

Xue-qing Qiu

List of Publications by Year in descending order

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papers

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19657

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8474
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#	ARTICLE	IF	CITATIONS
1	Lignin: a sustainable photothermal block for smart elastomers. <i>Green Chemistry</i> , 2022, 24, 823-836.	9.0	64
2	New insight into lignin aggregation guiding efficient synthesis and functionalization of a lignin nanosphere with excellent performance. <i>Green Chemistry</i> , 2022, 24, 285-294.	9.0	36
3	Preparation of carboxymethylated lignin-based multifunctional flocculant and its application for copper-containing wastewater. <i>European Polymer Journal</i> , 2022, 164, 110967.	5.4	13
4	Direct carbonization of sodium lignosulfonate through self-template strategies for the synthesis of porous carbons toward supercapacitor applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 636, 128191.	4.7	41
5	Mild hydrodeoxygenation of lignin-derived bio-oils to hydrocarbons over bifunctional ZrP2O7-Ni12P5 catalysts. <i>Fuel</i> , 2022, 313, 123044.	6.4	15
6	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, 8, 560-569.	5.2	20
7	Modulation of Brønsted and Lewis Acid Centers for NiCo ₃ O ₄ Spinel Catalysts: Towards Efficient Catalytic Conversion of Lignin. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	67
8	Production of water-soluble sugar from cellulose and corn stover via molten salt hydrate impregnation and separation. <i>Cellulose</i> , 2022, 29, 879-891.	4.9	7
9	Mo-Doped/Ni-supported ZnIn ₂ S ₄ -wrapped NiMoO ₄ S-scheme heterojunction photocatalytic reforming of lignin into hydrogen. <i>Green Chemistry</i> , 2022, 24, 2027-2035.	9.0	36
10	Fabricating nickel phyllosilicate-like nanosheets to prepare a defect-rich catalyst for the one-pot conversion of lignin into hydrocarbons under mild conditions. <i>Green Chemistry</i> , 2022, 24, 846-857.	9.0	15
11	Enzymatic Hydrolysis Lignin-Derived Porous Carbons through Ammonia Activation: Activation Mechanism and Charge Storage Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5425-5438.	8.0	51
12	Monodispersed Lignin Colloidal Spheres with Tailorable Sizes for Bio-Photonic Materials. <i>Small</i> , 2022, 18, e2200671.	10.0	28
13	Pyrolytic gas exfoliation and template mediation inducing defective mesoporous carbon network from industrial lignin for advanced lithium-ion storage. <i>Industrial Crops and Products</i> , 2022, 180, 114748.	5.2	6
14	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.	9.4	30
15	Sustainable production of lignin-derived porous carbons for high-voltage electrochemical capacitors. <i>Chemical Engineering Science</i> , 2022, 255, 117672.	3.8	19
16	Long-Acting Ultraviolet-Blocking Mechanism of Lignin: Generation and Transformation of Semiquinone Radicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5421-5429.	6.7	22
17	Lignin modified PBAT composites with enhanced strength based on interfacial dynamic bonds. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	7
18	Sodium Pre-Intercalated Carbon/V ₂ O ₅ Constructed by Sustainable Sodium Lignosulfonate for Stable Cathodes in Zinc-Ion Batteries: A Comprehensive Study. <i>ChemSusChem</i> , 2022, 15, .	6.8	10

