Yanlin Qin

List of Publications by Year
in descending order

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54 papers	2,185 citations	236612 25 h-index	233125 45 g-index
54 all docs	54 docs citations	54 times ranked	2281 citing authors

#	Article	IF	Citations
1	Rational design of 2D ultrathin BiO(HCOO)xI1-x composite nanosheets: The synergistic effect of ultrathin structure and hybridization in the effective elimination of BPA under visible light irradiation. Separation and Purification Technology, 2022, 282, 120153.	3.9	6
2	Modulation of BrÃ¸nsted and Lewis Acid Centers for Ni_xCo_{3â^'}_xO₄ Spinel Catalysts: Towards Efficient Catalytic Conversion of Lignin. Advanced Functional Materials, 2022, 32, .	7.8	67
3	Regulating the Electrolyte Solvation Structure Enables Ultralong Lifespan Vanadiumâ€Based Cathodes with Excellent Lowâ€Temperature Performance. Advanced Functional Materials, 2022, 32, .	7.8	56
4	Selective Hydrogenation of Naphthalene to Decalin Over Surfaceâ€Engineered Î±â€MoC Based on Synergy between Pd Doping and Mo Vacancy Generation. Advanced Functional Materials, 2022, 32, .	7.8	15
5	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.	5.0	30
6	Flexible Self-Supporting 3D Electrode Based on 3D Graphene-PPy@Fe-MnCo₂O₄ Nanostructure Arrays toward High-Performance Wearable Supercapacitors. ACS Applied Energy Materials, 2022, 5, 5937-5946.	2.5	3
7	Sodium Preâ€Intercalated Carbon/V₂O₅ Constructed by Sustainable Sodium Lignosulfonate for Stable Cathodes in Zincâ€Ion Batteries: A Comprehensive Study. ChemSusChem, 2022, 15, .	3.6	10
8	Hierarchical Hollow Zinc Oxide Nanocomposites Derived from Morphologyâ€Tunable Coordination Polymers for Enhanced Solar Hydrogen Production. Angewandte Chemie, 2022, 134, .	1.6	4
9	Hierarchical Hollow Zinc Oxide Nanocomposites Derived from Morphologyâ€Tunable Coordination Polymers for Enhanced Solar Hydrogen Production. Angewandte Chemie - International Edition, 2022, 61, .	7.2	26
10	In situ coupling of ligninâ€derived carbonâ€encapsulated CoFeâ€Co_xN heterojunction for oxygen evolution reaction. AICHE Journal, 2022, 68, .	1.8	34
11	Multi-stage explosion of lignin: a new horizon for constructing defect-rich carbon towards advanced lithium ion storage. Green Chemistry, 2022, 24, 5941-5951.	4.6	14
12	The phase behavior of n-ethylpyridinium tetrafluoroborate and sodium-based salts ATPS and its application in 2-chlorophenol extraction. Chinese Journal of Chemical Engineering, 2021, 33, 76-82.	1.7	45
13	High-barrier, strong, and antibacterial paper fabricated by coating acetylated cellulose and cinnamaldehyde for food packaging. Cellulose, 2021, 28, 4371-4384.	2.4	25
14	Piezoelectric effect synergistically enhances the performance of Ti32-oxo-cluster/BaTiO3/CuS p-n heterojunction photocatalytic degradation of pollutants. Applied Catalysis B: Environmental, 2021, 291, 120019.	10.8	131
15	Concentration-dependent emissive lignin-derived graphene quantum dots for bioimaging and anti-counterfeiting. Diamond and Related Materials, 2021, 117, 108482.	1.8	7
16	Insights into Gas-Exfoliation and the In-Situ Template Mechanism of Zinc Compound for Lignin-Derived Supercapacitive Porous Carbon. ACS Applied Energy Materials, 2021, 4, 13617-13626.	2.5	14
17	Aqueous Phase Catalytic Conversion of Ethanol to Higher Alcohols over NiSn Bimetallic Catalysts Encapsulated in Nitrogen-Doped Biorefinery Lignin-Based Carbon. Industrial & Engineering Chemistry Research, 2021, 60, 17959-17969.	1.8	7
18	Novel carbon and defects co-modified g-C3N4 for highly efficient photocatalytic degradation of bisphenol A under visible light. Journal of Hazardous Materials, 2020, 384, 121323.	6.5	108

