Dongjie Yang

List of Publications by Year in Descending Order

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	Fabrication of a Lignin-Copper Sulfide-Incorporated PVA Hydrogel with Near-Infrared-Activated Photothermal/Photodynamic/Peroxidase-like Performance for Combating Bacteria and Biofilms.. *ACS Biomaterials Science and Engineering*, **2022**,	5.5	4
100	Monodispersed Lignin Colloidal Spheres with Tailorable Sizes for Bio-Photonic Materials.. *Small*, **2022**, e2200671	11	2
99	Lamellar hierarchical lignin-derived porous carbon activating the capacitive property of polyaniline for high-performance supercapacitors.. *Journal of Colloid and Interface Science*, **2022**, 617, 694-703	9.3	2
98	Long-Acting Ultraviolet-Blocking Mechanism of Lignin: Generation and Transformation of Semiquinone Radicals. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 5421-5429	8.3	3
97	Direct Construction of Catechol Lignin for Engineering Long-Acting Conductive, Adhesive, and UV-Blocking Hydrogel Bioelectronics.. *Small Methods*, **2021**, 5, e2001311	12.8	18
96	Near-Infrared-Activated Efficient Bacteria-Killing by Lignin-Based Copper Sulfide Nanocomposites with an Enhanced Photothermal Effect and Peroxidase-like Activity. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 6479-6488	8.3	5
95	Wood-inspired strategy to toughen transparent cellulose nanofibril films. *Carbohydrate Polymers*, **2021**, 259, 117759	10.3	5
94	In situ synthesis of Brick and mortar-type lignin-derived carbon/TiO2 composite with a remarkable photocatalytic performance. *Journal of Industrial and Engineering Chemistry*, **2021**, 97, 216-225	6.3	0
93	Tumor microenvironment-responsive, high internal phase Pickering emulsions stabilized by lignin/chitosan oligosaccharide particles for synergistic cancer therapy. *Journal of Colloid and Interface Science*, **2021**, 591, 352-362	9.3	14
92	One-pot preparation of hydrophobic lignin/SiO nanoparticles and its reinforcing effect on HDPE. *International Journal of Biological Macromolecules*, **2021**, 180, 523-532	7.9	2
91	Transparent and flame retardant vinylidene chloride-methyl acrylate hybrid films with enhanced water vapor barrier, thermostability, and anti-glare properties. *Journal of Applied Polymer Science*, **2021**, 138, 50160	2.9	0
90	Microwave-mediated fabrication of silver nanoparticles incorporated lignin-based composites with enhanced antibacterial activity via electrostatic capture effect. *Journal of Colloid and Interface Science*, **2021**, 583, 80-88	9.3	14
89	Pristine lignin as a flame retardant in flexible PU foam. *Green Chemistry*, **2021**, 23, 5972-5980	10	4
88	Fabrication of litchi-like lignin/zinc oxide composites with enhanced antibacterial activity and their application in polyurethane films. *Journal of Colloid and Interface Science*, **2021**, 594, 316-325	9.3	5
87	Amino acid-functionalized polyampholytes as natural broad-spectrum antimicrobial agents for high-efficient personal protection. *Green Chemistry*, **2020**, 22, 6357-6371	10	16
86	Hierarchical porous carbon derived from the gas-exfoliation activation of lignin for high-energy lithium-ion batteries. *Green Chemistry*, **2020**, 22, 4321-4330	10	28
85	A green approach for tunable fluorescent and superhydrophobic monodisperse polysilsesquioxane spheres. *Journal of Colloid and Interface Science*, **2020**, 578, 484-490	9.3	6

84	Light Color Dihydroxybenzophenone Grafted Lignin with High UVA/UVB Absorbance Ratio for Efficient and Safe Natural Sunscreen. *Industrial & Engineering Chemistry Research*, **2020**, 59, 17057-17068	3.9	16
