

Sherif Keshk

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,360
citations

394286

19
h-index

345118

36
g-index

54
all docs

54
docs citations

54
times ranked

1751
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial Cellulose Production and its Industrial Applications. Journal of Bioprocessing & Biotechniques, 2014, 04, .	0.2	210
2	Influence of lignosulfonate on crystal structure and productivity of bacterial cellulose in a static culture. Enzyme and Microbial Technology, 2006, 40, 4-8.	1.6	110
3	Vitamin C enhances bacterial cellulose production in Gluconacetobacter xylinus. Carbohydrate Polymers, 2014, 99, 98-100.	5.1	87
4	The utilization of sugar cane molasses with/without the presence of lignosulfonate for the production of bacterial cellulose. Applied Microbiology and Biotechnology, 2006, 72, 291-296.	1.7	80
5	Evaluation of multifunctional properties of cotton fabric based on metal/chitosan film. Carbohydrate Polymers, 2010, 80, 504-512.	5.1	72
6	New catalyst with multiple active sites for selective hydrogenolysis of cellulose to ethylene glycol. Green Chemistry, 2017, 19, 5144-5151.	4.6	63
7	Physicochemical characterization of different treatment sequences on kenaf bast fiber. Carbohydrate Polymers, 2006, 65, 202-206.	5.1	61
8	Physicochemical characterization of novel Schiff bases derived from developed bacterial cellulose 2,3-dialdehyde. Carbohydrate Polymers, 2015, 127, 246-251.	5.1	55
9	Preparation and characterization of PVA/Congo red polymeric composite films for a wide scale laser filters. Optics and Laser Technology, 2017, 90, 197-200.	2.2	55
10	An unexpected reactivity during periodate oxidation of chitosan and the affinity of its 2, 3-di-aldehyde toward sulfa drugs. Carbohydrate Polymers, 2017, 175, 565-574.	5.1	41
11	Homogenous reactions of cellulose from different natural sources. Carbohydrate Polymers, 2008, 74, 942-945.	5.1	39
12	Physicochemical properties of a nanocomposite (graphene oxide-hydroxyapatite-cellulose) immobilized by Ag nanoparticles for biomedical applications. Results in Physics, 2020, 16, 102990.	2.0	35
13	Physical properties of bacterial cellulose sheets produced in presence of lignosulfonate. Enzyme and Microbial Technology, 2006, 40, 9-12.	1.6	33
14	A new method for producing microcrystalline cellulose from Gluconacetobacter xylinus and kenaf. Carbohydrate Polymers, 2011, 84, 1301-1305.	5.1	31
15	Effect of different alkaline solutions on crystalline structure of cellulose at different temperatures. Carbohydrate Polymers, 2015, 115, 658-662.	5.1	31
16	Synthesis and characterization of lignosulfonate/amino-functionalized SBA-15 nanocomposites for the adsorption of methylene blue from wastewater. New Journal of Chemistry, 2020, 44, 2291-2302.	1.4	29
17	Preparation and physicochemical characterization of zinc oxide/sodium cellulose composite for food packaging. Turkish Journal of Chemistry, 2019, 43, 94-105.	0.5	26
18	Mercerization effect on structure and electrical properties of cellulose: Development of a novel fast Na-ionic conductor. Carbohydrate Polymers, 2019, 221, 29-36.	5.1	25

