

# Mohammad L Hassan

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64  
papers

2,015  
citations

27  
h-index

43  
g-index

64  
ext. papers

2,257  
ext. citations

3.8  
avg, IF

5.16  
L-index

#	Paper	IF	Citations
64	Mechanical, barrier, and biodegradability properties of bagasse cellulose whiskers reinforced natural rubber nanocomposites. <i>Industrial Crops and Products</i> , <b>2010</b> , 32, 627-633	5.9	280
63	Nanofibers from bagasse and rice straw: process optimization and properties. <i>Wood Science and Technology</i> , <b>2012</b> , 46, 193-205	2.5	120
62	Thermal behavior of cellulose and some cellulose derivatives. <i>Polymer Degradation and Stability</i> , <b>2000</b> , 67, 111-115	4.7	109
61	Preparation and characterization of new cellulose nanocrystals from marine biomass <i>Posidonia oceanica</i> . <i>Industrial Crops and Products</i> , <b>2015</b> , 72, 175-182	5.9	79
60	Novel nanofibrillated cellulose/chitosan nanoparticles nanocomposites films and their use for paper coating. <i>Industrial Crops and Products</i> , <b>2016</b> , 93, 219-226	5.9	71
59	Chitosan nanoparticles/cellulose nanocrystals nanocomposites as a carrier system for the controlled release of repaglinide. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 604-613	7.9	64
58	Effect of pretreatment of bagasse fibers on the properties of chitosan/microfibrillated cellulose nanocomposites. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 1732-1740	4.3	62
57	Thermoplasticization of bagasse. I. preparation and characterization of esterified bagasse fibers <b>2000</b> , 76, 561-574		60
56	Ion exchange properties of carboxylated bagasse. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 1399-1404	4.4	53
55	Fluorescent cellulose nanocrystals via supramolecular assembly of terpyridine-modified cellulose nanocrystals and terpyridine-modified perylene. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2012</b> , 177, 350-358	3.1	50
54	Membranes Based on Cellulose Nanofibers and Activated Carbon for Removal of <i>Escherichia coli</i> Bacteria from Water. <i>Polymers</i> , <b>2017</b> , 9,	4.5	50
53	Enzyme-assisted isolation of microfibrillated cellulose from date palm fruit stalks. <i>Industrial Crops and Products</i> , <b>2014</b> , 55, 102-108	5.9	49
52	Structural changes of regenerated cellulose dissolved in FeTNa, NaOH/thiourea, and NMMO systems. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 2862-2871	2.9	47
51	Use of ZnO nanoparticles for protecting oil paintings on paper support against dirt, fungal attack, and UV aging. <i>Journal of Cultural Heritage</i> , <b>2014</b> , 15, 165-172	2.9	45
50	Regioselective Dendritic Functionalization of Cellulose. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 1999-2002	4.8	45
49	Novel nanofibrillated cellulose/polyvinylpyrrolidone/silver nanoparticles films with electrical conductivity properties. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 503-511	10.3	43
48	Regioselective combinatorial-type synthesis, characterization, and physical properties of dendronized cellulose. <i>Polymer</i> , <b>2005</b> , 46, 8947-8955	3.9	39

47	Heavy metal ion removal by amidoximated bagasse. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 87, 666-670.	2.9	35
46	Phosphorylated cation-exchangers from cotton stalks and their constituents. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 2950-2956	2.9	35
45	Effect of xylanase pretreatment of rice straw unbleached soda and neutral sulfite pulps on isolation of nanofibers and their properties. <i>Cellulose</i> , <b>2018</b> , 25, 2939-2953	5.5	33
44	Utilization of lignocellulosic fibers in molded polyester composites. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 87, 653-660	2.9	33
43	Novel Zr(IV)/sugar beet pulp composite for removal of sulfate and nitrate anions. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, 2205-2212	2.9	32
42	Use of Cellulose and Oxidized Cellulose Nanocrystals from Olive Stones in Chitosan Bionanocomposites. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-11	3.2	31
41	Rice straw nanofibrillated cellulose films with antimicrobial properties via supramolecular route. <i>Industrial Crops and Products</i> , <b>2016</b> , 93, 142-151	5.9	30
40	Electrical conductivity and dielectric properties of nanofibrillated cellulose thin films from bagasse. <i>Journal of Physical Organic Chemistry</i> , <b>2018</b> , 31, e3851	2.1	28
39	Use of Bacterial Cellulose and Crosslinked Cellulose Nanofibers Membranes for Removal of Oil from Oil-in-Water Emulsions. <i>Polymers</i> , <b>2017</b> , 9,	4.5	28
38	Polycaprolactone/modified bagasse whisker nanocomposites with improved moisture-barrier and biodegradability properties. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, E10-E19	2.9	28
37	Novel chitosan-ZnO based nanocomposites as luminescent tags for cellulosic materials. <i>Carbohydrate Polymers</i> , <b>2014</b> , 99, 817-24	10.3	27
36	Thermoplasticization of bagasse by cyanoethylation. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 79, 1965-1978	2.9	27
35	Thermoplasticization of bagasse. II. dimensional stability and mechanical properties of esterified bagasse composite <b>2000</b> , 76, 575-586		26
34	New supramolecular metallo-terpyridine carboxymethyl cellulose derivatives with antimicrobial properties. <i>Carbohydrate Polymers</i> , <b>2015</b> , 116, 2-8	10.3	25
33	A new mixture of hydroxypropyl cellulose and nanocellulose for wood consolidation. <i>Journal of Cultural Heritage</i> , <b>2019</b> , 35, 140-144	2.9	25
32	Palm rachis microfibrillated cellulose and oxidized-microfibrillated cellulose for improving paper sheets properties of unbeaten softwood and bagasse pulps. <i>Industrial Crops and Products</i> , <b>2015</b> , 64, 9-15	5.9	24
31	Improving cellulose/polypropylene nanocomposites properties with chemical modified bagasse nanofibers and maleated polypropylene. <i>Journal of Reinforced Plastics and Composites</i> , <b>2014</b> , 33, 26-36	2.9	23
30	Chitosan/rice straw nanofibers nanocomposites: Preparation, mechanical, and dynamic thermomechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, E216-E222	2.9	22

