

Yao Li

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.

50
papers

1,012
citations

19
h-index

30
g-index

54
ext. papers

1,538
ext. citations

6.9
avg, IF

4.78
L-index

#	Paper	IF	Citations
50	Novel lignin-chitosan-PVA composite hydrogel for wound dressing. <i>Materials Science and Engineering C</i> , 2019 , 104, 110002	8.3	97
49	A novel high-strength poly(ionic liquid)/PVA hydrogel dressing for antibacterial applications. <i>Chemical Engineering Journal</i> , 2019 , 365, 153-164	14.7	79
48	Novel Lignin-Cellulose-Based Carbon Nanofibers as High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1210-1221	9.5	60
47	Synthesis of a novel anti-freezing, non-drying antibacterial hydrogel dressing by one-pot method. <i>Chemical Engineering Journal</i> , 2019 , 372, 216-225	14.7	57
46	Presence and formation of fluorescence carbon dots in a grilled hamburger. <i>Food and Function</i> , 2017 , 8, 2558-2565	6.1	44
45	Bio-inspired Edible Superhydrophobic Interface for Reducing Residual Liquid Food. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 2143-2150	5.7	43
44	Lignin/Polyacrylonitrile Carbon Fibers: The Effect of Fractionation and Purification on Properties of Derived Carbon Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8554-8562	8.3	42
43	Functional food packaging for reducing residual liquid food: Thermo-resistant edible super-hydrophobic coating from coffee and beeswax. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 742-749	9.3	41
42	Facile one-step synthesis of highly luminescent N-doped carbon dots as an efficient fluorescent probe for chromium(VI) detection based on the inner filter effect. <i>New Journal of Chemistry</i> , 2018 , 42, 3729-3735	3.6	40
41	A novel composite hydrogel for solar evaporation enhancement at air-water interface. <i>Science of the Total Environment</i> , 2019 , 668, 153-160	10.2	39
40	Biomimetic lignin/poly(ionic liquids) composite hydrogel dressing with excellent mechanical strength, self-healing properties, and reusability. <i>Chemical Engineering Journal</i> , 2020 , 400, 125984	14.7	37
39	Novel porous oil-water separation material with super-hydrophobicity and super-oleophilicity prepared from beeswax, lignin, and cotton. <i>Science of the Total Environment</i> , 2020 , 706, 135807	10.2	34
38	Electrospun Lignin-Based Carbon Nanofibers as Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12831-12841	8.3	31
37	Presence and Formation Mechanism of Foodborne Carbonaceous Nanostructures from Roasted Pike Eel (<i>Muraenesox cinereus</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 2862-2869	5.7	30
36	Electrospun biomass based carbon nanofibers as high-performance supercapacitors. <i>Industrial Crops and Products</i> , 2020 , 148, 112181	5.9	29
35	Synthesis of magnetic nanoflower immobilized lipase and its continuous catalytic application. <i>New Journal of Chemistry</i> , 2019 , 43, 11082-11090	3.6	25
34	A theoretical study of the ESIPT mechanism of 3-hydroxyflavone derivatives: solvation effect and the importance of TICT for its dual fluorescence properties. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 3136-3143	5.2	24

