

Samir Kamel

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.

86

papers

2,351

citations

26

h-index

45

g-index

90

ext. papers

2,913

ext. citations

5

avg, IF

5.95

L-index

#	Paper	IF	Citations
86	Pharmaceutical significance of cellulose: A review. <i>EXPRESS Polymer Letters</i> , 2008 , 2, 758-778	3.4	267
85	Nanotechnology and its applications in lignocellulosic composites, a mini review. <i>EXPRESS Polymer Letters</i> , 2007 , 1, 546-575	3.4	203
84	Mechanical and antibacterial properties of novel high performance chitosan/nanocomposite films. <i>International Journal of Biological Macromolecules</i> , 2015 , 76, 25-32	7.9	113
83	Thermal behaviour and infrared spectroscopy of cellulose carbamates. <i>Polymer Degradation and Stability</i> , 2000 , 70, 347-355	4.7	99
82	Novel method of preparation of tricarboxylic cellulose nanofiber for efficient removal of heavy metal ions from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 207-214	7.9	74
81	Preparation and application of acrylonitrile-grafted cyanoethyl cellulose for the removal of copper (II) ions. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 329-334	2.9	74
80	Evaluation of corn husk fibers reinforced recycled low density polyethylene composites. <i>Materials Chemistry and Physics</i> , 2015 , 152, 26-33	4.4	72
79	Morphological and antibacterial properties of modified paper by PS nanocomposites for packaging applications. <i>Carbohydrate Polymers</i> , 2013 , 98, 1166-72	10.3	63
78	Recent Advances in Cellulose-Based Biosensors for Medical Diagnosis. <i>Biosensors</i> , 2020 , 10,	5.9	52
77	Development of microporous cellulose-based smart xerogel reversible sensor via freeze drying for naked-eye detection of ammonia gas. <i>Carbohydrate Polymers</i> , 2019 , 210, 196-203	10.3	50
76	Preparation and properties of composites made from rice straw and poly(vinyl chloride) (PVC). <i>Polymers for Advanced Technologies</i> , 2004 , 15, 612-616	3.2	49
75	Biological studies and electrical conductivity of paper sheet based on PANI/PS/Ag-NPs nanocomposite. <i>Carbohydrate Polymers</i> , 2016 , 147, 333-343	10.3	47
74	Smart microfibrillated cellulose as swab sponge-like aerogel for real-time colorimetric naked-eye sweat monitoring. <i>Talanta</i> , 2019 , 205, 120166	6.2	45
73	Morphological, electrical & antibacterial properties of trilayered Cs/PAA/PPy bionanocomposites hydrogel based on FeO-NPs. <i>Carbohydrate Polymers</i> , 2018 , 196, 483-493	10.3	44
72	A novel electromagnetic biodegradable nanocomposite based on cellulose, polyaniline, and cobalt ferrite nanoparticles. <i>Carbohydrate Polymers</i> , 2019 , 216, 54-62	10.3	42
71	Structural and electrical properties of paper-polyaniline composite. <i>Carbohydrate Polymers</i> , 2012 , 90, 1003-7	10.3	41
70	Carboxymethyl cellulose based hybrid material for sustained release of protein drugs. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1647-1652	7.9	41

69	Photoluminescent spray-coated paper sheet: Write-in-the-dark. <i>Carbohydrate Polymers</i> , 2018 , 200, 154-161.	3	37
68	Novel cellulose-based halochromic test strips for naked-eye detection of alkaline vapors and analytes. <i>Talanta</i> , 2017 , 170, 137-145	6.2	33
67	Biodegradable grafting cellulose/clay composites for metal ions removal. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 2256-2264	7.9	33
66	Optical Recognition of Ammonia and Amine Vapor Using "Turn-on" Fluorescent Chitosan Nanoparticles Imprinted on Cellulose Strips. <i>Journal of Fluorescence</i> , 2019 , 29, 693-702	2.4	31
65	Carboxymethyl cellulose-hydrogel embedded with modified magnetite nanoparticles and porous carbon: Effective environmental adsorbent. <i>Carbohydrate Polymers</i> , 2020 , 242, 116402	10.3	30
64	Development of electrically conductive nanocomposites from cellulose nanowhiskers, polypyrrole and silver nanoparticles assisted with Nickel(III) oxide nanoparticles. <i>Reactive and Functional Polymers</i> , 2020 , 149, 104533	4.6	30
63	Development of long-persistent photoluminescent epoxy resin immobilized with europium (II)-doped strontium aluminate. <i>Luminescence</i> , 2020 , 35, 478-485	2.5	30
62	Conducting cellulose/TiO ₂ composites by in situ polymerization of pyrrole. <i>Carbohydrate Polymers</i> , 2017 , 168, 182-190	10.3	29
61	Mechanical and electrical properties of paper sheets treated with chitosan and its derivatives. <i>Carbohydrate Polymers</i> , 2006 , 63, 113-121	10.3	29
60	Innovative synthesis of modified cellulose derivative as a uranium adsorbent from carbonate solutions of radioactive deposits. <i>Cellulose</i> , 2020 , 27, 7093-7108	5.5	25
59	Potential use of bagasse and modified bagasse for removing of iron and phenol from water. <i>Carbohydrate Polymers</i> , 2012 , 88, 250-256	10.3	25
58	Rational design and electrical study of conducting bionanocomposites hydrogel based on chitosan and silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 886-894	7.9	23
57	Preparation and characterization of novel antibacterial blended films based on modified carboxymethyl cellulose/phenolic compounds. <i>Polymer Bulletin</i> , 2021 , 78, 1061-1085	2.4	23
56	In situ synthesis of FeO@ cyanoethyl cellulose composite as antimicrobial and semiconducting film. <i>Carbohydrate Polymers</i> , 2020 , 236, 116032	10.3	22
55	Synthesis and characterization of polyaniline/tosylcellulose stearate composites as promising semiconducting materials. <i>Synthetic Metals</i> , 2018 , 236, 44-53	3.6	22
54	Development of electrical conducting nanocomposite based on carboxymethyl cellulose hydrogel/silver nanoparticles@polypyrrole. <i>Synthetic Metals</i> , 2019 , 250, 104-114	3.6	21
53	Antimicrobial cellulosic hydrogel from olive oil industrial residue. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 179-188	7.9	21
52	Rapid synthesis of antimicrobial paper under microwave irradiation. <i>Carbohydrate Polymers</i> , 2012 , 90, 1538-42	10.3	21