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19	Boosting Surface-Dominated Sodium Storage of Carbon Anode Enabled by Coupling Graphene Nanodomains, Nitrogen-Doping, and Nanoarchitecture Engineering. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	34
20	<i>In situ</i> coupling of lignin-derived carbon-encapsulated CoFe ₂ O ₄ /N heterojunction for oxygen evolution reaction. <i>AIChE Journal</i> , 2022, 68, .	3.6	34
21	Multi-scale self-templating synthesis strategy of lignin-derived hierarchical porous carbons toward high-performance zinc ion hybrid supercapacitors. <i>Journal of Energy Storage</i> , 2022, 53, 105095.	8.1	21
22	Multi-stage explosion of lignin: a new horizon for constructing defect-rich carbon towards advanced lithium ion storage. <i>Green Chemistry</i> , 2022, 24, 5941-5951.	9.0	14
23	Transparent montmorillonite/cellulose nanofibril nanocomposite films: the influence of exfoliation degree and interfacial interaction. <i>Cellulose</i> , 2022, 29, 7111-7124.	4.9	4
24	Preparation of Light-Colored Lignosulfonate Sunscreen Microcapsules with Strengthened UV-Blocking and Adhesion Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9381-9388.	6.7	22
25	Nitrogen-rich accordion-like lignin porous carbon via confined self-assembly template and in-situ mild activation strategy for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 628, 90-99.	9.4	25
26	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.	9.4	38
27	Investigation on the binding force between lignin and magnetic Fe ₃ O ₄ nanoparticles with AFM. <i>Applied Surface Science</i> , 2021, 538, 148146.	6.1	5
28	Designing the effective microstructure of lignin-based porous carbon substrate to inhibit the capacity decline for SnO ₂ anode. <i>Industrial Crops and Products</i> , 2021, 161, 113179.	5.2	15
29	The synthesis of a UCST-type zwitterionic polymer for the efficient recycling of cellulase at room temperature. <i>Green Chemistry</i> , 2021, 23, 2738-2746.	9.0	8
30	Effect of cellulase on the UCST behavior of sulfobetaine zwitterionic surfactants and the cellulase recovery mechanism. <i>Sustainable Energy and Fuels</i> , 2021, 5, 750-757.	4.9	3
31	Pristine lignin as a flame retardant in flexible PU foam. <i>Green Chemistry</i> , 2021, 23, 5972-5980.	9.0	33
32	Lignin-based materials with UV-blocking property. , 2021, , 271-290.		1
33	Direct Construction of Catechol Lignin for Engineering Long-Acting Conductive, Adhesive, and UV-Blocking Hydrogel Bioelectronics. <i>Small Methods</i> , 2021, 5, e2001311.	8.6	59
34	Facile synthesis of easily separated and reusable silver nanoparticles/aminated alkaline lignin composite and its catalytic ability. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 334-346.	9.4	23
35	Highly efficient evaporation method to prepare pH-responsive lignin-hollow-nanosphere with controllable size and its application in oral drug delivery. <i>Industrial Crops and Products</i> , 2021, 162, 113230.	5.2	20
36	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.	6.7	34

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37	Dual-templated synthesis of mesoporous lignin-derived honeycomb-like porous carbon/SiO ₂ composites for high-performance Li-ion battery. <i>Microporous and Mesoporous Materials</i> , 2021, 317, 111004.	4.4	21
38	Facile synthesis and performance of pH/temperature dual-response hydrogel containing lignin-based carbon dots. <i>International Journal of Biological Macromolecules</i> , 2021, 175, 516-525.	7.5	34
39	Wood-inspired strategy to toughen transparent cellulose nanofibril films. <i>Carbohydrate Polymers</i> , 2021, 259, 117759.	10.2	11
40	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.	5.8	4
41	Biomimetic high performance artificial muscle built on sacrificial coordination network and mechanical training process. <i>Nature Communications</i> , 2021, 12, 2916.	12.8	64
42	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.	9.4	39
43	One-pot preparation of hydrophobic lignin/SiO ₂ nanoparticles and its reinforcing effect on HDPE. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 523-532.	7.5	13
44	Atomic Force Microscopy Measurement in the Lignosulfonate/Inorganic Silica System: From Dispersion Mechanism Study to Product Design. <i>Engineering</i> , 2021, 7, 1140-1148.	6.7	19
45	Effects of sacrificial coordination bonds on the mechanical performance of lignin-based thermoplastic elastomer composites. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1450-1458.	7.5	11
46	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.	9.4	29
47	Adsorption-Enhanced Glucan Oligomer Production from Cellulose Hydrolysis over Hyper-Cross-Linked Polymer in Molten Salt Hydrate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52082-52091.	8.0	12
48	Preparation of novel all-lignin microcapsules via interfacial cross-linking of pickering emulsion. <i>Industrial Crops and Products</i> , 2021, 167, 113468.	5.2	16
49	Visible Light-Driven Reforming of Lignocellulose into H ₂ by Intrinsic Monolayer Carbon Nitride. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44243-44253.	8.0	24
50	Carbon nitride derived nitrogen-doped carbon nanosheets for high-rate lithium-ion storage. <i>Chemical Engineering Science</i> , 2021, 241, 116709.	3.8	34
51	Rational design of carbon anodes by catalytic pyrolysis of graphitic carbon nitride for efficient storage of Na and K mobile ions. <i>Nano Energy</i> , 2021, 87, 106184.	16.0	50
52	Extraction of Noncondensed Lignin from Poplar Sawdusts with <i>p</i> -Toluenesulfonic Acid and Ethanol. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10838-10847.	5.2	20
53	Accordion-Like Carbon with High Nitrogen Doping for Fast and Stable K Ion Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2101928.	19.5	88
54	Preparation and performance of lignin-based waterborne polyurethane emulsion. <i>Industrial Crops and Products</i> , 2021, 170, 113739.	5.2	30