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19	Rational design of 3D/2D In2O3 nanocube/ZnIn2S4 nanosheet heterojunction photocatalyst with large-area â€œhigh-speed channelsâ€•for photocatalytic oxidation of 2,4-dichlorophenol under visible light. Journal of Hazardous Materials, 2020, 382, 121098.	6.5	124
20	Recent Progress in Organicâ€“Inorganic Composite Solid Electrolytes for Allâ€•Solidâ€•State Lithium Batteries. Chemistry - A European Journal, 2020, 26, 1720-1736.	1.7	100
21	High valueâ€•added monomer chemicals and functional bioâ€•based materials derived from polymeric components of lignocellulose by organosolv fractionation. Biofuels, Bioproducts and Biorefining, 2020, 14, 371-401.	1.9	63
22	Measurement and correlation of liquidâ€“liquid equilibrium data for the ternary systems tetrabutylammonium dicyanamideÂ+ 1-propanol/2-propanolÂ+ water at different temperatures. Fluid Phase Equilibria, 2020, 508, 112446.	1.4	7
23	Recent advances of transition metal based bifunctional electrocatalysts for rechargeable zinc-air batteries. Journal of Power Sources, 2020, 477, 228696.	4.0	56
24	Rational design of vanadium chalcogenides for sodium-ion batteries. Journal of Power Sources, 2020, 478, 228769.	4.0	21
25	A novel quinolinyl-tetraphenylethene-based fluorescence â€œturn-onâ€•sensor for Zn²⁺ with a large Stokes shift and its applications for portable test strips and biological imaging. Materials Chemistry Frontiers, 2020, 4, 3338-3348.	3.2	22
26	Green Synthesis of Highly Dispersed Ni/SiO₂ Catalysts Using Natural Biomass of Sesbania Powder. Industrial & Engineering Chemistry Research, 2020, 59, 17399-17407.	1.8	12
27	Cover Image, Volume 14, Issue 2. Biofuels, Bioproducts and Biorefining, 2020, 14, i.	1.9	0
28	Lignin-Based Nanoparticles: A Review on Their Preparations and Applications. Polymers, 2020, 12, 2471.	2.0	86
29	Ring Opening of Cyclic Ether for Selective Synthesis of Renewable 1,5-Pentanediol over Pt/WO₃@SiO₂ Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 9372-9381.	1.8	22
30	Effects of NaOH-catalyzed organosolv pretreatment and surfactant on the sugar production from sugarcane bagasse. Bioresource Technology, 2020, 312, 123601.	4.8	37
31	Preparation and interaction mechanism of Nano disperse dye using hydroxypropyl sulfonated lignin. International Journal of Biological Macromolecules, 2020, 152, 280-287.	3.6	24
32	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.	3.6	19
33	Enhanced low-temperature sodium storage kinetics in a NaTi2(PO4)3@C nanocomposite. Journal of Power Sources, 2020, 477, 228735.	4.0	21
34	Compressible, Fatigue Resistant, and Pressure-Sensitive Carbon Aerogels Developed with a Facile Method for Sensors and Electrodes. ACS Sustainable Chemistry and Engineering, 2019, 7, 12726-12733.	3.2	35
35	Facile fabrication and characterization of highly stretchable lignin-based hydroxyethyl cellulose self-healing hydrogel. Carbohydrate Polymers, 2019, 223, 115080.	5.1	109
36	Facile In Situ Preparation and In Vitro Antibacterial Activity of PDMAEMA-Based Silver-Bearing Copolymer Micelles. Nanoscale Research Letters, 2019, 14, 256.	3.1	10

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37	Synthesis and characterization of biomass lignin-based PVA super-absorbent hydrogel. International Journal of Biological Macromolecules, 2019, 140, 538-545.	3.6	91
38	Peroxydisulfate activation by positively polarized carbocatalyst for enhanced removal of aqueous organic pollutants. Water Research, 2019, 166, 115043.	5.3	137
39	Hydrothermal conversion of biomass to higher alcohol fuels for compression ignition engine. Energy Procedia, 2019, 158, 249-253.	1.8	5
40	Heteropoly acids enhanced neutral deep eutectic solvent pretreatment for enzymatic hydrolysis and ethanol fermentation of Miscanthus x giganteus under mild conditions. Bioresource Technology, 2019, 293, 122036.	4.8	48
41	Improved enzymatic hydrolysis of hardwood and cellulase stability by biomass kraft lignin-based polyoxyethylene ether. International Journal of Biological Macromolecules, 2019, 136, 540-546.	3.6	11
42	Towards better UV-blocking and antioxidant performance of varnish via additives based on lignin and its colloids. Holzforschung, 2019, 73, 485-491.	0.9	22
43	Effect of lignin-based amphiphilic polymers on the cellulase adsorption and enzymatic hydrolysis kinetics of cellulose. Carbohydrate Polymers, 2019, 207, 52-58.	5.1	48
44	Tracing cellulase components in hydrolyzate during the enzymatic hydrolysis of corncob residue and its analysis. Bioresource Technology Reports, 2018, 4, 137-144.	1.5	8
45	Preparation of a Low Reducing Effect Sulfonated Alkali Lignin and Application as Dye Dispersant. Polymers, 2018, 10, 982.	2.0	18
46	Evaluation of the action of Tween 20 non-ionic surfactant during enzymatic hydrolysis of lignocellulose: Pretreatment, hydrolysis conditions and lignin structure. Bioresource Technology, 2018, 269, 329-338.	4.8	83
47	Influence of Transition Metal on the Hydrogen Evolution Reaction over Nano-Molybdenum-Carbide Catalyst. Catalysts, 2018, 8, 294.	1.6	33
48	Influence of the temperature on the (liquid + liquid) phase equilibria of (water + 1-propanl + linalool) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	12
49	A light-colored hydroxypropyl sulfonated alkali lignin for utilization as a dye dispersant. Holzforschung, 2016, 70, 109-116.	0.9	31
50	Structure and Properties of Sodium Lignosulfonate with Different Molecular Weight Used as Dye Dispersant. Journal of Dispersion Science and Technology, 2015, 36, 532-539.	1.3	69
51	Investigation of grafted sulfonated alkali lignin polymer as dispersant in coal-water slurry. Journal of Industrial and Engineering Chemistry, 2015, 27, 192-200.	2.9	94
52	Hydroxypropyl Sulfonated Lignin as Dye Dispersant: Effect of Average Molecular Weight. ACS Sustainable Chemistry and Engineering, 2015, 3, 3239-3244.	3.2	72
53	Investigation of Adsorption Characteristics of Sodium Lignosulfonate on the Surface of Disperse Dye Using a Quartz Crystal Microbalance with Dissipation. Industrial & Engineering Chemistry Research, 2015, 54, 12313-12319.	1.8	23
54	Adsorption Characteristics of Naphthalene Sulfonate Formaldehyde Condensate with Different Molecular Weights. Journal of Dispersion Science and Technology, 2013, 34, 1092-1098.	1.3	10