

Yanzhu Guo

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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.

42
papers

850
citations

18
h-index

28
g-index

48
ext. papers

1,142
ext. citations

6.2
avg, IF

4.61
L-index

#	Paper	IF	Citations
42	Study on the mechanism of inhibiting the calcification of anaerobic granular sludge induced by the addition of trace signal molecule (3O-C6-HSL). <i>Bioresource Technology</i> , 2022 , 344, 126232	11	1
41	Correlation between physicochemical characteristics of lignin deposited on autohydrolyzed wood chips and their cellulase enzymatic hydrolysis.. <i>Bioresource Technology</i> , 2022 , 126941	11	0
40	NiP/P-N-C Derived from Natural Single-Celled Chlorella for Catalytic Depolymerization of Lignin into Monophenols.. <i>ACS Omega</i> , 2022 , 7, 13134-13143	3.9	1
39	Green solvents-based molecular weight controllable fractionation process for industrial alkali lignin at room temperature.. <i>International Journal of Biological Macromolecules</i> , 2022 , 207, 531-540	7.9	1
38	Lignin-based electrospinning nanofibers for reversible iodine capture and potential applications.. <i>International Journal of Biological Macromolecules</i> , 2022 , 208, 782-793	7.9	1
37	Fluorescent N-functionalized carbon nanodots from carboxymethylcellulose for sensing of high-valence metal ions and cell imaging.. <i>RSC Advances</i> , 2021 , 11, 34898-34907	3.7	
36	Fabrication of porous ultrathin carbon nitride nanosheet catalysts with enhanced photocatalytic activity for N- and O-heterocyclic compound synthesis. <i>New Journal of Chemistry</i> , 2021 , 45, 365-372	3.6	4
35	Green Preparation of Thermochromic Starch-Based Fibers through a Wet-Spinning Process. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 436-444	4.3	3
34	Enhanced adsorption activity for phosphate removal by functional lignin-derived carbon-based adsorbent: Optimization, performance and evaluation. <i>Science of the Total Environment</i> , 2021 , 761, 143217	19.2	27
33	State-of-the-Art: Applications and Industrialization of Lignin Micro/Nano Particles. <i>ChemSusChem</i> , 2021 , 14, 1284-1294	8.3	10
32	Nitrogen-doped lignin-derived biochar with enriched loading of CeO nanoparticles for highly efficient and rapid phosphate capture. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 1484-1494	7.9	2
31	Study on polysaccharide polyelectrolyte complex and fabrication of alginate/chitosan derivative composite fibers. <i>International Journal of Biological Macromolecules</i> , 2021 , 184, 181-187	7.9	5
30	Facile synthesis of cobalt Disulfide/Carbon nanotube composite as High-performance supercapacitors electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 897, 115570	4.1	0
29	Preparation of magnesium, nitrogen-codoped carbon quantum dots from lignin with bright green fluorescence and sensitive pH response. <i>Industrial Crops and Products</i> , 2021 , 167, 113507	5.9	9
28	Chemoselective Hydrogenation of Functionalized Nitroarenes into Anilines by Supported Molybdenum Catalysts. <i>ChemistrySelect</i> , 2020 , 5, 7249-7253	1.8	2
27	Preparation of carbon dots from waste cellulose diacetate as a sensor for tetracycline detection and fluorescence ink. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 4289-4298	7.9	9
26	Preparation of sulfur-doped carbon quantum dots from lignin as a sensor to detect Sudan I in an acidic environment. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10788-10796	7.3	22