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55	Beyond biodegradation: Chemical upcycling of poly(lactic acid) plastic waste to methyl lactate catalyzed by quaternary ammonium fluoride. <i>Journal of Catalysis</i> , 2021, 402, 61-71.	6.2	12
56	Design principles of lead-carbon additives toward better lead-carbon batteries. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100802.	4.8	7
57	Separation of short-chain glucan oligomers from molten salt hydrate and hydrolysis to glucose. <i>Green Chemistry</i> , 2021, 23, 4114-4124.	9.0	15
58	Curcumin-loaded high internal phase emulsions stabilized with lysine modified lignin: a biological agent with high photothermal protection and antibacterial properties. <i>Food and Function</i> , 2021, 12, 7469-7479.	4.6	14
59	Study on the Antioxidant Activity of Lignin and Its Application Performance in SBS Elastomer. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 790-797.	3.7	19
60	Lignin Derived Porous Carbons: Synthesis Methods and Supercapacitor Applications. <i>Small Methods</i> , 2021, 5, e2100896.	8.6	80
61	A comprehensive green utilization strategy of lignocellulose from rice husk for the fabrication of high-rate electrochemical zinc ion capacitors. <i>Journal of Cleaner Production</i> , 2021, 327, 129522.	9.3	25
62	Thermo-Responsive Behavior of Enzymatic Hydrolysis Lignin in the Ethanol/Water Mixed Solvent and Its Application in the Controlled Release of Pesticides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15634-15640.	6.7	10
63	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> , 2021, 4, 13617-13626.	5.1	14
64	Aqueous Phase Catalytic Conversion of Ethanol to Higher Alcohols over NiSn Bimetallic Catalysts Encapsulated in Nitrogen-Doped Biorefinery Lignin-Based Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 17959-17969.	3.7	7
65	Facile preparation of active lignin capsules for developing self-healing and UV-blocking polyurea coatings. <i>Progress in Organic Coatings</i> , 2020, 138, 105354.	3.9	28
66	Metalloporphyrin as a Biomimetic Catalyst for the Catalytic Oxidative Degradation of Lignin to Produce Aromatic Monomers. <i>Waste and Biomass Valorization</i> , 2020, 11, 4481-4489.	3.4	8
67	Preparation of high molecular weight pH-responsive lignin-polyethylene glycol (L-PEG) and its application in enzymatic saccharification of lignocelluloses. <i>Cellulose</i> , 2020, 27, 755-767.	4.9	8
68	Pickering emulsions synergistic-stabilized by amphoteric lignin and SiO ₂ nanoparticles: Stability and pH-responsive mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124158.	4.7	28
69	High performance PVA/lignin nanocomposite films with excellent water vapor barrier and UV-shielding properties. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 551-558.	7.5	122
70	Synthesis of strong and highly stretchable, electrically conductive hydrogel with multiple stimuli responsive shape memory behavior. <i>Polymer</i> , 2020, 188, 122147.	3.8	25
71	Structural regulation of lignin/silica nanocomposites by altering the content of quaternary ammonium groups grafted into softwood kraft lignin. <i>Industrial Crops and Products</i> , 2020, 144, 112039.	5.2	18
72	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.	1.9	13

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73	Green self-assembly synthesis of porous lignin-derived carbon quasi-nanosheets for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 392, 123721.	12.7	121
74	Incorporation of nano lignin reverse micelles on the transparency, UV-blocking and rheological properties of high-density polyethylene films. <i>Holzforschung</i> , 2020, 74, 513-521.	1.9	13
75	Kraft lignin grafted with isopentenol polyoxyethylene ether and the dispersion performance. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 1147-1154.	7.5	7
76	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.	5.8	34
77	Preparation of octopus-like lignin-grafted cationic polyacrylamide flocculant and its application for water flocculation. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 9-17.	7.5	61
78	Bioinspired Lignin-Polydopamine Nanocapsules with Strong Bioadhesion for Long-Acting and High-Performance Natural Sunscreens. <i>Biomacromolecules</i> , 2020, 21, 3231-3241.	5.4	62
79	Very Strong, Super-Tough, Antibacterial, and Biodegradable Polymeric Materials with Excellent UV-Blocking Performance. <i>ChemSusChem</i> , 2020, 13, 4974-4984.	6.8	41
80	Strong, Reusable, and Self-Healing Lignin-Containing Polyurea Adhesives. <i>ChemSusChem</i> , 2020, 13, 4691-4701.	6.8	62
81	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.	7.5	42
82	Engineering a lignin-based hollow carbon with opening structure for highly improving the photocatalytic activity and recyclability of ZnO. <i>Industrial Crops and Products</i> , 2020, 155, 112773.	5.2	18
83	Lignin-Based Nanoparticles: A Review on Their Preparations and Applications. <i>Polymers</i> , 2020, 12, 2471.	4.5	86
84	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.	5.2	18
85	Robust Conductive Hydrogel with Antibacterial Activity and UV-Shielding Performance. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17867-17875.	3.7	21
86	Piezoelectric Nanocellulose Thin Film with Large-Scale Vertical Crystal Alignment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26399-26404.	8.0	32
87	Preparation and application performance of lignin-polyurea composite microcapsule with controlled release of avermectin. <i>Colloid and Polymer Science</i> , 2020, 298, 1001-1012.	2.1	21
88	Synthesis of highly conductive hydrogel with high strength and super toughness. <i>Polymer</i> , 2020, 202, 122643.	3.8	40
89	Amino acid-functionalized polyampholytes as natural broad-spectrum antimicrobial agents for high-efficient personal protection. <i>Green Chemistry</i> , 2020, 22, 6357-6371.	9.0	43
90	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.	9.0	64

