

# Mohamed El-Sakhawy

## List of Publications by Citations

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53  
papers

1,374  
citations

20  
h-index

36  
g-index

54  
ext. papers

1,823  
ext. citations

4.6  
avg. IF

5.57  
L-index

#	Paper	IF	Citations
53	Polysaccharides, Protein and Lipid -Based Natural Edible Films in Food Packaging: A Review. <i>Carbohydrate Polymers</i> , <b>2020</b> , 238, 116178	10.3	261
52	Carboxymethyl cellulose-g-poly(2-(dimethylamino) ethyl methacrylate) hydrogel as adsorbent for dye removal. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 73, 72-5	7.9	103
51	Thermal behaviour and infrared spectroscopy of cellulose carbamates. <i>Polymer Degradation and Stability</i> , <b>2000</b> , 70, 347-355	4.7	99
50	Biomass pyrolysis: past, present, and future. <i>Environment, Development and Sustainability</i> , <b>2020</b> , 22, 17-32.5	4.5	79
49	Preparation and application of acrylonitrile-grafted cyanoethyl cellulose for the removal of copper (II) ions. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 329-334	2.9	74
48	New chitosan/silica/zinc oxide nanocomposite as adsorbent for dye removal. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 520-526	7.9	64
47	Preparation of polyelectrolyte/calcium phosphate hybrids for drug delivery application. <i>Carbohydrate Polymers</i> , <b>2014</b> , 113, 500-6	10.3	48
46	Structural and electrical properties of paper-polyaniline composite. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 1003-7	10.3	41
45	Carboxymethyl cellulose based hybrid material for sustained release of protein drugs. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1647-1652	7.9	41
44	Non-wood fibers as raw material for pulp and paper industry. <i>Nordic Pulp and Paper Research Journal</i> , <b>2020</b> , 35, 215-230	1.1	39
43	Carboxymethyl cellulose-hydrogel embedded with modified magnetite nanoparticles and porous carbon: Effective environmental adsorbent. <i>Carbohydrate Polymers</i> , <b>2020</b> , 242, 116402	10.3	30
42	Grafting of High [Cellulose Pulp Extracted from Sunflower Stalks for Removal of Hg (II) from Aqueous Solution. <i>Polymer-Plastics Technology and Engineering</i> , <b>2006</b> , 45, 135-141		29
41	Mechanical and electrical properties of paper sheets treated with chitosan and its derivatives. <i>Carbohydrate Polymers</i> , <b>2006</b> , 63, 113-121	10.3	29
40	Regenerated cellulose/wool blend enhanced biomimetic hydroxyapatite mineralization. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 92, 920-925	7.9	28
39	Carboxymethyl cellulose prepared from mesquite tree: New source for promising nanocomposite materials. <i>Carbohydrate Polymers</i> , <b>2018</b> , 189, 138-144	10.3	27
38	Bioactive cellulose grafted soy protein isolate towards biomimetic calcium phosphate mineralization. <i>Industrial Crops and Products</i> , <b>2017</b> , 95, 170-174	5.9	26
37	TEMPO-oxidized cellulose nanofibers/poly(lactic acid)/TiO <sub>2</sub> as antibacterial bionanocomposite for active packaging. <i>Egyptian Journal of Chemistry</i> , <b>2017</b> , 60, 4-8	2	26

36	Carboxymethyl cellulose/silica hybrids as templates for calcium phosphate biomimetic mineralization. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 74, 155-61	7.9	25
35	Potential use of bagasse and modified bagasse for removing of iron and phenol from water. <i>Carbohydrate Polymers</i> , <b>2012</b> , 88, 250-256	10.3	25
34	Novel natural composite films as packaging materials with enhanced properties. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 136, 774-784	7.9	23
33	Studies of Polylactic Acid and Metal Oxide Nanoparticles-Based Composites for Multifunctional Textile Prints. <i>Coatings</i> , <b>2020</b> , 10, 58	2.9	20
32	Nanocomposites from natural cellulose fibers incorporated with sucrose. <i>Wood Science and Technology</i> , <b>2006</b> , 40, 77-86	2.5	20
31	Mechanical properties of the paper sheets treated with different polymers. <i>Thermochimica Acta</i> , <b>2004</b> , 421, 81-85	2.9	20
30	Rational design of novel water-soluble ampholytic cellulose derivatives. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 363-372	7.9	19
29	Multi-stage Bagasse pulping by using alkali/CaroB acid treatment. <i>Industrial Crops and Products</i> , <b>2005</b> , 21, 337-341	5.9	19
28	THERMAL PROPERTIES OF CARBOXYMETHYL CELLULOSE ACETATE BUTYRATE. <i>Cellulose Chemistry and Technology</i> , <b>2019</b> , 53, 667-675	1.9	19
27	Carboxymethyl cellulose acetate butyrate: a review of the preparations, properties, and applications. <i>Journal of Drug Delivery</i> , <b>2014</b> , 2014, 575969	2.3	15
26	Aminated Hydroximoyl Camelthorn Residues as a Novel Adsorbent for Extracting Hg(II) From Contaminated Water: Studies of Isotherm, Kinetics, and Mechanism. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 2498-2510	4.5	13
25	New approach for immobilization of 3-aminopropyltrimethoxysilane and TiO nanoparticles into cellulose for BJ1 skin cells proliferation. <i>Carbohydrate Polymers</i> , <b>2018</b> , 199, 193-204	10.3	11
24	Oxycellulose modification. <i>Polymer International</i> , <b>2000</b> , 49, 839-844	3.3	11
23	Mechanical properties and water absorption of low-density polyethylene/sawdust composites. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 1337-1342	2.9	10
22	Effect of bleaching sequence on paper ageing. <i>Polymer Degradation and Stability</i> , <b>2005</b> , 87, 419-423	4.7	10
21	Calcium phosphate mineralization controlled by carboxymethyl cellulose-g-polymethacrylic acid. <i>Soft Materials</i> , <b>2016</b> , 14, 154-161	1.7	9
20	Characterization of Modified Oxycellulose. <i>Magyar Áprilad Közlemények</i> , <b>2001</b> , 63, 549-558	0	9
19	Preparation of eco-friendly graphene oxide from agricultural wastes for water treatment191, 250-262		9