33	A novel catalytic material for hydrolyzing cow's milk allergenic proteins: Papain-Cu(PO) ₄ BHO-magnetic nanoflowers. <i>Food Chemistry</i> , 2020 , 311, 125911	8.5	23
32	Biomimetic Biomass-Based Carbon Fibers: Effect of Covalent-Bond Connection on Performance of Derived Carbon Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16084-16093	8.3	21
31	Synthesis and continuous catalytic application of alkaline protease nanoflowers/PVA composite hydrogel. <i>Catalysis Communications</i> , 2018 , 116, 5-9	3.2	19
30	Physicochemical properties and cytotoxicity of carbon dots in grilled fish. <i>New Journal of Chemistry</i> , 2017 , 41, 8490-8496	3.6	19
29	A novel cellulose acetate/poly (ionic liquid) composite air filter. <i>Cellulose</i> , 2020 , 27, 3889-3902	5.5	16
28	Dynamics of water mobility and distribution in Surf clam (<i>Macrura chinensis</i>) during dehydration and rehydration processes assessed by low-field NMR and MRI. <i>Journal of Food Measurement and Characterization</i> , 2017 , 11, 1342-1354	2.8	14
27	Novel Nonreleasing Antibacterial Hydrogel Dressing by a One-Pot Method. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1259-1268	5.5	14
26	Multiscale immobilized lipase for rapid separation and continuous catalysis. <i>New Journal of Chemistry</i> , 2018 , 42, 13471-13478	3.6	13
25	A ionic liquid enhanced conductive hydrogel for strain sensing applications. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 192-203	9.3	13
24	Synergy of CO Response and Aggregation-Induced Emission in a Block Copolymer: A Facile Way To "See" Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37077-37083	9.5	12
23	Biomass-based flexible nanoscale carbon fibers: effects of chemical structure on energy storage properties. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10120-10134	13	10
22	A novel hydrogel with self-healing property and bactericidal activity. <i>Journal of Colloid and Interface Science</i> , 2021 , 584, 484-494	9.3	9
21	Differences between constant and intermittent drying in surf clam: Dynamics of water mobility and distribution study. <i>Drying Technology</i> , 2018 , 36, 1273-1283	2.6	8
20	Novel lignin-containing high-performance adhesive for extreme environment. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1832-1839	7.9	8
19	A novel high-strength photoluminescent hydrogel for tissue engineering. <i>Biomaterials Science</i> , 2018 , 6, 2320-2326	7.4	7
18	Insights into melanoidin conversion into fluorescent nanoparticles in the Maillard reaction. <i>Food and Function</i> , 2019 , 10, 4414-4422	6.1	7
17	Novel Nonprecious Metal Loading Multi-Metal Oxide Catalysts for Lignin Depolymerization. <i>Energy & Fuels</i> , 2019 , 33, 6491-6500	4.1	7
16	Multilayer graphite nano-sheet composite hydrogel for solar desalination systems with floatability and recyclability. <i>New Journal of Chemistry</i> , 2020 , 44, 20181-20191	3.6	7

15	A reusable ionic liquid-grafted antibacterial cotton gauze wound dressing. <i>Journal of Materials Science</i> , 2021 , 56, 7598-7612	4.3	6
14	A novel floatable composite hydrogel for solar evaporation enhancement. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 221-230	4.2	5
13	A novel self-healing triple physical cross-linked hydrogel for antibacterial dressing. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 6844-6855	7.3	5
12	Immobilization of laccases onto cellulose nanocrystals derived from waste newspaper: relationship between immobilized laccase activity and dialdehyde content. <i>Cellulose</i> , 2021 , 28, 4793-4805	5.5	4
11	Glass bead-catalyzed depolymerization of poplar wood lignin into low-molecular-weight products. <i>New Journal of Chemistry</i> , 2019 , 43, 9280-9288	3.6	3
10	Influence of Freezing-Thawing Cycle on Water Dynamics of Turbot Flesh Assessed by Low-Field Nuclear Magnetic Resonance and Magnetic Resonance Imaging. <i>International Journal of Food Engineering</i> , 2018 , 14,	1.9	3
9	A lipase/poly (ionic liquid)-styrene microspheres/PVA composite hydrogel for esterification application. <i>Enzyme and Microbial Technology</i> , 2021 , 152, 109935	3.8	2
8	Hydrogen-bonded lipase-hydrogel microspheres for esterification application. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1229-1238	9.3	1
7	Biomass-based flexible fire warning sensor with excellent flame retardancy and sensitivity. <i>Chemical Engineering Journal</i> , 2022 , 437, 135412	14.7	1
6	PM1-loaded recombinant human H-ferritin nanocages: A novel pH-responsive sensing platform for the identification of cancer cells.. <i>International Journal of Biological Macromolecules</i> , 2021 , 199, 223-223	7.9	0
5	Synthesis of papain-polyacrylamide hydrogel microspheres and their catalytic application. <i>New Journal of Chemistry</i> , 2021 , 45, 16696-16704	3.6	0
4	From liquid hot water pretreatment solution to lignin-based hydrophobic deep eutectic solvent for highly efficient extraction of Cr (VI).. <i>International Journal of Biological Macromolecules</i> , 2022 , 208, 883-889	7.9	0
3	Layer-by-Layer Assembly of Graphene Oxide and Polyethylenimine on Carbon Nanofiber Films for Supercapacitor Applications. <i>ACS Applied Nano Materials</i> , 2022 , 5, 455-463	5.6	0
2	Magnesium lignosulfonate-derived N, S co-doped 3D flower-like hierarchically porous carbon as an advanced metal-free electrocatalyst towards oxygen reduction reaction.. <i>International Journal of Biological Macromolecules</i> , 2022 , 209, 904-911	7.9	0
1	Surface Gelatin-Coated β -Mannanase-Immobilized Lignin for Delayed Release of β -Mannanase to Remediate Guar-Based Fracturing Fluid Damage.. <i>ACS Omega</i> , 2022 , 7, 11722-11730	3.9	