

Dongjie Yang

List of Publications by Citations

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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.

101
papers

2,688
citations

29
h-index

48
g-index

104
ext. papers

3,442
ext. citations

6.1
avg, IF

5.56
L-index

#	Paper	IF	Citations
101	Formation of uniform colloidal spheres from lignin, a renewable resource recovered from pulping spent liquor. <i>Green Chemistry</i> , 2014 , 16, 2156	10	249
100	Properties of sodium lignosulfonate as dispersant of coal water slurry. <i>Energy Conversion and Management</i> , 2007 , 48, 2433-2438	10.6	144
99	Biomimetic Supertough and Strong Biodegradable Polymeric Materials with Improved Thermal Properties and Excellent UV-Blocking Performance. <i>Advanced Functional Materials</i> , 2019 , 29, 1806912	15.6	128
98	Reduction of lignin color via one-step UV irradiation. <i>Green Chemistry</i> , 2016 , 18, 695-699	10	106
97	Reducing non-productive adsorption of cellulase and enhancing enzymatic hydrolysis of lignocelluloses by noncovalent modification of lignin with lignosulfonate. <i>Bioresource Technology</i> , 2013 , 146, 478-484	11	85
96	Corrosion and Scale Inhibition Properties of Sodium Lignosulfonate and Its Potential Application in Recirculating Cooling Water System. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 5716-5721	3.9	81
95	Investigation of grafted sulfonated alkali lignin polymer as dispersant in coal-water slurry. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 27, 192-200	6.3	76
94	Preparation of Lignin-Based Superplasticizer by Graft Sulfonation and Investigation of the Dispersive Performance and Mechanism in a Cementitious System. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16101-16109	3.9	61
93	Evaluation of treated black liquor used as dispersant of concentrated coal-water slurry. <i>Fuel</i> , 2010 , 89, 716-723	7.1	61
92	Hydroxypropyl Sulfonated Lignin as Dye Dispersant: Effect of Average Molecular Weight. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3239-3244	8.3	59
91	Structure and Properties of Sodium Lignosulfonate with Different Molecular Weight Used as Dye Dispersant. <i>Journal of Dispersion Science and Technology</i> , 2015 , 36, 532-539	1.5	56
90	Lignin Reverse Micelles for UV-Absorbing and High Mechanical Performance Thermoplastics. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12025-12030	3.9	55
89	A Novel Lignin/ZnO Hybrid Nanocomposite with Excellent UV-Absorption Ability and Its Application in Transparent Polyurethane Coating. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 11133-11141	3.9	51
88	Nonionic surfactants enhanced enzymatic hydrolysis of cellulose by reducing cellulase deactivation caused by shear force and air-liquid interface. <i>Bioresource Technology</i> , 2018 , 249, 1-8	11	48
87	Properties of Different Molecular Weight Sodium Lignosulfonate Fractions as Dispersant of Coal-Water Slurry. <i>Journal of Dispersion Science and Technology</i> , 2006 , 27, 851-856	1.5	48
86	In Situ Synthesis of Flowerlike Lignin/ZnO Composite with Excellent UV-Absorption Properties and Its Application in Polyurethane. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3696-3705	8.3	46
85	Encapsulating TiO ₂ in Lignin-Based Colloidal Spheres for High Sunscreen Performance and Weak Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6234-6242	8.3	43