#	ARTICLE	IF	CITATIONS
19	Peculiar behavior of starch 2,3-dialdehyde towards sulfanilamide and sulfathiazole. Carbohydrate Polymers, 2016, 152, 624-631.	5.1	22
20	Synthesis of a Magnetic Nanoparticles/Dialdehyde Starch-Based Composite Film for Food Packaging. Starch/Staerke, 2019, 71, 1800035.	1.1	18
21	Synthesis and characterization of wide-scale UV-vis CUT-OFF laser filter using methyl violet-6B/PMMA polymeric composite films. Sensors and Actuators A: Physical, 2018, 269, 388-393.	2.0	17
22	Structure of Nascent Microbial Cellulose V. Influence of Number of Sulfonate Group in Fluorescent Brightener on Crystal Structure of Microbial Cellulose. Polymer Journal, 1998, 30, 996-1000.	1.3	16
23	Synthesis of a graphene oxide/ $ZnFe_2O_4$ /polyaniline nanocomposite and its structural and electrochemical characterization for supercapacitor application. International Journal of Energy Research, 2022, 46, 2438-2445.	2.2	16
24	A facile approach for the synthesis of spinel zinc ferrite/cellulose as an effective photocatalyst for the degradation of methylene blue in aqueous solution. Cellulose, 2022, 29, 2565-2576.	2.4	16
25	Synthesis and characterization of novel Schiff's bases derived from dialdehyde cellulose-6-phosphate. Cellulose, 2019, 26, 3703-3712.	2.4	15
26	Incorporating of layered double hydroxide/sepiolite to improve the performance of sulfonated poly(ether ether ketone) composite membranes for proton exchange membrane fuel cells. Journal of Applied Polymer Science, 2021, 138, 50364.	1.3	15
27	Synthesis and evaluation of N-allylthiourea-modified chitosan for adsorptive removal of arsenazo III dye from aqueous solutions. International Journal of Biological Macromolecules, 2019, 137, 107-118.	3.6	14
28	Physicochemical characterization of low sulfonated polyether ether ketone/Smectite clay composite for proton exchange membrane fuel cells. Journal of Applied Polymer Science, 2021, 138, .	1.3	13
29	Enhancing biocompatibility of some cation selective electrodes using heparin modified bacterial cellulose. Carbohydrate Polymers, 2015, 134, 687-694.	5.1	12
30	Structure of Nascent Microbial Cellulose VI. Influence of Positions of Sulfonate Groups in Fluorescent Brightener on Crystal Structure of Microbial Cellulose. Polymer Journal, 1999, 31, 61-65.	1.3	10
31	Synthesis and characterization of magnetic nanoparticles/dialdehyde cellulose composite as a flame retardant. Materials Research Express, 2019, 6, 025312.	0.8	10
32	Synthesis and characterization of dialdehyde cellulose/amino-functionalized MCM-41 core-shell microspheres as a new eco-friendly flame-retardant nanocomposite. Journal of Applied Polymer Science, 2021, 138, 50215.	1.3	8
33	Gum Arabic dialdehyde thiosemicarbazone chelating resins for removal mercury (II) from aqueous solutions. , 0, 151, 403-413.		8
34	Novel synthesis of flame-retardant magnetic nanoparticles/hydroxy acid cellulose-6-phosphate composite. Materials Research Express, 2019, 6, 085310.	0.8	7
35	Optical and structural properties of polyvinyl alcohol loaded with different concentrations of lignosulfonate. Journal of Vinyl and Additive Technology, 2019, 25, 85-90.	1.8	7
36	Natural bacterial biodegradable medical polymers. , 2017, , 295-319.		6

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37	Suppression efficacy of lignosulfonate/mercerized cotton fiber composite against cancer cellâ€™s activities. <i>Advanced Composites Letters</i> , 2019, 28, 096369351987597.	1.3	6
38	Synthesis, characterization and ampyrone drug release behavior of magnetite nanoparticle/2,3-dialdehyde cellulose-6-phosphate composite. <i>Cellulose</i> , 2020, 27, 1603-1618.	2.4	6
39	Synthesis, Characterization and Optical Properties of Oxidized Poly Vinyl Alcohol. <i>ChemistrySelect</i> , 2022, 7, .	0.7	6
40	Synthesis of 5-spirocyclohexyl-2,4-dithiohydantoin derivatives: a potential anti-leishmaniasis agent. <i>Monatshefte für Chemie</i> , 2009, 140, 243-249.	0.9	5
41	Cellulase Application in Enzymatic Hydrolysis of Biomass. , 2016, , 185-191.		5
42	Physical Structure Characterization of High Viscosity Kenaf Bast Pulps. <i>Kami Pa Gikyoshi/Japan Tappi Journal</i> , 2005, 59, 1833-1843.	0.1	4
43	A facile approach to the synthesis of bilayer hematite films for efficient photocatalytic degradation of methylene blue dye in aqueous solution. <i>International Journal of Environmental Analytical Chemistry</i> , 2024, 104, 813-826.	1.8	4
44	Natural biodegradable medical polymers. , 2017, , 279-294.		2
45	Structure, thermal stability and electrical properties of celluloseâ€™phosphate : development of a novel fast Naâ€™ionic conductor. <i>Polymer International</i> , 2021, 70, 1290-1297.	1.6	2
46	Highly conducting solid electrolyte films based on bivalent cations (Zn, Fe, and Ni)/oxidized PVA composites. <i>Journal of Non-Crystalline Solids</i> , 2022, 588, 121609.	1.5	2
47	Synthesis and characterization of cellulose hydrogel/graphene oxide/polyaniline composite for highâ€™performing supercapacitors. <i>International Journal of Energy Research</i> , 2022, 46, 13844-13854.	2.2	2
48	Grafting of Cellulose Extracted from Kenaf Using Xanthate Method. <i>Journal of Basic & Applied Sciences</i> , 0, 10, 339-343.	0.8	1
49	Physicochemical characterization of different cellulose polymorphs/graphene oxide composites and their antibacterial activity. <i>Turkish Journal of Chemistry</i> , 2018, 42, .	0.5	0
50	Biopolymer Nanocomposite Based Food Packaging. <i>Food Engineering Series</i> , 2020, , 177-188.	0.3	0