

Yanlin Qin

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.

46
papers

1,097
citations

20
h-index

32
g-index

54
ext. papers

1,627
ext. citations

7.3
avg, IF

5.05
L-index

#	Paper	IF	Citations
46	Peroxydisulfate activation by positively polarized carbocatalyst for enhanced removal of aqueous organic pollutants. <i>Water Research</i> , 2019 , 166, 115043	12.5	86
45	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
44	Rational design of 3D/2D InO nanocube/ZnInS nanosheet heterojunction photocatalyst with large-area "high-speed channels" for photocatalytic oxidation of 2,4-dichlorophenol under visible light. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121098	12.8	64
43	Facile fabrication and characterization of highly stretchable lignin-based hydroxyethyl cellulose self-healing hydrogel. <i>Carbohydrate Polymers</i> , 2019 , 223, 115080	10.3	63
42	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
41	Novel carbon and defects co-modified g-CN for highly efficient photocatalytic degradation of bisphenol A under visible light. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121323	12.8	57
40	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
39	Recent Progress in Organic-Inorganic Composite Solid Electrolytes for All-Solid-State Lithium Batteries. <i>Chemistry - A European Journal</i> , 2020 , 26, 1720-1736	4.8	54
38	Evaluation of the action of Tween 20 non-ionic surfactant during enzymatic hydrolysis of lignocellulose: Pretreatment, hydrolysis conditions and lignin structure. <i>Bioresource Technology</i> , 2018 , 269, 329-338	11	46
37	Synthesis and characterization of biomass lignin-based PVA super-absorbent hydrogel. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 538-545	7.9	45
36	Piezoelectric effect synergistically enhances the performance of Ti32-oxo-cluster/BaTiO3/CuS p-n heterojunction photocatalytic degradation of pollutants. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120019	21.8	38
35	Lignin-Based Nanoparticles: A Review on Their Preparations and Applications. <i>Polymers</i> , 2020 , 12,	4.5	34
34	Effect of lignin-based amphiphilic polymers on the cellulase adsorption and enzymatic hydrolysis kinetics of cellulose. <i>Carbohydrate Polymers</i> , 2019 , 207, 52-58	10.3	33
33	Heteropoly acids enhanced neutral deep eutectic solvent pretreatment for enzymatic hydrolysis and ethanol fermentation of <i>Miscanthus x giganteus</i> under mild conditions. <i>Bioresource Technology</i> , 2019 , 293, 122036	11	29
32	High value-added monomer chemicals and functional bio-based materials derived from polymeric components of lignocellulose by organosolv fractionation. <i>Biofuels, Bioproducts and Biorefining</i> , 2020 , 14, 371-401	5.3	29
31	A light-colored hydroxypropyl sulfonated alkali lignin for utilization as a dye dispersant. <i>Holzforchung</i> , 2016 , 70, 109-116	2	24
30	Influence of Transition Metal on the Hydrogen Evolution Reaction over Nano-Molybdenum-Carbide Catalyst. <i>Catalysts</i> , 2018 , 8, 294	4	23

