

Fan-Gong Kong

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,885
citations

236612

25
h-index

288905

40
g-index

76
all docs

76
docs citations

76
times ranked

2135
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction of cellulose nano-crystals from old corrugated container fiber using phosphoric acid and enzymatic hydrolysis followed by sonication. Carbohydrate Polymers, 2015, 125, 360-366.	5.1	166
2	Lignin-Based Nanoparticles Stabilized Pickering Emulsion for Stability Improvement and Thermal-Controlled Release of <i>trans</i> -Resveratrol. ACS Sustainable Chemistry and Engineering, 2019, 7, 13497-13504.	3.2	103
3	Preparation of cationic softwood kraft lignin and its application in dye removal. European Polymer Journal, 2015, 67, 335-345.	2.6	101
4	Water soluble kraft lignin-acrylic acid copolymer: synthesis and characterization. Green Chemistry, 2015, 17, 4355-4366.	4.6	99
5	A lignin-containing cellulose hydrogel for lignin fractionation. Green Chemistry, 2019, 21, 5222-5230.	4.6	89
6	Mn ₃ O ₄ @NC Composite Nanorods as a Cathode for Rechargeable Aqueous Zn-Ion Batteries. ChemElectroChem, 2019, 6, 2510-2516.	1.7	77
7	Chitosan/titanium dioxide nanocomposite coatings: Rheological behavior and surface application to cellulosic paper. Carbohydrate Polymers, 2016, 151, 752-759.	5.1	69
8	Novel Process for Generating Cationic Lignin Based Flocculant. Industrial & Engineering Chemistry Research, 2018, 57, 6595-6608.	1.8	63
9	Production of cationic xylan-METAC copolymer as a flocculant for textile industry. Carbohydrate Polymers, 2015, 124, 229-236.	5.1	61
10	Lignin-based superhydrophobic melamine resin sponges and their application in oil/water separation. Industrial Crops and Products, 2021, 170, 113798.	2.5	44
11	Facile synthesis of TiO ₂ /CNC nanocomposites for enhanced Cr(VI) photoreduction: Synergistic roles of cellulose nanocrystals. Carbohydrate Polymers, 2020, 233, 115838.	5.1	43
12	Reversible photo-controlled release of bovine serum albumin by azobenzene-containing cellulose nanofibrils-based hydrogel. Advanced Composites and Hybrid Materials, 2019, 2, 462-470.	9.9	41
13	Synthesis of cellulose aerogels as promising carriers for drug delivery: a review. Cellulose, 2021, 28, 2697-2714.	2.4	39
14	Self-Healing of Polymer in Acidic Water toward Strength Restoration through the Synergistic Effect of Hydrophilic and Hydrophobic Interactions. ACS Applied Materials & Interfaces, 2017, 9, 37300-37309.	4.0	39
15	A novel dicyanoisophorone based red-emitting fluorescent probe with a large Stokes shift for detection of hydrazine in solution and living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 160-167.	2.0	35
16	Photocatalytic degradation of dyes over a xylan/PVA/TiO ₂ composite under visible light irradiation. Carbohydrate Polymers, 2019, 223, 115081.	5.1	34
17	A biotin-guided two-photon fluorescent probe for detection of hydrogen peroxide in cancer cells ferroptosis process. Talanta, 2021, 234, 122684.	2.9	32
18	Cationic High Molecular Weight Lignin Polymer: A Flocculant for the Removal of Anionic Azo-Dyes from Simulated Wastewater. Molecules, 2018, 23, 2005.	1.7	30

