Qiang Yong

List of Publications by Citations

36	898	18	29
papers	citations	h-index	g-index
46	1,194	6.3	4.6
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
36	A sustainable process for procuring biologically active fractions of high-purity xylooligosaccharides and water-soluble lignin from bamboo prehydrolyzate. *Biotechnology for Biofuels*, **2019**, 12, 189	7.8	130
35	Ultralight, highly thermally insulating and fire resistant aerogel by encapsulating cellulose nanofibers with two-dimensional MoS. *Nanoscale*, **2017**, 9, 11452-11462	7.7	70
34	Unveiling the Structural Properties of Lignin□Carbohydrate Complexes in Bamboo Residues and Its Functionality as Antioxidants and Immunostimulants. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 12522-12531	8.3	61
33	Characterization of Kraft Lignin Fractions Obtained by Sequential Ultrafiltration and Their Potential Application as a Biobased Component in Blends with Polyethylene. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 11770-11779	8.3	58
32	Structural Characterization of the Lignins from the Green and Yellow Bamboo of Bamboo Culm (Phyllostachys pubescens). *Journal of Wood Chemistry and Technology*, **2016**, 36, 157-172	2	57
31	Enhanced enzymatic digestibility of mixed wood sawdust by lignin modification with naphthol derivatives during dilute acid pretreatment. *Bioresource Technology*, **2018**, 269, 18-24	11	44
30	Lignin Alkylation Enhances Enzymatic Hydrolysis of Lignocellulosic Biomass. *Energy & Fuels*, **2017**, 31, 12317-12326	4.1	42
29	Co-production of xylooligosaccharides and fermentable sugars from poplar through acetic acid pretreatment followed by poly (ethylene glycol) ether assisted alkali treatment. *Bioresource Technology*, **2019**, 288, 121569	11	40
28	Revealing the effects of centuries of ageing on the chemical structural features of lignin in archaeological fir woods. *New Journal of Chemistry*, **2019**, 43, 3520-3528	3.6	36
27	Construction of arabinogalactans/selenium nanoparticles composites for enhancement of the antitumor activity. *International Journal of Biological Macromolecules*, **2019**, 128, 444-451	7.9	35
26	Enhanced enzymatic saccharification of corn stover by in situ modification of lignin with poly (ethylene glycol) ether during low temperature alkali pretreatment. *Bioresource Technology*, **2017**, 244, 92-99	11	35
25	Disparate roles of solvent extractable lignin and residual bulk lignin in enzymatic hydrolysis of pretreated sweetgum. *RSC Advances*, **2015**, 5, 97966-97974	3.7	33
24	Co-production of bio-ethanol, xylonic acid and slow-release nitrogen fertilizer from low-cost straw pulping solid residue. *Bioresource Technology*, **2018**, 250, 365-373	11	28
23	Characterization of arabinogalactans from Larix principis-rupprechtii and their effects on NO production by macrophages. *Carbohydrate Polymers*, **2018**, 200, 408-415	10.3	25
22	Tuning the cellulose nanocrystal alignments for supramolecular assembly of chiral nematic films with highly efficient UVB shielding capability. *Journal of Materials Chemistry C*, **2020**, 8, 8493-8501	7.1	24
21	Porous artificial bone scaffold synthesized from a facile in situ hydroxyapatite coating and crosslinking reaction of crystalline nanocellulose. *Materialia*, **2018**, 4, 237-246	3.2	22
20	Isolation, characterization and in vitro anticancer activity of an aqueous galactomannan from the seed of Sesbania cannabina. *International Journal of Biological Macromolecules*, **2018**, 113, 1241-1247	7.9	21

19	Cause analysis of the effects of acid-catalyzed steam-exploded corn stover prehydrolyzate on ethanol fermentation by Pichia stipitis CBS 5776. *Bioprocess and Biosystems Engineering*, **2014**, 37, 2215-22	3.7	20
18	Biomimetic composite scaffold from an hydroxyapatite coating on cellulose nanocrystals.. *RSC Advances*, **2019**, 9, 5786-5793	3.7	18
17	Production of dissolving grade pulp from tobacco stalk through SO2-ethanol-water fractionation, alkaline extraction, and bleaching processes. *BioResources*, **2019**, 14, 5544-5558	1.3	15
16	Enhancing enzymatic digestibility of waste wheat straw by presoaking to reduce the ash-influencing effect on autohydrolysis. *Biotechnology for Biofuels*, **2019**, 12, 222	7.8	14
15	Synergistic effects of pH and organosolv lignin addition on the enzymatic hydrolysis of organosolv-pretreated loblolly pine.. *RSC Advances*, **2018**, 8, 13835-13841	3.7	12
14	An improved process of ethanol production from hemicellulose: bioconversion of undetoxified hemicellulosic hydrolyzate from steam-exploded corn stover with a domesticated Pichia stipitis. *Applied Biochemistry and Biotechnology*, **2012**, 167, 2330-40	3.2	10
13	Synthesis and Characterization of an Antioxidative Galactomannan?Iron(III) Complex from Seed. *Polymers*, **2018**, 11,	4.5	8
12	A facile quantitative characterization method of incomplete degradation products of galactomannan by ethanol fractional precipitation. *Carbohydrate Polymers*, **2020**, 250, 116951	10.3	8
11	Fungal chitosan production using xylose rich of corn stover prehydrolysate by Rhizopus oryzae. *Biotechnology and Biotechnological Equipment*, **2017**, 31, 1160-1166	1.6	7
10	Efficient production of xylooligosaccharides rich in xylobiose and xylotriose from poplar by hydrothermal pretreatment coupled with post-enzymatic hydrolysis. *Bioresource Technology*, **2021**, 342, 125955	11	6
9	Effects of seleno-Sesbania canabina galactomannan on anti-oxidative and immune function of macrophage. *Carbohydrate Polymers*, **2021**, 261, 117833	10.3	5
8	Actuating, shape reconstruction, and reinforcement of galactomannan-based hydrogels by coordination bonds induced metal ions capture. *International Journal of Biological Macromolecules*, **2020**, 165, 2721-2730	7.9	4
7	Fabrication of hydrophobic and high-strength packaging films based on the esterification modification of galactomannan. *International Journal of Biological Macromolecules*, **2021**, 167, 1221-1229	7.9	3
6	Investigation of galactomannan/deacetylated chitosan nanocomposite films and their anti-bacterial capabilities. *Materials Today Communications*, **2022**, 30, 103002	2.5	2
5	Coadsorption behaviors and mechanisms of Pb(ii) and methylene blue onto a biodegradable multi-functional adsorbent with temperature-tunable selectivity.. *RSC Advances*, **2020**, 10, 35636-35645	3.7	2
4	The Increase of Incomplete Degradation Products of Galactomannan Production by Synergetic Hydrolysis of β-Mannanase and α-Galactosidase. *Applied Biochemistry and Biotechnology*, **2021**, 193, 405-416	3.2	2
3	Facile adjustment on cellulose nanocrystals composite films with glycerol and benzyl acrylate copolymer for enhanced UV shielding property.. *International Journal of Biological Macromolecules*, **2022**, 204, 41-41	7.9	0
2	Assessing the in vitro digestion of Sesbania gum, a galactomannan from S. cannabina, and subsequent impact on the fecal microbiota. *Journal of Functional Foods*, **2021**, 87, 104766	5.1	

1	Using One-pot Fermentation Technology to Prepare Enzyme Cocktail to Sustainably Produce Low Molecular Weight Galactomannans from Sesbania cannabina Seeds.. *Applied Biochemistry and Biotechnology*, **2022**, 1	3.2