51	Development of biodegradable semiconducting foam based on micro-fibrillated cellulose/Cu-NPs. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 351-359	7.9	20
50	Studies of Polylactic Acid and Metal Oxide Nanoparticles-Based Composites for Multifunctional Textile Prints. <i>Coatings</i> , 2020 , 10, 58	2.9	20
49	Lignocellulosic polymer composite IV. <i>Journal of Applied Polymer Science</i> , 1998 , 69, 845-855	2.9	20
48	Mechanical properties of the paper sheets treated with different polymers. <i>Thermochimica Acta</i> , 2004 , 421, 81-85	2.9	20
47	Development of Electrospun Nanofibrous-Walled Tubes for Potential Production of Photoluminescent Endoscopes. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 10044-10055	3.9	20
46	Rational design of novel water-soluble ampholytic cellulose derivatives. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 363-372	7.9	19
45	Multi-stage Bagasse pulping by using alkali/Caro's acid treatment. <i>Industrial Crops and Products</i> , 2005 , 21, 337-341	5.9	19
44	THERMAL PROPERTIES OF CARBOXYMETHYL CELLULOSE ACETATE BUTYRATE. <i>Cellulose Chemistry and Technology</i> , 2019 , 53, 667-675	1.9	19
43	Adsorption of Fe ions by modified carrageenan beads with tricarboxy cellulose: kinetics study and four isotherm models	165, 281-289	18
42	Biocompatible hydrogel based on aldehyde-functionalized cellulose and chitosan for potential control drug release. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 21, 100419	3.9	18
41	Conducting hydrogel based on chitosan, polypyrrole and magnetite nanoparticles: a broadband dielectric spectroscopy study. <i>Polymer Bulletin</i> , 2019 , 76, 3175-3194	2.4	18
40	Uniformly Embedded Cellulose/Polypyrrole-TiO ₂ Composite in Sol-Gel Sodium Silicate Nanoparticles: Structural and Dielectric Properties. <i>Silicon</i> , 2019 , 11, 1063-1070	2.4	17
39	Carboxymethyl cellulose acetate butyrate: a review of the preparations, properties, and applications. <i>Journal of Drug Delivery</i> , 2014 , 2014, 575969	2.3	15
38	FUNCTIONALIZATION AND CROSS-LINKING OF CARBOXYMETHYL CELLULOSE IN AQUEOUS MEDIA. <i>Cellulose Chemistry and Technology</i> , 2019 , 53, 23-33	1.9	15
37	Recent advances in cellulose supported metal nanoparticles as green and sustainable catalysis for organic synthesis. <i>Cellulose</i> , 2021 , 28, 4545-4574	5.5	15
36	Carboxymethyl Cellulose-Based Hydrogel: Dielectric Study, Antimicrobial Activity and Biocompatibility. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 17-30	2.5	15
35	Optimization of Carboxymethylation of Starch in Organic Solvents. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2007 , 56, 511-519	3	14
34	Cellulose nanocrystals decorated with gold nanoparticles immobilizing GOx enzyme for non-invasive biosensing of human salivary glucose. <i>Analytical Methods</i> , 2019 , 11, 6073-6083	3.2	14