25	Generation and Use of Lignin-AMPS in Extended DLVO Theory for Evaluating the Flocculation of Colloidal Particles. <i>ACS Omega</i> , 2020 , 5, 21032-21041	3.9	4
24	Renewable lignin-based carbon nanofiber as Ni catalyst support for depolymerization of lignin to phenols in supercritical ethanol/water. <i>Renewable Energy</i> , 2020 , 147, 1331-1339	8.1	50
23	Oxidized nanocellulose facilitates preparing photoluminescent nitrogen-doped fluorescent carbon dots for Fe ³⁺ ions detection and bioimaging. <i>Chemical Engineering Journal</i> , 2020 , 384, 123260	14.7	43
22	Sulfonic-acid-functionalized carbon fiber from waste newspaper as a recyclable carbon based solid acid catalyst for the hydrolysis of cellulose.. <i>RSC Advances</i> , 2019 , 9, 28902-28907	3.7	18
21	One-pot preparation of zwitterion-type lignin polymers. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 429-440	7.9	5
20	Cationic micelles self-assembled from quaternized cellulose-g-oligo (ϵ -caprolactone) amphiphilic copolymers. <i>European Polymer Journal</i> , 2019 , 119, 385-392	5.2	5
19	Self-assembly of cationic amphiphilic cellulose-g-poly (p-dioxanone) copolymers. <i>Carbohydrate Polymers</i> , 2019 , 204, 214-222	10.3	18
18	Effect of particle size of HZSM-5 zeolite on the catalytic depolymerization of organosolv lignin to phenols. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 129, 13-20	6	30
17	Hydroxypropyl sulfonated kraft lignin as a coagulant for cationic dye. <i>Industrial Crops and Products</i> , 2018 , 124, 273-283	5.9	25
16	Lignin Structure and Solvent Effects on the Selective Removal of Condensed Units and Enrichment of S-Type Lignin. <i>Polymers</i> , 2018 , 10,	4.5	16
15	Structural changes of poplar wood lignin after supercritical pretreatment using carbon dioxide and ethanol/water as co-solvents. <i>RSC Advances</i> , 2017 , 7, 8314-8322	3.7	50
14	Multi-color light-emitting amphiphilic cellulose/conjugated polymers nanomicelles for tumor cell imaging. <i>Cellulose</i> , 2017 , 24, 889-902	5.5	14
13	Preparation, characterization and the adsorption characteristics of lignin/silica nanocomposites from cellulosic ethanol residue. <i>RSC Advances</i> , 2017 , 7, 41176-41181	3.7	19
12	Self-assembly and paclitaxel loading capacity of β -ocopherol succinate-conjugated hydroxyethyl cellulose nanomicelle. <i>Colloid and Polymer Science</i> , 2016 , 294, 135-143	2.4	13
11	Self-assembly and β -carotene loading capacity of hydroxyethyl cellulose-graft-linoleic acid nanomicelles. <i>Carbohydrate Polymers</i> , 2016 , 145, 56-63	10.3	49
10	Synthesis, characterization, and micellar behaviors of hydroxyethyl cellulose-graft-poly(lactide/ ϵ -caprolactone/p-dioxanone). <i>Cellulose</i> , 2015 , 22, 2365-2374	5.5	23
9	Structural transformations of triploid of <i>Populus tomentosa</i> Carr. lignin during auto-catalyzed ethanol organosolv pretreatment. <i>Industrial Crops and Products</i> , 2015 , 76, 522-529	5.9	52
8	Synthesis and Characterization of Cellulose-graft-poly(p-dioxanone) Copolymers via Homogeneous Ring-Opening Graft Polymerization in Ionic Liquids. <i>BioResources</i> , 2015 , 11,	1.3	5

7	Preparation of fluorescent core/shell nanoparticles from amphiphilic cellulose-based copolymers for tumor cell imaging. <i>Journal of Controlled Release</i> , 2015 , 213, e132	11.7	3
6	Preparation of cellulose-graft-poly(ϵ -caprolactone) nanomicelles by homogeneous ROP in ionic liquid. <i>Carbohydrate Polymers</i> , 2013 , 92, 77-83	10.3	74
5	Direct grafting modification of pulp in ionic liquids and self-assembly behavior of the graft copolymers. <i>Cellulose</i> , 2013 , 20, 873-884	5.5	34
4	Self-assembly and paclitaxel loading capacity of cellulose-graft-poly(lactide) nanomicelles. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 3900-8	5.7	73
3	Fluorescent amphiphilic cellulose nanoaggregates for sensing trace explosives in aqueous solution. <i>Chemical Communications</i> , 2012 , 48, 5569-71	5.8	81
2	Preparation of Long-Chain Fatty Acyl-Grafted Chitosan in an Ionic Liquid and Their Self-Assembled Micelles in Water. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 2483-2492	1.4	5
1	Synthesis and characterization of hydrophobic long-chain fatty acylated cellulose and its self-assembled nanoparticles. <i>Polymer Bulletin</i> , 2012 , 69, 389-403	2.4	39