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91	Impact of nitrogen species and content on the catalytic activity to C–O bond cleavage of lignin over N-doped carbon supported Ru-based catalyst. <i>Fuel</i> , 2020, 278, 118324.	6.4	26
92	Structure–Adsorption Behavior–Dispersion Property Relationship of Alkyl Chain Cross-Linked Lignosulfonate with Different Molecular Weights. <i>ACS Omega</i> , 2020, 5, 4836-4843.	3.5	7
93	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.	3.7	43
94	Using highly recyclable sodium caseinate to enhance lignocellulosic hydrolysis and cellulase recovery. <i>Bioresource Technology</i> , 2020, 304, 122974.	9.6	9
95	Fabricating ZnO/lignin-derived flower-like carbon composite with excellent photocatalytic activity and recyclability. <i>Carbon</i> , 2020, 162, 256-266.	10.3	74
96	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.	7.5	19
97	Critical Role of Degree of Polymerization of Cellulose in Super-Strong Nanocellulose Films. <i>Matter</i> , 2020, 2, 1000-1014.	10.0	106
98	Atomic Force Microscopy and Molecular Dynamics Simulations for Study of Lignin Solution Self-Assembly Mechanisms in Organic–Aqueous Solvent Mixtures. <i>ChemSusChem</i> , 2020, 13, 4420-4427.	6.8	97
99	Model Compounds Study for the Mechanism of Horseradish Peroxidase-Catalyzed Lignin Modification. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 981-995.	2.9	4
100	Maleic acid as a dicarboxylic acid hydrotrope for sustainable fractionation of wood at atmospheric pressure and 100 °C: mode and utility of lignin esterification. <i>Green Chemistry</i> , 2020, 22, 1605-1617.	9.0	103
101	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.	7.5	25
102	Insights into the effect of aggregation on lignin fluorescence and its application for microstructure analysis. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 981-988.	7.5	36
103	Synthesis of anti-photolysis lignin-based dispersant and its application in pesticide suspension concentrate. <i>RSC Advances</i> , 2020, 10, 13830-13837.	3.6	23
104	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.	6.7	54
105	High-Performance Lignin-Containing Polyurethane Elastomers with Dynamic Covalent Polymer Networks. <i>Macromolecules</i> , 2019, 52, 6474-6484.	4.8	155
106	Preparation of Polyetheramine–Grafted Lignin and Its Application in UV-Resistant Polyurea Coatings. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900257.	3.6	29
107	pH-responsive lignin-based magnetic nanoparticles for recovery of cellulase. <i>Bioresource Technology</i> , 2019, 294, 122133.	9.6	39
108	Electrolyte engineering for a highly stable, rechargeable hybrid aqueous battery. <i>Journal of Energy Storage</i> , 2019, 26, 100920.	8.1	19