84	Highly Resilient Lignin-Containing Polyurethane Foam. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 496-504	3.9	42
83	Lignin-based polyoxyethylene ether enhanced enzymatic hydrolysis of lignocelluloses by dispersing cellulase aggregates. <i>Bioresource Technology</i> , 2015 , 185, 165-70	11	41
82	Facile and Green Preparation of High UV-Blocking Lignin/Titanium Dioxide Nanocomposites for Developing Natural Sunscreens. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 15740-15748	3.9	41
81	Physicochemical Properties of Calcium Lignosulfonate with Different Molecular Weights as Dispersant in Aqueous Suspension. <i>Journal of Dispersion Science and Technology</i> , 2008 , 29, 1296-1303	1.5	40
80	Formation of Uniform Colloidal Spheres Based on Lignosulfonate, a Renewable Biomass Resource Recovered from Pulping Spent Liquor. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1379-1386	8.3	40
79	Development and evaluation of polycarboxylic acid hyper-dispersant used to prepare high-concentrated coal-water slurry. <i>Powder Technology</i> , 2012 , 229, 185-190	5.2	38
78	Enhancing the Broad-Spectrum Adsorption of Lignin through Methoxyl Activation, Grafting Modification, and Reverse Self-Assembly. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15966-15973	8.3	35
77	Preparation and Evaluation of Carboxymethylated Lignin as Dispersant for Aqueous Graphite Suspension Using Turbiscan Lab Analyzer. <i>Journal of Dispersion Science and Technology</i> , 2013 , 34, 644-650	1.5	35
76	Lignin-Based Nanoparticles: A Review on Their Preparations and Applications. <i>Polymers</i> , 2020 , 12,	4.5	34
75	Improving enzymatic hydrolysis of lignocellulosic substrates with pre-hydrolysates by adding cetyltrimethylammonium bromide to neutralize lignosulfonate. <i>Bioresource Technology</i> , 2016 , 216, 968-75	11	30
74	Influence of sulfonated acetone-formaldehyde condensation used as dispersant on low rank coal-water slurry. <i>Energy Conversion and Management</i> , 2012 , 64, 139-144	10.6	30
73	Physicochemical properties of sodium lignosulfonates (NaLS) modified by laccase. <i>Holzforschung</i> , 2012 , 66, 825-832	2	30
72	Using recyclable pH-responsive lignin amphoteric surfactant to enhance the enzymatic hydrolysis of lignocelluloses. <i>Green Chemistry</i> , 2017 , 19, 5479-5487	10	29
71	The adsorption and dispersing mechanisms of sodium lignosulfonate on Al ₂ O ₃ particles in aqueous solution. <i>Holzforschung</i> , 2013 , 67, 387-394	2	29
70	Hierarchical porous carbon derived from the gas-exfoliation activation of lignin for high-energy lithium-ion batteries. <i>Green Chemistry</i> , 2020 , 22, 4321-4330	10	28
69	Preparation of a new lignin-based anionic/cationic surfactant and its solution behaviour. <i>RSC Advances</i> , 2015 , 5, 2441-2448	3.7	27
68	Three-dimensional Porous Framework Lignin-Derived Carbon/ZnO Composite Fabricated by a Facile Electrostatic Self-Assembly Showing Good Stability for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16419-16427	8.3	26
67	Polymerization reactivity of sulfomethylated alkali lignin modified with horseradish peroxidase. <i>Bioresource Technology</i> , 2014 , 155, 418-21	11	26