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19	Removal of copper and cadmium ions from alkaline solutions using chitosan-tannin functional paper materials as adsorbent. <i>Chemosphere</i> , 2019, 236, 124370.	4.2	30
20	A one-pot strategy for preparation of high-strength carboxymethyl xylan-g-poly(acrylic acid) hydrogels with shape memory property. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 507-518.	5.0	30
21	A separable paper adhesive based on the starch-lignin composite. <i>Carbohydrate Polymers</i> , 2020, 229, 115488.	5.1	30
22	A high-capacity and long-life aqueous rechargeable zinc battery using a porous metal-organic coordination polymer nanosheet cathode. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3067-3073.	3.0	27
23	The copolymer of polyvinyl acetate containing lignin-vinyl acetate monomer: Synthesis and characterization. <i>European Polymer Journal</i> , 2020, 123, 109411.	2.6	27
24	High-Performance Photodetectors Based on Nanostructured Perovskites. <i>Nanomaterials</i> , 2021, 11, 1038.	1.9	27
25	Facile fabrication and structure control of SiO ₂ /carbon via in situ doping from liquefied bio-based sawdust for supercapacitor applications. <i>Industrial Crops and Products</i> , 2020, 151, 112490.	2.5	26
26	A new lamellar larch-based carbon material: Fabrication, electrochemical characterization and supercapacitor applications. <i>Industrial Crops and Products</i> , 2020, 148, 112306.	2.5	24
27	Construction of a dual-response fluorescent probe for copper (II) ions and hydrogen sulfide (H ₂ S) detection in cells and its application in exploring the increased copper-dependent cytotoxicity in present of H ₂ S. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119299.	2.0	23
28	Design of asymmetric-adhesion lignin reinforced hydrogels with anti-interference for strain sensing and moist air induced electricity generator. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 104-110.	3.6	21
29	Calixarene-Protected Titanium-Oxo Clusters and Their Photocurrent Responses and Photocatalytic Performances. <i>Inorganic Chemistry</i> , 2021, 60, 5034-5041.	1.9	20
30	Preparation and Application of Phosphorylated Xylan as a Flocculant for Cationic Ethyl Violet Dye. <i>Polymers</i> , 2018, 10, 317.	2.0	19
31	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.	1.6	19
32	A functionalized bio-based material with abundant mesopores and catechol groups for efficient removal of boron. <i>Chemosphere</i> , 2021, 263, 128202.	4.2	19
33	Lignin copolymers as corrosion inhibitor for carbon steel. <i>Industrial Crops and Products</i> , 2021, 168, 113585.	2.5	19
34	Interaction of poly(acrylic acid) and aluminum oxide particles in suspension: Particle size effect. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 556, 218-226.	2.3	18
35	Temperature-responsive hydroxypropyl methylcellulose-N-isopropylacrylamide aerogels for drug delivery systems. <i>Cellulose</i> , 2020, 27, 9493-9504.	2.4	18
36	Improvement of Stability of Tea Polyphenols: A Review. <i>Current Pharmaceutical Design</i> , 2018, 24, 3410-3423.	0.9	16

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37	Construction of a novel cell-trappable fluorescent probe for hydrogen sulfide (H ₂ S) and its bio-imaging application. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7127-7136.	1.9	15
38	Construction of eco-friendly corrosion inhibitor lignin derivative with excellent corrosion-resistant behavior in hydrochloric acid solution. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 1903-1912.	0.8	15
39	Lignin derived hydrogel with highly adhesive for flexible strain sensors. <i>Polymer Testing</i> , 2022, 107, 107486.	2.3	15
40	Preparation and Characterization of Softwood Kraft Lignin Copolymers as a Paper Strength Additive. <i>Polymers</i> , 2018, 10, 743.	2.0	14
41	Construction of a Novel Lignin-Based Quaternary Ammonium Material with Excellent Corrosion Resistant Behavior and Its Application for Corrosion Protection. <i>Materials</i> , 2019, 12, 1776.	1.3	14
42	Application of Polyvinyl Acetate/Lignin Copolymer as Bio-Based Coating Material and Its Effects on Paper Properties. <i>Coatings</i> , 2021, 11, 192.	1.2	14
43	A Comprehensive Review on Utilization of Slaughterhouse By-Product: Current Status and Prospect. <i>Sustainability</i> , 2022, 14, 6469.	1.6	14
44	Synthesis of nanocomposites using xylan and graphite oxide for remediation of cationic dyes in aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 886-894.	3.6	13
45	Lignin reinforced hydrogels with fast self-recovery, multi-functionalities via calcium ion bridging for flexible smart sensing applications. <i>International Journal of Biological Macromolecules</i> , 2022, 200, 226-233.	3.6	13
46	Temperature/pH-Responsive Carboxymethyl Cellulose/Poly (N-isopropyl acrylamide) Interpenetrating Polymer Network Aerogels for Drug Delivery Systems. <i>Polymers</i> , 2022, 14, 1578.	2.0	13
47	Effects of Fiber Dimension and Its Distribution on the Properties of Lyocell and Ramie Fibers Reinforced Poly lactide Composites. <i>Fibers and Polymers</i> , 2019, 20, 1726-1732.	1.1	12
48	Preparation of yolk-shell Fe ₃ O ₄ @N-doped carbon nanocomposite particles as anode in lithium ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11569-11575.	1.1	11
49	Development of Cellulosic Paper-Based Test Strips for Mercury(II) Determination in Aqueous Solution. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-7.	0.7	10
50	Preparation of three-dimensional fiber-network chitosan films for the efficient treatment of uranium-contaminated effluents. <i>Water Science and Technology</i> , 2020, 81, 52-61.	1.2	10
51	Manganese oxides/N-doped carbon particles with high capacity retention for aqueous rechargeable zinc battery. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	9
52	Effect of lignin-based monomer on controlling the molecular weight and physical properties of the polyacrylonitrile/lignin copolymer. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2312-2322.	3.6	9
53	Preparation and application of sulfated xylan as a flocculant for dye solution. <i>Biotechnology Progress</i> , 2018, 34, 529-536.	1.3	8
54	Designed Synthesis of CoO/CuO/rGO Ternary Nanocomposites as High-Performance Anodes for Lithium-Ion Batteries. <i>Jom</i> , 2018, 70, 1793-1799.	0.9	8