83	Preparation of self-dispersed lignin-based drug-loaded material and its application in avermectin nano-formulation. *International Journal of Biological Macromolecules*, **2020**, 151, 421-427	7.9	10
82	Model Compounds Study for the Mechanism of Horseradish Peroxidase-Catalyzed Lignin Modification. *Applied Biochemistry and Biotechnology*, **2020**, 191, 981-995	3.2	2
81	High internal phase emulsions stabilized with carboxymethylated lignin for encapsulation and protection of environmental sensitive natural extract. *International Journal of Biological Macromolecules*, **2020**, 158, 430-442	7.9	8
80	Effect of structure of technical lignin on the electrochemical performance of lignin-derived porous carbon from K2CO3 activation. *Holzforschung*, **2020**, 74, 293-302	2	6
79	Influences of aggregation behavior of lignin on the microstructure and adsorptive properties of lignin-derived porous carbons by potassium compound activation. *Journal of Industrial and Engineering Chemistry*, **2020**, 82, 220-227	6.3	16
78	Controlled preparation of lignin/titanium dioxide hybrid composite particles with excellent UV aging resistance and its high value application. *International Journal of Biological Macromolecules*, **2020**, 150, 371-379	7.9	18
77	Lignin-Based Nanoparticles: A Review on Their Preparations and Applications. *Polymers*, **2020**, 12,	4.5	34
76	Effects of Cationic Cetyltrimethylammonium Bromide on the Aggregation Behavior of Sodium Lignosulfonate (NaLS) in Concentrated Solutions and Preparation of Uniform Lignosulfonate-Based Colloidal Spheres. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 9451-9460	5.7	6
75	Three-dimensional Porous Framework Lignin-Derived Carbon/ZnO Composite Fabricated by a Facile Electrostatic Self-Assembly Showing Good Stability for High-Performance Supercapacitors. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 16419-16427	8.3	26
74	Mechanically strong and electrically stable polypyrrole paper using high molecular weight sulfonated alkaline lignin as a dispersant and dopant. *Journal of Colloid and Interface Science*, **2019**, 556, 47-53	9.3	8
73	Enhancing the Broad-Spectrum Adsorption of Lignin through Methoxyl Activation, Grafting Modification, and Reverse Self-Assembly. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15966-15973	8.3	35
72	Encapsulating TiO2 in Lignin-Based Colloidal Spheres for High Sunscreen Performance and Weak Photocatalytic Activity. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6234-6242	8.3	43
71	Highly Resilient Lignin-Containing Polyurethane Foam. *Industrial & Engineering Chemistry Research*, **2019**, 58, 496-504	3.9	42
70	Biomimetic Supertough and Strong Biodegradable Polymeric Materials with Improved Thermal Properties and Excellent UV-Blocking Performance. *Advanced Functional Materials*, **2019**, 29, 1806912	15.6	128
69	Activation of Enzymatic Hydrolysis Lignin by NaOH/Urea Aqueous Solution for Enhancing Its Sulfomethylation Reactivity. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1120-1128	8.3	14
68	Preparation of lignin/TiO2 nanocomposites and their application in aqueous polyurethane coatings. *Frontiers of Chemical Science and Engineering*, **2019**, 13, 59-69	4.5	17
67	Effect of Urea on the Enzymatic Hydrolysis of Lignocellulosic Substrate and Its Mechanism. *Bioenergy Research*, **2018**, 11, 456-465	3.1	13

66	Preparation of slow release nanopesticide microspheres from benzoyl lignin. *Holzforschung*, **2018**, 72, 599-607	2	12
65	In Situ Synthesis of Flowerlike Lignin/ZnO Composite with Excellent UV-Absorption Properties and Its Application in Polyurethane. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3696-3705	8.3	46