33	Grafted TEMPO-oxidized cellulose nanofiber embedded with modified magnetite for effective adsorption of lead ions. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 1091-1101	7.9	14
32	Protective role of zinc oxide nanoparticles based hydrogel against wilt disease of pepper plant. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021 , 35, 102083	4.2	13
31	Efficient alternative of antimicrobial nanocomposites based on cellulose acetate/Cu-NPs. <i>Soft Materials</i> , 2018 , 16, 141-150	1.7	12
30	New approach for immobilization of 3-aminopropyltrimethoxysilane and TiO nanoparticles into cellulose for BJ1 skin cells proliferation. <i>Carbohydrate Polymers</i> , 2018 , 199, 193-204	10.3	11
29	Development of carrageenan modified with nanocellulose-based materials in removing of Cu ²⁺ , Pb ²⁺ , Ca ²⁺ , Mg ²⁺ , and Fe ²⁺ . <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 5569-5576	3.3	11
28	Mechanical properties and water absorption of low-density polyethylene/sawdust composites. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 1337-1342	2.9	10
27	Carboxymethylation of Cotton Linter in an Alcoholic Reaction Medium. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2001 , 50, 163-173	3	10
26	Electroconductive Composites Containing Nanocellulose, Nanopolypyrrole, and Silver Nanoparticles. <i>Journal of Renewable Materials</i> , 2019 , 7, 193-203	2.4	9
25	Amphiphilic Cellulose as Stabilizer for Oil/ Water Emulsion. <i>Egyptian Journal of Chemistry</i> , 2017 , 60, 181-204		9
24	Preparation of eco-friendly graphene oxide from agricultural wastes for water treatment	191, 250-262	9
23	Preparation of Cation-Exchange Resin from Lignin. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2005 , 55, 283-291	3	8
22	Physicomechanical Properties of Paper Treated With Polymers. <i>Restaurator</i> , 2000 , 21,	0	7
21	Carboxymethyl Cellulose-Grafted Graphene Oxide/Polyethylene Glycol for Efficient Ni(II) Adsorption. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 859-870	4.5	7
20	High efficiency antimicrobial cellulose-based nanocomposite hydrogels. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	6
19	Synthesis and characterization of biocompatible hydrogel based on hydroxyethyl cellulose-g-poly(hydroxyethyl methacrylate). <i>Polymer Bulletin</i> , 2020 , 77, 6333-6347	2.4	6
18	Synthesis of novel heterocyclic compounds based on dialdehyde cellulose: characterization, antimicrobial, antitumor activity, molecular dynamics simulation and target identification. <i>Cellulose</i> , 2021 , 28, 8355-8374	5.5	6
17	A new approach for antimicrobial and antiviral activities of biocompatible nanocomposite based on cellulose, amino acid and graphene oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 209, 112172	6	4
16	Enhancing Electrical, Thermal, and Mechanical Properties of HV Cross-Linked Polyethylene Insulation Using Silica Nanofillers. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 1796-1807	1.6	4

15	Cyanoethyl Cellulose/BaTiO ₃ /GO Flexible Films with Electroconductive Properties. <i>ECS Journal of Solid State Science and Technology</i> , 2021 , 10, 083004	2	4
14	Thermal and natural aging of bagasse paper sheets coated with gelatin. <i>Nordic Pulp and Paper Research Journal</i> , 2018 , 33, 327-335	1.1	3
13	Polyacetal/graphene/polypyrrole and cobalt nanoparticles electroconducting composites. <i>International Journal of Industrial Chemistry</i> , 2020 , 11, 223-234	3.1	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> , 2022 , 29, 1	2.7	2
11	Antimicrobial and antiviral activities with molecular docking study of chitosan/carrageenan@clove oil beads. <i>Biotechnology Journal</i> , 2021 , e2100298	5.6	2
10	Preparation and characterization of Gum Arabic Schiff's bases based on 9-aminoacridine with in vitro evaluation of their antimicrobial and antitumor potentiality. <i>Carbohydrate Polymers</i> , 2022 , 277, 118823	10.3	1
9	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> , 2021 , 55, 417-432	1.9	1
8	Preparation and Characterization of Eco-friendly Carboxymethyl Cellulose Antimicrobial Nanocomposite Hydrogels. <i>Journal of Renewable Materials</i> , 2018 ,	2.4	1
7	Photocatalytic degradation of pesticide intermediate using green eco-friendly amino functionalized cellulose nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 270, 115231	3.1	1
6	Hydrophobic and Flame-Retardant Foam Based on Cellulose. <i>Journal of Polymers and the Environment</i> , 1	4.5	0
5	Advances in Polysaccharide-Based Hydrogels: Self-Healing and Electrical Conductivity. <i>Journal of Molecular Liquids</i> , 2022 , 352, 118712	6	0
4	Hydroxypropyl methylcellulose/graphene oxide composite as drug carrier system for 5-Fluorouracil. <i>Biotechnology Journal</i> , 2021 , e2100183	5.6	0
3	A biodegradable film based on cellulose and thiazolidine bearing UV shielding property.. <i>Scientific Reports</i> , 2022 , 12, 7887	4.9	0
2	Talented Bi _{0.5} Na _{0.25} K _{0.25} TiO ₃ /oxidized cellulose films for optoelectronic and bioburden of pathogenic microbes. <i>Carbohydrate Polymers</i> , 2022 , 291, 119656	10.3	0
1	EDTA-Functionalized Magnetic Graphene Oxide/Polyacrylamide Grafted Carboxymethyl Cellulose Hydrogel for Removal of Pb ⁺² from Aqueous Solution. <i>Journal of Polymers and the Environment</i> , 1	4.5	