

Jian-Qiang Chen

List of Publications by Year in descending order

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38
papers

1,054
citations

394421

19
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of nanocellulose on sodium alginate/polyacrylamide hydrogel: Mechanical properties and adsorption-desorption capacities. <i>Carbohydrate Polymers</i> , 2019, 206, 289-301.	10.2	154
2	Sustainable and Robust Superhydrophobic Cotton Fabrics Coated with Castor Oil-Based Nanocomposites for Effective Oil-Water Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7423-7435.	6.7	88
3	Separation and Sequential Recovery of Tetracycline and Cu(II) from Water Using Reusable Thermoresponsive Chitosan-Based Flocculant. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10266-10275.	8.0	52
4	NMR Study on the Effects of Sodium Dodecyl Sulfate on the Coil-to-Globule Transition of Poly(N-isopropylacrylamide) in Aqueous Solutions. <i>Macromolecules</i> , 2011, 44, 6227-6231.	4.8	51
5	Size-selective adsorption of methyl orange using a novel nano-composite by encapsulating HKUST-1 in hyper-crosslinked polystyrene networks. <i>Journal of Cleaner Production</i> , 2018, 184, 949-958.	9.3	43
6	Co-hydrothermal carbonization of pomelo peel and PVC for production of hydrochar pellets with enhanced fuel properties and dechlorination. <i>Energy</i> , 2022, 239, 122350.	8.8	42
7	Enhanced adsorption of pharmaceuticals onto core-brush shaped aromatic rings-functionalized chitosan magnetic composite particles: Effects of structural characteristics of both pharmaceuticals and brushes. <i>Journal of Cleaner Production</i> , 2018, 172, 1025-1034.	9.3	40
8	Catalytic hydrothermal carbonization of pomelo peel for enhanced combustibility of coal/hydrochar blends and reduced CO ₂ emission. <i>Fuel</i> , 2021, 304, 121422.	6.4	39
9	Enhanced Oil Adsorption and Nano-Emulsion Separation of Nanofibrous Aerogels by Coordination of Pomelo Peel-Derived Biochar. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 8825-8835.	3.7	38
10	Effect of Surfactant Concentration on the Complex Structure of Poly(N-isopropylacrylamide)/Sodium Dodecyl Sulfate in Aqueous Solutions. <i>Macromolecules</i> , 2012, 45, 5524-5529.	4.8	36
11	Synthesis of biocompatible and highly fluorescent N-doped silicon quantum dots from wheat straw and ionic liquids for heavy metal detection and cell imaging. <i>Science of the Total Environment</i> , 2021, 765, 142754.	8.0	36
12	Facile Fabrication of Superhydrophobic Cross-Linked Nanocellulose Aerogels for Oil-Water Separation. <i>Polymers</i> , 2021, 13, 625.	4.5	36
13	Organosolv pretreatment assisted by carbocation scavenger to mitigate surface barrier effect of lignin for improving biomass saccharification and utilization. <i>Biotechnology for Biofuels</i> , 2021, 14, 136.	6.2	30
14	Highly translucent all wood plastics via heterogeneous esterification in ionic liquid/dimethyl sulfoxide. <i>Industrial Crops and Products</i> , 2017, 108, 286-294.	5.2	29
15	Direct production of all-wood plastics by kneading in ionic liquids/DMSO. <i>Chemical Engineering Journal</i> , 2015, 279, 136-142.	12.7	25
16	Monitoring graphene oxide's efficiency for removing Re(VII) and Cr(VI) with fluorescent silica hydrogels. <i>Environmental Pollution</i> , 2020, 262, 114246.	7.5	25
17	One-step synthesis of interface-coupled Si@SiO _x @C from whole rice-husks for high-performance lithium storage. <i>Electrochimica Acta</i> , 2022, 402, 139556.	5.2	25
18	All-straw fiber composites: Benzylated straw as matrix and additional straw fiber reinforced composites. <i>Polymer Composites</i> , 2014, 35, 419-426.	4.6	23