66	Biorefinery Lignosulfonates from Sulfite-Pretreated Softwoods as Dispersant for Graphite. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2200-2205	8.3	25
65	Laccase and Xylanase Incubation Enhanced the Sulfomethylation Reactivity of Alkali Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1248-1254	8.3	25
64	A light-colored hydroxypropyl sulfonated alkali lignin for utilization as a dye dispersant. <i>Holzforschung</i> , 2016 , 70, 109-116	2	24
63	Modifying sulfomethylated alkali lignin by horseradish peroxidase to improve the dispersibility and conductivity of polyaniline. <i>Applied Surface Science</i> , 2017 , 426, 287-293	6.7	21
62	Effect of the molecular structure of lignin-based polyoxyethylene ether on enzymatic hydrolysis efficiency and kinetics of lignocelluloses. <i>Bioresource Technology</i> , 2015 , 193, 266-73	11	20
61	Aggregation of sodium lignosulfonate above a critical temperature. <i>Holzforschung</i> , 2014 , 68, 641-647	2	19
60	Controlled preparation of lignin/titanium dioxide hybrid composite particles with excellent UV aging resistance and its high value application. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 371-379	7.9	18
59	Direct Construction of Catechol Lignin for Engineering Long-Acting Conductive, Adhesive, and UV-Blocking Hydrogel Bioelectronics.. <i>Small Methods</i> , 2021 , 5, e2001311	12.8	18
58	Whitening Sulfonated Alkali Lignin via H ₂ O ₂ /UV Radiation and Its Application As Dye Dispersant. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1055-1060	8.3	18
57	Fabrication of High-Concentration Aqueous Graphene Suspensions Dispersed by Sodium Lignosulfonate and Its Mechanism. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23221-23230	3.8	17
56	Preparation of lignin/TiO ₂ nanocomposites and their application in aqueous polyurethane coatings. <i>Frontiers of Chemical Science and Engineering</i> , 2019 , 13, 59-69	4.5	17
55	Bioinspired Engineering towards Tailoring Advanced Lignin/Rubber Elastomers. <i>Polymers</i> , 2018 , 10,	4.5	17
54	Study on Enhancing the Slurry Performance of Coal/Water Slurry Prepared with Low-Rank Coal. <i>Journal of Dispersion Science and Technology</i> , 2015 , 36, 1247-1256	1.5	16
53	Amino acid-functionalized polyampholytes as natural broad-spectrum antimicrobial agents for high-efficient personal protection. <i>Green Chemistry</i> , 2020 , 22, 6357-6371	10	16
52	Light Color Dihydroxybenzophenone Grafted Lignin with High UVA/UVB Absorbance Ratio for Efficient and Safe Natural Sunscreen. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17057-17068	3.8	16
51	Modification of sulfomethylated alkali lignin catalyzed by horseradish peroxidase. <i>RSC Advances</i> , 2014 , 4, 53855-53863	3.7	16
50	Physicochemical Behavior of Sulphonated Acetone-Formaldehyde Resin and Naphthalene Sulfonate-Formaldehyde Condensate in Coal-Water Interface. <i>Journal of Dispersion Science and Technology</i> , 2009 , 30, 353-360	1.5	16
49	Influences of aggregation behavior of lignin on the microstructure and adsorptive properties of lignin-derived porous carbons by potassium compound activation. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 82, 220-227	6.3	16