29	Compressible, Fatigue Resistant, and Pressure-Sensitive Carbon Aerogels Developed with a Facile Method for Sensors and Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 12726-12733	8.3	23
28	Recent advances of transition metal based bifunctional electrocatalysts for rechargeable zinc-air batteries. <i>Journal of Power Sources</i> , 2020 , 477, 228696	8.9	21
27	The phase behavior of n-ethylpyridinium tetrafluoroborate and sodium-based salts ATPS and its application in 2-chlorophenol extraction. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 33, 76-82	3.2	21
26	Investigation of Adsorption Characteristics of Sodium Lignosulfonate on the Surface of Disperse Dye Using a Quartz Crystal Microbalance with Dissipation. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12313-12319	3.9	18
25	Effects of NaOH-catalyzed organosolv pretreatment and surfactant on the sugar production from sugarcane bagasse. <i>Bioresource Technology</i> , 2020 , 312, 123601	11	18
24	Preparation of a Low Reducing Effect Sulfonated Alkali Lignin and Application as Dye Dispersant. <i>Polymers</i> , 2018 , 10,	4.5	14
23	Towards better UV-blocking and antioxidant performance of varnish via additives based on lignin and its colloids. <i>Holzforschung</i> , 2019 , 73, 485-491	2	13
22	Preparation and interaction mechanism of Nano disperse dye using hydroxypropyl sulfonated lignin. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 280-287	7.9	12
21	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
20	Ring Opening of Cyclic Ether for Selective Synthesis of Renewable 1,5-Pentanediol over Pt/WO ₃ @SiO ₂ Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9372-9381	3.9	10
19	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
18	A novel quinolinyl-tetraphenylethene-based fluorescence turn-on sensor for Zn ²⁺ with a large Stokes shift and its applications for portable test strips and biological imaging. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3338-3348	7.8	10
17	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
16	Rational design of vanadium chalcogenides for sodium-ion batteries. <i>Journal of Power Sources</i> , 2020 , 478, 228769	8.9	9
15	Influence of the temperature on the (liquid + liquid) phase equilibria of (water + 1-propanol + linalool or geraniol). <i>Journal of Chemical Thermodynamics</i> , 2017 , 109, 109-116	2.9	8
14	Improved enzymatic hydrolysis of hardwood and cellulase stability by biomass kraft lignin-based polyoxyethylene ether. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 540-546	7.9	8
13	Facile In Situ Preparation and In Vitro Antibacterial Activity of PDMAEMA-Based Silver-Bearing Copolymer Micelles. <i>Nanoscale Research Letters</i> , 2019 , 14, 256	5	8
12	Enhanced low-temperature sodium storage kinetics in a NaTi ₂ (PO ₄) ₃ @C nanocomposite. <i>Journal of Power Sources</i> , 2020 , 477, 228735	8.9	8

11	High-barrier, strong, and antibacterial paper fabricated by coating acetylated cellulose and cinnamaldehyde for food packaging. <i>Cellulose</i> , 2021 , 28, 4371-4384	5.5	8
10	Regulating the Electrolyte Solvation Structure Enables Ultralong Lifespan Vanadium-Based Cathodes with Excellent Low-Temperature Performance. <i>Advanced Functional Materials</i> , 2021 , 11, 2111714	15.6	6
9	Green Synthesis of Highly Dispersed Ni/SiO ₂ Catalysts Using Natural Biomass of Sesbania Powder. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17399-17407	3.9	5
8	Hydrothermal conversion of biomass to higher alcohol fuels for compression ignition engine. <i>Energy Procedia</i> , 2019 , 158, 249-253	2.3	4
7	Measurement and correlation of liquid-liquid equilibrium data for the ternary systems tetrabutylammonium dicyanamide-1-propanol/2-propanol- water at different temperatures. <i>Fluid Phase Equilibria</i> , 2020 , 508, 112446	2.5	4
6	Tracing cellulase components in hydrolyzate during the enzymatic hydrolysis of corncob residue and its analysis. <i>Bioresource Technology Reports</i> , 2018 , 4, 137-144	4.1	4
5	Concentration-dependent emissive lignin-derived graphene quantum dots for bioimaging and anti-counterfeiting. <i>Diamond and Related Materials</i> , 2021 , 117, 108482	3.5	4
4	Selective Hydrogenation of Naphthalene to Decalin Over Surface-Engineered MoC Based on Synergy between Pd Doping and Mo Vacancy Generation. <i>Advanced Functional Materials</i> , 2021 , 11, 2112435	15.6	3
3	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
2	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
1	Rational design of 2D ultrathin BiO(HCOO) _x 1-x composite nanosheets: The synergistic effect of ultrathin structure and hybridization in the effective elimination of BPA under visible light irradiation. <i>Separation and Purification Technology</i> , 2021 , 282, 120153	8.3	1