29	Cellulose nanocrystals and carboxymethyl cellulose from olive stones and their use to improve paper sheets properties. <i>International Journal of Nanoparticles</i> , <b>2014</b> , 7, 261	0.4	19
28	Preparation and thermal stability of new cellulose-based poly(propylene imine) and poly(amido amine) hyperbranched derivatives. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 2079-2087	2.9	18
27	Metallo-Terpyridine-Modified Cellulose Nanofiber Membranes for Papermaking Wastewater Purification. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 439-447	3.2	17
26	Processing, Dynamic mechanical thermal analysis, and dielectric properties of barium titanate/cellulosic polymer nanocomposites. <i>Polymer Composites</i> , <b>2017</b> , 38, 893-907	3	16
25	Injectable TEMPO-oxidized nanofibrillated cellulose/biphasic calcium phosphate hydrogel for bone regeneration. <i>Journal of Biomaterials Applications</i> , <b>2018</b> , 32, 1371-1381	2.9	15
24	New Metallo-Supramolecular Terpyridine-Modified Cellulose Functional Nanomaterials. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2012</b> , 49, 298-305	2.2	15
23	Mechanical, optical, and electrical properties of cellulosic semiconductor nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 115, 2847-2854	2.9	14
22	Recycling of jute textile in phenol formaldehyde/jute composites. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 3588-3593	2.9	14
21	Novel cellulose nanofibers/barium titanate nanoparticles nanocomposites and their electrical properties. <i>Journal of Physical Organic Chemistry</i> , <b>2019</b> , 32, e3897	2.1	14
20	Quaternization and anion exchange capacity of Sponge Gourd ( <i>Luffa cylindrica</i> ). <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 2495-2503	2.9	13
19	Recycled old newsprint fibers as a reinforcing filler in molded polyester composites. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 80, 2018-2023	2.9	13
18	Improving tensile strength and moisture barrier properties of gelatin using microfibrillated cellulose. <i>Journal of Composite Materials</i> , <b>2013</b> , 47, 1977-1985	2.7	11
17	Electrical properties of FeII-terpyridine-Modified cellulose nanocrystals and polycaprolactone/FeII-CTP nanocomposites. <i>Polymer Composites</i> , <b>2016</b> , 37, 2734-2743	3	8
16	Dendronized Cellulose Nanocrystals as Templates for Preparation of ZnS and CdS Quantum Dots. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2014</b> , 51, 743-749	2.2	8
15	Extraction of pectin from sugar beet pulp by enzymatic and ultrasound-assisted treatments. <i>Carbohydrate Polymer Technologies and Applications</i> , <b>2021</b> , 2, 100042	1.7	7
14	Testing of medical tablets produced with microcrystalline cellulose prepared from agricultural wastes. <i>Polymer Composites</i> , <b>2014</b> , 35, 1343-1349	3	5
13	Artificial aging and deterioration of oil-painted Fabriano paper and cardboard paper supports. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 1594-1603	2.9	5
12	Acrylate/Nanofibrillated Cellulose Nanocomposites and Their Use for Paper Coating. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-10	3.2	5

11	Dielectric properties of cyanoethylated bagasse composites. <i>Polymer-Plastics Technology and Engineering</i> , <b>2002</b> , 41, 589-600		4
10	A novel dental re-mineralizing blend of hydroxyethyl-cellulose and cellulose nanofibers oral film loaded with nepheline apatite glass: Preparation, characterization and in vitro evaluation of re-mineralizing effect. <i>Carbohydrate Polymer Technologies and Applications</i> , <b>2021</b> , 2, 100035	1.7	4
9	Synthesis and characterization high purity alumina nanorods by a novel and simple method using nanocellulose aerogel template. <i>Heliyon</i> , <b>2019</b> , 5, e01816	3.6	3
8	Bagasse and Rice Straw Nanocellulosic Materials and Their Applications <b>2015</b> , 47-64		3
7	Effect of pectin extraction method on properties of cellulose nanofibers isolated from sugar beet pulp. <i>Cellulose</i> , <b>2021</b> , 28, 10905-10920	5.5	2
6	Rice straw paper sheets reinforced with bleached or unbleached nanofibers. <i>Nordic Pulp and Paper Research Journal</i> , <b>2021</b> , 36, 139-148	1.1	2
5	New pectin derivatives with antimicrobial and emulsification properties via complexation with metal-terpyridines. <i>Carbohydrate Polymers</i> , <b>2021</b> , 268, 118230	10.3	1
4	Enzyme- and acid-extracted sugar beet pectin as green corrosion inhibitors for mild steel in hydrochloric acid solution. <i>Carbohydrate Polymer Technologies and Applications</i> , <b>2021</b> , 2, 100072	1.7	1
3	High dielectric flexible thin films based on cellulose nanofibers and zinc sulfide nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2022</b> , 276, 115538	3.1	0
2	Use of sugar beet cellulose nanofibers for paper coating. <i>Industrial Crops and Products</i> , <b>2022</b> , 180, 114783	3.9	0
1	Date Palm Nano Composites Applications and Future Trends <b>2020</b> , 419-440		