48	Nonconventional photoluminescence from sulfonated acetone-formaldehyde condensate with aggregation-enhanced emission. <i>RSC Advances</i> , 2016 , 6, 47632-47636	3.7	16
47	Effect of cationic surfactant cetyltrimethylammonium bromide on the enzymatic hydrolysis of cellulose. <i>Cellulose</i> , 2017 , 24, 61-68	5.5	14
46	Tumor microenvironment-responsive, high internal phase Pickering emulsions stabilized by lignin/chitosan oligosaccharide particles for synergistic cancer therapy. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 352-362	9.3	14
45	Activation of Enzymatic Hydrolysis Lignin by NaOH/Urea Aqueous Solution for Enhancing Its Sulfomethylation Reactivity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1120-1128	8.3	14
44	Microwave-mediated fabrication of silver nanoparticles incorporated lignin-based composites with enhanced antibacterial activity via electrostatic capture effect. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 80-88	9.3	14
43	Preparation of a Low Reducing Effect Sulfonated Alkali Lignin and Application as Dye Dispersant. <i>Polymers</i> , 2018 , 10,	4.5	14
42	Effect of Urea on the Enzymatic Hydrolysis of Lignocellulosic Substrate and Its Mechanism. <i>Bioenergy Research</i> , 2018 , 11, 456-465	3.1	13
41	Preparation of slow release nanopesticide microspheres from benzoyl lignin. <i>Holzforschung</i> , 2018 , 72, 599-607	2	12
40	Chemical modification of lignin assisted by microwave irradiation. <i>Holzforschung</i> , 2011 , 65,	2	12
39	Modulation of Brønsted and Lewis Acid Centers for Ni x Co 3x O 4 Spinel Catalysts: Towards Efficient Catalytic Conversion of Lignin. <i>Advanced Functional Materials</i> , 2111615	15.6	12
38	Lignin is a promising biomass resource. <i>Tappi Journal</i> , 2018 , 17, 125-141	0.5	12
37	Effects of pH on aggregation behavior of sodium lignosulfonate (NaLS) in concentrated solutions. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	11
36	Using temperature-responsive zwitterionic surfactant to enhance the enzymatic hydrolysis of lignocelluloses and recover cellulase by cooling. <i>Bioresource Technology</i> , 2017 , 243, 1141-1148	11	11
35	Preparation of self-dispersed lignin-based drug-loaded material and its application in avermectin nano-formulation. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 421-427	7.9	10
34	Aggregation and adsorption behaviors of carboxymethylated lignin (CML) in aqueous solution. <i>Holzforschung</i> , 2013 , 67, 379-385	2	10
33	Rheological Behavior Investigation of Concentrated Coal-Water Suspension. <i>Journal of Dispersion Science and Technology</i> , 2010 , 31, 838-843	1.5	10
32	Molecular Structure of Sodium Lignosulfonate from Different Sources and their Properties as Dispersant of TiO2 Slurry. <i>Journal of Dispersion Science and Technology</i> , 2016 , 37, 296-303	1.5	9
31	Effects of concentration and temperature on the rheological behavior of concentrated sodium lignosulfonate (NaLS) solutions. <i>Holzforschung</i> , 2015 , 69, 265-271	2	9

30	Adsorption Characteristics of Naphthalene Sulfonate Formaldehyde Condensate with Different Molecular Weights. <i>Journal of Dispersion Science and Technology</i> , 2013 , 34, 1092-1098	1.5	9
29	High internal phase emulsions stabilized with carboxymethylated lignin for encapsulation and protection of environmental sensitive natural extract. <i>International Journal of Biological Macromolecules</i> , 2020 , 158, 430-442	7.9	8
28	Mechanically strong and electrically stable polypyrrole paper using high molecular weight sulfonated alkaline lignin as a dispersant and dopant. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 47-53	9.3	8
27	Biorefinery lignosulfonates as a dispersant for coal water slurry. <i>Sustainable Chemical Processes</i> , 2016 , 4,		8
26	Characterization of the adsorption properties of a phosphorylated kraft lignin-based polymer at the solid/liquid interface by the QCM-D approach. <i>Holzforschung</i> , 2016 , 70, 937-945	2	8
25	Effect of sodium dodecyl sulfate and cetyltrimethylammonium bromide catanionic surfactant on the enzymatic hydrolysis of Avicel and corn stover. <i>Cellulose</i> , 2017 , 24, 669-676	5.5	7
24	Enhancing enzymatic hydrolysis of crystalline cellulose and lignocellulose by adding long-chain fatty alcohols. <i>Cellulose</i> , 2014 , 21, 3361-3369	5.5	7
23	A green approach for tunable fluorescent and superhydrophobic monodisperse polysilsesquioxane spheres. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 484-490	9.3	6
22	Modified sodium lignosulfonates (NaLS) with straight chain alcohols and their aggregation behavior and adsorption characteristics on solid surfaces. <i>Holzforschung</i> , 2016 , 70, 1023-1030	2	6
21	Dynamic Surface Tension and Adsorption Kinetics of Sodium Lignosulfonate Aqueous Solutions. <i>Journal of Dispersion Science and Technology</i> , 2013 , 34, 709-715	1.5	6
20	Effect of structure of technical lignin on the electrochemical performance of lignin-derived porous carbon from K ₂ CO ₃ activation. <i>Holzforschung</i> , 2020 , 74, 293-302	2	6
19	Effects of Cationic Cetyltrimethylammonium Bromide on the Aggregation Behavior of Sodium Lignosulfonate (NaLS) in Concentrated Solutions and Preparation of Uniform Lignosulfonate-Based Colloidal Spheres. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 9451-9460	5.7	6
18	Adsorption characteristics of carboxymethylated lignin at a hydrophobic solid/water interface. <i>Iranian Polymer Journal (English Edition)</i> , 2014 , 23, 47-52	2.3	5
17	Mo-Doped/Ni-supported ZnIn ₂ S ₄ -wrapped NiMoO ₄ S-scheme heterojunction photocatalytic reforming of lignin into hydrogen. <i>Green Chemistry</i> ,	10	5
16	Near-Infrared-Activated Efficient Bacteria-Killing by Lignin-Based Copper Sulfide Nanocomposites with an Enhanced Photothermal Effect and Peroxidase-like Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6479-6488	8.3	5
15	Wood-inspired strategy to toughen transparent cellulose nanofibril films. <i>Carbohydrate Polymers</i> , 2021 , 259, 117759	10.3	5
14	Fabrication of litchi-like lignin/zinc oxide composites with enhanced antibacterial activity and their application in polyurethane films. <i>Journal of Colloid and Interface Science</i> , 2021 , 594, 316-325	9.3	5
13	Fabrication of a Lignin-Copper Sulfide-Incorporated PVA Hydrogel with Near-Infrared-Activated Photothermal/Photodynamic/Peroxidase-like Performance for Combating Bacteria and Biofilms.. <i>ACS Biomaterials Science and Engineering</i> , 2022 ,	5.5	4