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55	Preparation and Application of Carboxymethylated Xylan as a Flocculant for Ethyl Violet Dye in Aqueous Systems. <i>Journal of Wood Chemistry and Technology</i> , 2018, 38, 324-337.	0.9	8
56	A high lignin-content, ultralight, and hydrophobic aerogel for oil-water separation: preparation and characterization. <i>Journal of Porous Materials</i> , 2021, 28, 1881-1894.	1.3	8
57	Biopolymer Substrates in Buccal Drug Delivery: Current Status and Future Trend. <i>Current Medicinal Chemistry</i> , 2020, 27, 1661-1669.	1.2	8
58	Facile Control of the Porous Structure of Larch-Derived Mesoporous Carbons via Self-Assembly for Supercapacitors. <i>Materials</i> , 2017, 10, 1330.	1.3	6
59	Facile synthesis of elemental silver by the seed nucleus embedding method for antibacterial applications. <i>Cellulose</i> , 2018, 25, 5289-5296.	2.4	6
60	Percolation Model for Renewable-Carbon Doped Functional Composites in Packaging Application: A Brief Review. <i>Coatings</i> , 2020, 10, 193.	1.2	6
61	High Acid Biochar-Based Solid Acid Catalyst from Corn Stalk for Lignin Hydrothermal Degradation. <i>Polymers</i> , 2020, 12, 1623.	2.0	5
62	Ferrocene-sensitized titanium-oxo clusters with effective visible light absorption and excellent photoelectrochemical activity. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 959-967.	3.0	5
63	Preparation and Performance of Lignin-Based Multifunctional Superhydrophobic Coating. <i>Molecules</i> , 2022, 27, 1440.	1.7	5
64	Recent Studies on the Preparation and Application of Ionic Amphiphilic Lignin: A Comprehensive Review. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8871-8891.	2.4	5
65	Silver-doped carbon fibers at low loading capacity that display high antibacterial properties. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1628-1637.	1.6	4
66	Pressure Reduction Enhancing the Production of 5-Hydroxymethylfurfural from Glucose in Aqueous Phase Catalysis System. <i>Polymers</i> , 2021, 13, 2096.	2.0	4
67	Construction of a unique two-photon fluorescent probe and the application for endogenous CO detection in live organisms. <i>Talanta</i> , 2022, 240, 123194.	2.9	4
68	A biomass-assembled macro/meso-porous nano-scavenger for Hg ion trapping. <i>New Journal of Chemistry</i> , 2021, 45, 17002-17008.	1.4	3
69	Synergistic Degradation of Chloramphenicol by an Ultrasound-Enhanced Fenton-like Sponge Iron System. <i>Water (Switzerland)</i> , 2021, 13, 3561.	1.2	3
70	Design of double-shelled and dual-cavity structures in Fe ₃ O ₄ @Void@PMAA@Void@TiO ₂ nanocomposite particles for comprehensive photocatalyst and adsorbent applications. <i>Colloid and Polymer Science</i> , 2018, 296, 1719-1728.	1.0	2
71	Magnetic ferroferric oxide/phenolic resin/silver core-shell nanocomposite as recyclable substrates for enhancing surface-enhanced Raman scattering. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 92, 124-133.	1.1	2
72	Development of Papyrus Fiber Reinforced Natural Rubber Composite for Shoe Sole. <i>Journal of Natural Fibers</i> , 2022, 19, 5344-5354.	1.7	2

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73	Thermoplastic polyurethane/poly(methyl methacrylate)/titania gel electrolyte film with high voltage and coulombic efficiency for lithium-ion battery. <i>Ionics</i> , 2019, 25, 3695-3704.	1.2	1
74	A family of oxime-based titanium-oxo clusters: synthesis, structures, and photoelectric responses. <i>CrystEngComm</i> , 0, , .	1.3	1
75	Preparation and characterization of cellulosic conductive paper. <i>Journal of Wood Chemistry and Technology</i> , 2021, 41, 34-45.	0.9	0