64	Nonionic surfactants enhanced enzymatic hydrolysis of cellulose by reducing cellulase deactivation caused by shear force and air-liquid interface. *Bioresource Technology*, **2018**, 249, 1-8	11	48
63	Lignin a promising biomass resource. *Tappi Journal*, **2018**, 17, 125-141	0.5	12
62	Whitening Sulfonated Alkali Lignin via H2O2/UV Radiation and Its Application As Dye Dispersant. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 1055-1060	8.3	18
61	Formation of Uniform Colloidal Spheres Based on Lignosulfonate, a Renewable Biomass Resource Recovered from Pulping Spent Liquor. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 1379-1386	8.3	40
60	Bioinspired Engineering towards Tailoring Advanced Lignin/Rubber Elastomers. *Polymers*, **2018**, 10,	4.5	17
59	Facile and Green Preparation of High UV-Blocking Lignin/Titanium Dioxide Nanocomposites for Developing Natural Sunscreens. *Industrial & Engineering Chemistry Research*, **2018**, 57, 15740-15748	3.9	41
58	Effect of Molecular Weight on the Reactivity and Dispersibility of Sulfomethylated Alkali Lignin Modified by Horseradish Peroxidase. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14197-14202	8.3	3
57	Preparation of a Low Reducing Effect Sulfonated Alkali Lignin and Application as Dye Dispersant. *Polymers*, **2018**, 10,	4.5	14
56	Effect of sodium dodecyl sulfate and cetyltrimethylammonium bromide catanionic surfactant on the enzymatic hydrolysis of Avicel and corn stover. *Cellulose*, **2017**, 24, 669-676	5.5	7
55	Using recyclable pH-responsive lignin amphoteric surfactant to enhance the enzymatic hydrolysis of lignocelluloses. *Green Chemistry*, **2017**, 19, 5479-5487	10	29
54	A Novel Lignin/ZnO Hybrid Nanocomposite with Excellent UV-Absorption Ability and Its Application in Transparent Polyurethane Coating. *Industrial & Engineering Chemistry Research*, **2017**, 56, 11133-11141	3.9	51
53	Modifying sulfomethylated alkali lignin by horseradish peroxidase to improve the dispersibility and conductivity of polyaniline. *Applied Surface Science*, **2017**, 426, 287-293	6.7	21
52	Using temperature-responsive zwitterionic surfactant to enhance the enzymatic hydrolysis of lignocelluloses and recover cellulase by cooling. *Bioresource Technology*, **2017**, 243, 1141-1148	11	11
51	Effect of cationic surfactant cetyltrimethylammonium bromide on the enzymatic hydrolysis of cellulose. *Cellulose*, **2017**, 24, 61-68	5.5	14
50	A light-colored hydroxypropyl sulfonated alkali lignin for utilization as a dye dispersant. *Holzforschung*, **2016**, 70, 109-116	2	24
49	Modified sodium lignosulfonates (NaLS) with straight chain alcohols and their aggregation behavior and adsorption characteristics on solid surfaces. *Holzforschung*, **2016**, 70, 1023-1030	2	6

48	Improving enzymatic hydrolysis of lignocellulosic substrates with pre-hydrolysates by adding cetyltrimethylammonium bromide to neutralize lignosulfonate. *Bioresource Technology*, **2016**, 216, 968-75	11	30
47	Biorefinery Lignosulfonates from Sulfite-Pretreated Softwoods as Dispersant for Graphite. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2200-2205	8.3	25
46	Molecular Structure of Sodium Lignosulfonate from Different Sources and their Properties as Dispersant of TiO2 Slurry. *Journal of Dispersion Science and Technology*, **2016**, 37, 296-303	1.5	9
45	Reduction of lignin color via one-step UV irradiation. *Green Chemistry*, **2016**, 18, 695-699	10	106
44	Biorefinery lignosulfonates as a dispersant for coal water slurry. *Sustainable Chemical Processes*, **2016**, 4,		8
43	Nonconventional photoluminescence from sulfonated acetone–formaldehyde condensate with aggregation-enhanced emission. *RSC Advances*, **2016**, 6, 47632-47636	3.7	16