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19	Facile fabrication of environmentally friendly bio-based superhydrophobic surfaces via UV-polymerization for self-cleaning and high efficient oil/water separation. <i>Progress in Organic Coatings</i> , 2019, 137, 105346.	3.9	21
20	Mechanochemical esterification of waste mulberry wood by wet Ball-milling with tetrabutylammonium fluoride. <i>Bioresource Technology</i> , 2019, 285, 121354.	9.6	20
21	Single-pot upgrading of run-of-mine coal and rice straw via Taguchi-optimized hydrothermal treatment: Fuel properties and synergistic effects. <i>Energy</i> , 2021, 236, 121482.	8.8	19
22	Thermally Tunable Pickering Emulsions Stabilized by Carbon-Dot-Incorporated Core-Shell Nanospheres with Fluorescence "Off" Behavior. <i>Langmuir</i> , 2018, 34, 273-283.	3.5	16
23	Ionic liquid-induced low temperature graphitization of cellulose-derived biochar for high performance sodium storage. <i>Surface and Coatings Technology</i> , 2021, 412, 127034.	4.8	16
24	Eco-friendly utilization of sawdust: Ionic liquid-modified biochar for enhanced Li ⁺ storage of TiO ₂ . <i>Science of the Total Environment</i> , 2021, 794, 148688.	8.0	16
25	NMR Methods to Study Effects of Additives on Phase Separation of Thermoresponsive Polymer. <i>Macromolecular Symposia</i> , 2014, 339, 24-32.	0.7	15
26	Castor-oil-based UV-curable hybrid coatings with self-healing, recyclability, removability, and hydrophobicity. <i>Progress in Organic Coatings</i> , 2022, 165, 106742.	3.9	15
27	The role of cations in homogeneous succinoylation of mulberry wood cellulose in salt-containing solvents under mild conditions. <i>Cellulose</i> , 2014, 21, 4081-4091.	4.9	14
28	Ionic liquid-induced graphitization of biochar: N/P dual-doped carbon nanosheets for high-performance lithium/sodium storage. <i>Journal of Materials Science</i> , 2021, 56, 8186-8201.	3.7	13
29	Low-temperature hydrothermal liquefaction of pomelo peel for production of 5-hydroxymethylfurfural-rich bio-oil using ionic liquid loaded ZSM-5. <i>Bioresource Technology</i> , 2022, 352, 127050.	9.6	13
30	Structural Evolution of Graphitic Carbon Derived from Ionic Liquids-Dissolved Cellulose and Its Application as Lithium-Ion Battery Anodes. <i>Langmuir</i> , 2022, 38, 320-331.	3.5	13
31	Bio-based Plastics with Highly Efficient Esterification of Lignocellulosic Biomass in 1-methylimidazole under Mild Conditions. <i>Journal of Wood Chemistry and Technology</i> , 2018, 38, 338-349.	1.7	10
32	Study on the preparation and mechanical properties of injection-moulded wood-based plastics. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	9
33	Synergistic effects of process-generated organic acids during co-hydrothermal carbonization of watermelon peel and high-sulfur coal. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107519.	6.7	9
34	Dissolution of wheat straw with aqueous NaOH/Urea solution. <i>Fibers and Polymers</i> , 2015, 16, 2368-2374.	2.1	8
35	Analysis of viscosity abnormalities of polyelectrolytes in dilute solutions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011, 29, 750-756.	3.8	6
36	Comparative study of pomelo-peel-derived hydrochar and torrefied poultry-litter on coal fuel blends: Combustibility, synergy factor, and ash analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 1240-1253.	3.7	5

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37	Effects of salt on homogeneous succinylation of lignocellulosic fibers in dimethyl sulfoxide/tetraethylammonium chloride under mild condition. Journal of Applied Polymer Science, 2015, 132, .	2.6	2
38	Biofilter treatment of gas phase $\hat{1}^2$ -caryophyllene at an elevated temperature. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 752-765.	1.7	2