18	Novel coating of bagasse paper sheets by gelatin and chitosan. <i>Nordic Pulp and Paper Research Journal</i> , <b>2014</b> , 29, 741-746	1.1	8
17	Physicomechanical Properties of Paper Treated With Polymers. <i>Restaurator</i> , <b>2000</b> , 21,	0	7
16	Carboxymethyl Cellulose-Grafted Graphene Oxide/Polyethylene Glycol for Efficient Ni(II) Adsorption. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 859-870	4.5	7
15	Improving the Antimicrobial Activity of Bagasse Packaging Paper using Organophosphorus Dimers <b>2016</b> , 7, 932		5
14	Development of polymer composites and encapsulation technology for slow-release fertilizers. <i>Reviews in Chemical Engineering</i> , <b>2019</b> ,	5	4
13	Thermal and natural aging of bagasse paper sheets coated with gelatin. <i>Nordic Pulp and Paper Research Journal</i> , <b>2018</b> , 33, 327-335	1.1	3
12	Development of graphene oxide-based styrene/acrylic elastomeric disks from sugarcane bagasse as adsorbents of Nickel (II) ions. <i>Journal of Polymer Research</i> , <b>2022</b> , 29, 1	2.7	2
11	Facile methods for the preparation of micro- and mesoporous amorphous silica from rice husk. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	2
10	SUSTAINABLE CELLULOSE NANOCRYSTAL REINFORCED CHITOSAN/HPMC BIO-NANOCOMPOSITE FILMS CONTAINING MENTHOL OIL AS PACKAGING MATERIALS. <i>Cellulose Chemistry and Technology</i> , <b>2021</b> , 55, 649-658	1.9	2
9	Enhancement of mechanical properties of chitosan film by doping with sage extract-loaded niosomes. <i>Materials Research Express</i> , <b>2022</b> , 9, 035006	1.7	2
8	GRAPHENE OXIDE FUNCTIONALIZED BY ETHYLENE DIAMINE TETRAACETIC ACID (EDTA) BY A HYDROTHERMAL PROCESS AS AN ADSORBENT FOR NICKEL IONS. <i>Cellulose Chemistry and Technology</i> , <b>2021</b> , 55, 417-432	1.9	1
7	Prevention of Hepatorenal Insufficiency Associated with Lead Exposure by L. Beverages Using In Vivo Assay.. <i>BioMed Research International</i> , <b>2022</b> , 2022, 7990129	3	0
6	Fire resistant bagasse paper as packaging material using 1,3-di-p-toluidine-2,2,2,4,4,4-hexachlorocyclodiphosph(V)azane with hydroxyethyl cellulose. <i>Egyptian Journal of Petroleum</i> , <b>2021</b> , 30, 29-29	3.4	0
5	PREPARATION OF TEMPO-CELLULOSE NANOFIBER/ZINC OXIDE AS ANTIMICROBIAL AND METHYLENE BLUE PHOTO-DEGRADING NANOCOMPOSITE. <i>Cellulose Chemistry and Technology</i> , <b>2021</b> , 55, 365-373	1.9	0
4	Hydroxypropyl methylcellulose/graphene oxide composite as drug carrier system for 5-Fluorouracil. <i>Biotechnology Journal</i> , <b>2021</b> , e2100183	5.6	0
3	Polysaccharides/propolis composite as promising materials with biomedical and packaging applications: a review. <i>Biomass Conversion and Biorefinery</i> ,	2.3	0
2	OPTIMIZATION OF DITHIONITE BLEACHING OF HIGH YIELD BAGASSE PULP. <i>Cellulose Chemistry and Technology</i> , <b>2021</b> , 55, 667-673	1.9	
1	PREPARATION AND PROPERTIES OF NOVEL BIOCOMPATIBLE PECTIN/SILICA CALCIUM PHOSPHATE HYBRIDS. <i>Cellulose Chemistry and Technology</i> , <b>2022</b> , 56, 371-378	1.9	