12	Pristine lignin as a flame retardant in flexible PU foam. <i>Green Chemistry</i> , 2021 , 23, 5972-5980	10	4
11	Effect of Molecular Weight on the Reactivity and Dispersibility of Sulfomethylated Alkali Lignin Modified by Horseradish Peroxidase. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14197-14202	8.3	3
10	Long-Acting Ultraviolet-Blocking Mechanism of Lignin: Generation and Transformation of Semiquinone Radicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 5421-5429	8.3	3
9	Model Compounds Study for the Mechanism of Horseradish Peroxidase-Catalyzed Lignin Modification. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 191, 981-995	3.2	2
8	Effects of Modified Sodium Lignosulfonate on Rheological Properties of Coal/Water Slurry with Low-Rank Coal. <i>Journal of Dispersion Science and Technology</i> , 2014 , 35, 1675-1684	1.5	2
7	Insights into Gas-Exfoliation and the In-Situ Template Mechanism of Zinc Compound for Lignin-Derived Supercapacitive Porous Carbon. <i>ACS Applied Energy Materials</i> ,	6.1	2
6	One-pot preparation of hydrophobic lignin/SiO nanoparticles and its reinforcing effect on HDPE. <i>International Journal of Biological Macromolecules</i> , 2021 , 180, 523-532	7.9	2
5	Monodispersed Lignin Colloidal Spheres with Tailorable Sizes for Bio-Photonic Materials.. <i>Small</i> , 2022 , e2200671	11	2
4	Lamellar hierarchical lignin-derived porous carbon activating the capacitive property of polyaniline for high-performance supercapacitors.. <i>Journal of Colloid and Interface Science</i> , 2022 , 617, 694-703	9.3	2
3	Effect of the Interfacial Agents with Different Types of Hydrophilic Functional Groups on the Rheological Properties of Coal-Water Slurry. <i>Journal of Dispersion Science and Technology</i> , 2013 , 34, 1646-1655	1.5	0
2	In situ synthesis of Brick and mortar type lignin-derived carbon/TiO ₂ composite with a remarkable photocatalytic performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 97, 216-225	6.3	0
1	Transparent and flame retardant vinylidene chloride-methyl acrylate hybrid films with enhanced water vapor barrier, thermostability, and anti-glare properties. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50160	2.9	0