets properties. *International Journal of Nanoparticles*, **2014**, 7, 261	0.4	19
3	Plant proteins as binders in cellulosic paper composites. *International Journal of Biological Macromolecules*, **2010**, 47, 82-5	7.9	25
2	Modified wheat gluten as a binder in particleboard made from reed. *Journal of Applied Polymer Science*, **2007**, 106, 3592-3599	2.9	43

1	Effective adsorption of cationic methylene blue dye on cellulose nanofiber/graphene oxide/silica nanocomposite: Kinetics and equilibrium. *Journal of Applied Polymer Science*,52377	2.9	1