

Qiang Yong

List of Publications by Year in Descending Order

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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.

36

papers

898

citations

18

h-index

29

g-index

46

ext. papers

1,194

ext. citations

6.3

avg, IF

4.6

L-index

#	Paper	IF	Citations
36	Facile adjustment on cellulose nanocrystals composite films with glycerol and benzyl acrylate copolymer for enhanced UV shielding property.. <i>International Journal of Biological Macromolecules</i> , 2022 , 204, 41-41	7.9	0
35	Investigation of galactomannan/deacetylated chitosan nanocomposite films and their anti-bacterial capabilities. <i>Materials Today Communications</i> , 2022 , 30, 103002	2.5	2
34	Using One-pot Fermentation Technology to Prepare Enzyme Cocktail to Sustainably Produce Low Molecular Weight Galactomannans from Sesbania cannabina Seeds.. <i>Applied Biochemistry and Biotechnology</i> , 2022 , 1	3.2	
33	Effects of seleno-Sesbania canabina galactomannan on anti-oxidative and immune function of macrophage. <i>Carbohydrate Polymers</i> , 2021 , 261, 117833	10.3	5
32	Fabrication of hydrophobic and high-strength packaging films based on the esterification modification of galactomannan. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 1221-1229	7.9	3
31	The Increase of Incomplete Degradation Products of Galactomannan Production by Synergetic Hydrolysis of Mannanase and Galactosidase. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 405-416	3.2	2
30	Assessing the in vitro digestion of Sesbania gum, a galactomannan from S. cannabina, and subsequent impact on the fecal microbiota. <i>Journal of Functional Foods</i> , 2021 , 87, 104766	5.1	
29	Efficient production of xylooligosaccharides rich in xylobiose and xylotriose from poplar by hydrothermal pretreatment coupled with post-enzymatic hydrolysis. <i>Bioresource Technology</i> , 2021 , 342, 125955	11	6
28	Tuning the cellulose nanocrystal alignments for supramolecular assembly of chiral nematic films with highly efficient UVB shielding capability. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8493-8501	7.1	24
27	Actuating, shape reconstruction, and reinforcement of galactomannan-based hydrogels by coordination bonds induced metal ions capture. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2721-2730	7.9	4
26	Coadsorption behaviors and mechanisms of Pb(ii) and methylene blue onto a biodegradable multi-functional adsorbent with temperature-tunable selectivity.. <i>RSC Advances</i> , 2020 , 10, 35636-35645	3.7	2
25	A facile quantitative characterization method of incomplete degradation products of galactomannan by ethanol fractional precipitation. <i>Carbohydrate Polymers</i> , 2020 , 250, 116951	10.3	8
24	Enhancing enzymatic digestibility of waste wheat straw by presoaking to reduce the ash-influencing effect on autohydrolysis. <i>Biotechnology for Biofuels</i> , 2019 , 12, 222	7.8	14
23	Construction of arabinogalactans/selenium nanoparticles composites for enhancement of the antitumor activity. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 444-451	7.9	35
22	Revealing the effects of centuries of ageing on the chemical structural features of lignin in archaeological fir woods. <i>New Journal of Chemistry</i> , 2019 , 43, 3520-3528	3.6	36
21	Co-production of xylooligosaccharides and fermentable sugars from poplar through acetic acid pretreatment followed by poly (ethylene glycol) ether assisted alkali treatment. <i>Bioresource Technology</i> , 2019 , 288, 121569	11	40
20	Biomimetic composite scaffold from an hydroxyapatite coating on cellulose nanocrystals.. <i>RSC Advances</i> , 2019 , 9, 5786-5793	3.7	18

19	A sustainable process for procuring biologically active fractions of high-purity xylooligosaccharides and water-soluble lignin from bamboo prehydrolyzate. <i>Biotechnology for Biofuels</i> , 2019 , 12, 189	7.8	130
18	Production of dissolving grade pulp from tobacco stalk through SO ₂ -ethanol-water fractionation, alkaline extraction, and bleaching processes. <i>BioResources</i> , 2019 , 14, 5544-5558	1.3	15
17	Synthesis and Characterization of an Antioxidative Galactomannan-Iron(III) Complex from Seed. <i>Polymers</i> , 2018 , 11,	4.5	8
16	Isolation, characterization and in vitro anticancer activity of an aqueous galactomannan from the seed of <i>Sesbania cannabina</i> . <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 1241-1247	7.9	21
15	Unveiling the Structural Properties of Lignin-Carbohydrate Complexes in Bamboo Residues and Its Functionality as Antioxidants and Immunostimulants. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12522-12531	8.3	61
14	Synergistic effects of pH and organosolv lignin addition on the enzymatic hydrolysis of organosolv-pretreated loblolly pine.. <i>RSC Advances</i> , 2018 , 8, 13835-13841	3.7	12
13	Enhanced enzymatic digestibility of mixed wood sawdust by lignin modification with naphthol derivatives during dilute acid pretreatment. <i>Bioresource Technology</i> , 2018 , 269, 18-24	11	44
12	Characterization of arabinogalactans from <i>Larix principis-rupprechtii</i> and their effects on NO production by macrophages. <i>Carbohydrate Polymers</i> , 2018 , 200, 408-415	10.3	25
11	Co-production of bio-ethanol, xylonic acid and slow-release nitrogen fertilizer from low-cost straw pulping solid residue. <i>Bioresource Technology</i> , 2018 , 250, 365-373	11	28
10	Porous artificial bone scaffold synthesized from a facile in situ hydroxyapatite coating and crosslinking reaction of crystalline nanocellulose. <i>Materialia</i> , 2018 , 4, 237-246	3.2	22
9	Characterization of Kraft Lignin Fractions Obtained by Sequential Ultrafiltration and Their Potential Application as a Biobased Component in Blends with Polyethylene. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 11770-11779	8.3	58
8	Lignin Alkylation Enhances Enzymatic Hydrolysis of Lignocellulosic Biomass. <i>Energy & Fuels</i> , 2017 , 31, 12317-12326	4.1	42
7	Enhanced enzymatic saccharification of corn stover by in situ modification of lignin with poly (ethylene glycol) ether during low temperature alkali pretreatment. <i>Bioresource Technology</i> , 2017 , 244, 92-99	11	35
6	Fungal chitosan production using xylose rich of corn stover prehydrolysate by <i>Rhizopus oryzae</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2017 , 31, 1160-1166	1.6	7
5	Ultralight, highly thermally insulating and fire resistant aerogel by encapsulating cellulose nanofibers with two-dimensional MoS ₂ . <i>Nanoscale</i> , 2017 , 9, 11452-11462	7.7	70
4	Structural Characterization of the Lignins from the Green and Yellow Bamboo of Bamboo Culm (<i>Phyllostachys pubescens</i>). <i>Journal of Wood Chemistry and Technology</i> , 2016 , 36, 157-172	2	57
3	Disparate roles of solvent extractable lignin and residual bulk lignin in enzymatic hydrolysis of pretreated sweetgum. <i>RSC Advances</i> , 2015 , 5, 97966-97974	3.7	33
2	Cause analysis of the effects of acid-catalyzed steam-exploded corn stover prehydrolyzate on ethanol fermentation by <i>Pichia stipitis</i> CBS 5776. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 2215-2227	3.7	20

- 1 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