42	Laccase and Xylanase Incubation Enhanced the Sulfomethylation Reactivity of Alkali Lignin. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1248-1254	8.3	25
41	Characterization of the adsorption properties of a phosphorylated kraft lignin-based polymer at the solid/liquid interface by the QCM-D approach. *Holzforschung*, **2016**, 70, 937-945	2	8
40	Effect of the molecular structure of lignin-based polyoxyethylene ether on enzymatic hydrolysis efficiency and kinetics of lignocelluloses. *Bioresource Technology*, **2015**, 193, 266-73	11	20
39	Study on Enhancing the Slurry Performance of Coal–Water Slurry Prepared with Low-Rank Coal. *Journal of Dispersion Science and Technology*, **2015**, 36, 1247-1256	1.5	16
38	Effects of pH on aggregation behavior of sodium lignosulfonate (NaLS) in concentrated solutions. *Journal of Polymer Research*, **2015**, 22, 1	2.7	11
37	Lignin-based polyoxyethylene ether enhanced enzymatic hydrolysis of lignocelluloses by dispersing cellulase aggregates. *Bioresource Technology*, **2015**, 185, 165-70	11	41
36	Fabrication of High-Concentration Aqueous Graphene Suspensions Dispersed by Sodium Lignosulfonate and Its Mechanism. *Journal of Physical Chemistry C*, **2015**, 119, 23221-23230	3.8	17
35	Lignin Reverse Micelles for UV-Absorbing and High Mechanical Performance Thermoplastics. *Industrial & Engineering Chemistry Research*, **2015**, 54, 12025-12030	3.9	55
34	Preparation of a new lignin-based anionic/cationic surfactant and its solution behaviour. *RSC Advances*, **2015**, 5, 2441-2448	3.7	27
33	Structure and Properties of Sodium Lignosulfonate with Different Molecular Weight Used as Dye Dispersant. *Journal of Dispersion Science and Technology*, **2015**, 36, 532-539	1.5	56
32	Investigation of grafted sulfonated alkali lignin polymer as dispersant in coal-water slurry. *Journal of Industrial and Engineering Chemistry*, **2015**, 27, 192-200	6.3	76
31	Effects of concentration and temperature on the rheological behavior of concentrated sodium lignosulfonate (NaLS) solutions. *Holzforschung*, **2015**, 69, 265-271	2	9

30	Hydroxypropyl Sulfonated Lignin as Dye Dispersant: Effect of Average Molecular Weight. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 3239-3244	8.3	59
29	Formation of uniform colloidal spheres from lignin, a renewable resource recovered from pulping spent liquor. *Green Chemistry*, **2014**, 16, 2156	10	249
28	Enhancing enzymatic hydrolysis of crystalline cellulose and lignocellulose by adding long-chain fatty alcohols. *Cellulose*, **2014**, 21, 3361-3369	5.5	7
27	Effects of Modified Sodium Lignosulfonate on Rheological Properties of Coal–Water Slurry with Low-Rank Coal. *Journal of Dispersion Science and Technology*, **2014**, 35, 1675-1684	1.5	2
26	Polymerization reactivity of sulfomethylated alkali lignin modified with horseradish peroxidase. *Bioresource Technology*, **2014**, 155, 418-21	11	26
25	Modification of sulfomethylated alkali lignin catalyzed by horseradish peroxidase. *RSC Advances*, **2014**, 4, 53855-53863	3.7	16
24	Aggregation of sodium lignosulfonate above a critical temperature. *Holzforschung*, **2014**, 68, 641-647	2	19
23	Adsorption characteristics of carboxymethylated lignin at a hydrophobic solid/water interface. *Iranian Polymer Journal (English Edition)*, **2014**, 23, 47-52	2.3	5
22	Preparation of Lignin-Based Superplasticizer by Graft Sulfonation and Investigation of the Dispersive Performance and Mechanism in a Cementitious System. *Industrial & Engineering Chemistry Research*, **2013**, 52, 16101-16109	3.9	61