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109	Development of anti-photo and anti-thermal high internal phase emulsions stabilized by biomass lignin as a nutraceutical delivery system. <i>Food and Function</i> , 2019, 10, 355-365.	4.6	26
110	Equip the hydrogel with armor: strong and super tough biomass reinforced hydrogels with excellent conductivity and anti-bacterial performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26917-26926.	10.3	93
111	Efficient Removal of Cu ²⁺ in Water by Carboxymethylated Cellulose Nanofibrils: Performance and Mechanism. <i>Biomacromolecules</i> , 2019, 20, 4466-4475.	5.4	51
112	Synergetic Effect of Perfluorooctanoic Acid on the Preparation of Poly(3,4-ethylenedioxythiophene): Lignosulfonate Aqueous Dispersions with High Film Conductivity. <i>ChemistrySelect</i> , 2019, 4, 11406-11412.	1.5	7
113	Insight into the dispersive mechanism of Carboxylated Nanofibrillated cellulose for individual montmorillonite in water. <i>Composites Part B: Engineering</i> , 2019, 177, 107399.	12.0	6
114	Synthesis of a Hindered Amine-Grafted Lignin-Based Emulsifier and Its Application in a Green Emulsifiable Concentrate. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11129-11136.	5.2	13
115	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.	6.7	45
116	Preparation and release properties of flupiprole-loaded microcapsules with core status of solid particles, solution droplets and oil suspending agent. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 171-178.	2.2	4
117	Preparation of porous lignin-derived carbon/carbon nanotube composites by hydrophobic self-assembly and carbonization to enhance lithium storage capacity. <i>Electrochimica Acta</i> , 2019, 303, 1-8.	5.2	36
118	In Situ Preparation of Ru@N-Doped Carbon Catalyst for the Hydrogenolysis of Lignin To Produce Aromatic Monomers. <i>ACS Catalysis</i> , 2019, 9, 5828-5836.	11.2	110
119	Avermectin loaded nanosphere prepared from acylated alkali lignin showed anti-photolysis property and controlled release performance. <i>Industrial Crops and Products</i> , 2019, 137, 453-459.	5.2	36
120	Using a linear pH-responsive zwitterionic copolymer to recover cellulases in enzymatic hydrolysate and to enhance the enzymatic hydrolysis of lignocellulose. <i>Cellulose</i> , 2019, 26, 6725-6738.	4.9	3
121	Neutral fabrication of UV-blocking and antioxidation lignin-stabilized high internal phase emulsion encapsulates for high efficient antibacterium of natural curcumin. <i>Food and Function</i> , 2019, 10, 3543-3555.	4.6	25
122	Pretreatment of the corncob enzymatic residue with p-toluenesulfonic acid and valorization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 296-305.	4.7	3
123	Liquid-Liquid Extraction of Biobased Isobutanol from an Aqueous Solution. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2350-2356.	1.9	5
124	Enhancement and Mechanism of a Lignin Amphoteric Surfactant on the Production of Cellulosic Ethanol from a High-Solid Corncob Residue. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6248-6256.	5.2	25
125	A Simple and Rapid Method to Determine Sulfonation Degree of Lignosulfonates. <i>Bioenergy Research</i> , 2019, 12, 260-266.	3.9	7
126	Effect of the isoelectric point of pH-responsive lignin-based amphoteric surfactant on the enzymatic hydrolysis of lignocellulose. <i>Bioresource Technology</i> , 2019, 283, 112-119.	9.6	21

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127	A novel branched claw-shape lignin-based polycarboxylate superplasticizer: Preparation, performance and mechanism. <i>Cement and Concrete Research</i> , 2019, 119, 89-101.	11.0	57
128	Enhancement of Recyclable pH-Responsive Lignin-Grafted Phosphobetaine on Enzymatic Hydrolysis of Lignocelluloses. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7926-7931.	6.7	11
129	Green chemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019, 35, 995-1077.	4.4	3
130	High Performance Thermoplastic Elastomers with Biomass Lignin as Plastic Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6550-6560.	6.7	68
131	Recovering cellulase and increasing glucose yield during lignocellulosic hydrolysis using lignin-MPEG with a sensitive pH response. <i>Green Chemistry</i> , 2019, 21, 1141-1151.	9.0	42
132	Lignin-Reinforced Ethylene-Propylene-Diene Copolymer Elastomer via Hydrogen Bonding Interactions. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800689.	3.6	17
133	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.	6.7	77
134	Lignin-Reinforced Nitrile Rubber/Poly(vinyl chloride) Composites via Metal Coordination Interactions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 23114-23123.	3.7	26
135	Towards better UV-blocking and antioxidant performance of varnish via additives based on lignin and its colloids. <i>Holzforschung</i> , 2019, 73, 485-491.	1.9	22
136	Highly Resilient Lignin-Containing Polyurethane Foam. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 496-504.	3.7	76
137	Effect of lignin-based amphiphilic polymers on the cellulase adsorption and enzymatic hydrolysis kinetics of cellulose. <i>Carbohydrate Polymers</i> , 2019, 207, 52-58.	10.2	48
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