21	Reducing non-productive adsorption of cellulase and enhancing enzymatic hydrolysis of lignocelluloses by noncovalent modification of lignin with lignosulfonate. *Bioresource Technology*, **2013**, 146, 478-484	11	85
20	The adsorption and dispersing mechanisms of sodium lignosulfonate on Al2O3 particles in aqueous solution. *Holzforschung*, **2013**, 67, 387-394	2	29
19	Aggregation and adsorption behaviors of carboxymethylated lignin (CML) in aqueous solution. *Holzforschung*, **2013**, 67, 379-385	2	10
18	Preparation and Evaluation of Carboxymethylated Lignin as Dispersant for Aqueous Graphite Suspension Using Turbiscan Lab Analyzer. *Journal of Dispersion Science and Technology*, **2013**, 34, 644-650	1.5	35
17	Dynamic Surface Tension and Adsorption Kinetics of Sodium Lignosulfonate Aqueous Solutions. *Journal of Dispersion Science and Technology*, **2013**, 34, 709-715	1.5	6
16	Adsorption Characteristics of Naphthalene Sulfonate Formaldehyde Condensate with Different Molecular Weights. *Journal of Dispersion Science and Technology*, **2013**, 34, 1092-1098	1.5	9
15	Effect of the Interfacial Agents with Different Types of Hydrophilic Functional Groups on the Rheological Properties of Coal-Water Slurry. *Journal of Dispersion Science and Technology*, **2013**, 34, 1646-1655	1.5	0
14	Influence of sulfonated acetone–formaldehyde condensate used as dispersant on low rank coal–water slurry. *Energy Conversion and Management*, **2012**, 64, 139-144	10.6	30
13	Development and evaluation of polycarboxylic acid hyper-dispersant used to prepare high-concentrated coal–water slurry. *Powder Technology*, **2012**, 229, 185-190	5.2	38

12	Physicochemical properties of sodium lignosulfonates (NaLS) modified by laccase. *Holzforschung*, **2012**, 66, 825-832	2	30
11	Chemical modification of lignin assisted by microwave irradiation. *Holzforschung*, **2011**, 65,	2	12
10	Rheological Behavior Investigation of Concentrated Coal-Water Suspension. *Journal of Dispersion Science and Technology*, **2010**, 31, 838-843	1.5	10
9	Evaluation of treated black liquor used as dispersant of concentrated coal–water slurry. *Fuel*, **2010**, 89, 716-723	7.1	61
8	Physicochemical Behavior of Sulphonated Acetone-Formaldehyde Resin and Naphthalene Sulfonate-Formaldehyde Condensate in Coal-Water Interface. *Journal of Dispersion Science and Technology*, **2009**, 30, 353-360	1.5	16
7	Physicochemical Properties of Calcium Lignosulfonate with Different Molecular Weights as Dispersant in Aqueous Suspension. *Journal of Dispersion Science and Technology*, **2008**, 29, 1296-1303	1.5	40
6	Properties of sodium lignosulfonate as dispersant of coal water slurry. *Energy Conversion and Management*, **2007**, 48, 2433-2438	10.6	144
5	Corrosion and Scale Inhibition Properties of Sodium Lignosulfonate and Its Potential Application in Recirculating Cooling Water System. *Industrial & Engineering Chemistry Research*, **2006**, 45, 5716-5721	3.9	81
4	Properties of Different Molecular Weight Sodium Lignosulfonate Fractions as Dispersant of Coal-Water Slurry. *Journal of Dispersion Science and Technology*, **2006**, 27, 851-856	1.5	48
3	Modulation of Brønsted and Lewis Acid Centers for Ni x Co 3−x O 4 Spinel Catalysts: Towards Efficient Catalytic Conversion of Lignin. *Advanced Functional Materials*,2111615	15.6	12
2	Mo-Doped/Ni-supported ZnIn2S4-wrapped NiMoO4 S-scheme heterojunction photocatalytic reforming of lignin into hydrogen. *Green Chemistry*,	10	5
1	Insights into Gas-Exfoliation and the In-Situ Template Mechanism of Zinc Compound for Lignin-Derived Supercapacitive Porous Carbon. *ACS Applied Energy Materials*,	6.1	2