Yangbing Wen

List of Publications by Citations

36 papers	969 citations	19 h-index	30 g-index
36 ext. papers	1,199 ext. citations	7.4 avg, IF	4.78 L-index

#	Paper	IF	Citations
36	Adsorption of polyethylene glycol (PEG) onto cellulose nano-crystals to improve its dispersity. *Carbohydrate Polymers*, **2015**, 123, 157-63	10.3	87
35	Cellulosic Nanomaterials in Food and Nutraceutical Applications: A Review. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 8-19	5.7	74
34	TEMPO-oxidized cellulose nanofibers (TOCNs) as a green reinforcement for waterborne polyurethane coating (WPU) on wood. *Carbohydrate Polymers*, **2016**, 151, 326-334	10.3	65
33	Investigation of physical properties and displacement mechanisms of surface-grafted nano-cellulose fluids for enhanced oil recovery. *Fuel*, **2017**, 207, 352-364	7.1	65
32	Ethanol production from bamboo using mild alkaline pre-extraction followed by alkaline hydrogen peroxide pretreatment. *Bioresource Technology*, **2018**, 247, 242-249	11	55
31	Production of bioethanol and value added compounds from wheat straw through combined alkaline/alkaline-peroxide pretreatment. *Bioresource Technology*, **2018**, 259, 228-236	11	48
30	Preparation and Characterization of Lignin-Containing Cellulose Nanofibril from Poplar High-Yield Pulp via TEMPO-Mediated Oxidation and Homogenization. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6131-6139	8.3	47
29	Investigation of synergism between surface-grafted nano-cellulose and surfactants in stabilized foam injection process. *Fuel*, **2018**, 211, 223-232	7.1	45
28	Stabilization of Foam Lamella Using Novel Surface-Grafted Nanocellulose-Based Nanofluids. *Langmuir*, **2017**, 33, 5127-5139	4	43
27	Preparation of cellulose nano-crystals through a sequential process of cellulase pretreatment and acid hydrolysis. *Cellulose*, **2016**, 23, 2409-2420	5.5	35
26	Treatment of paper mill wastewater using a composite inorganic coagulant prepared from steel mill waste pickling liquor. *Separation and Purification Technology*, **2019**, 209, 238-245	8.3	30
25	A biorefinery scheme to fractionate bamboo into high-grade dissolving pulp and ethanol. *Biotechnology for Biofuels*, **2017**, 10, 38	7.8	27
24	Evaluation of an organosolv-based biorefinery process to fractionate wheat straw into ethanol and co-products. *Industrial Crops and Products*, **2018**, 121, 294-302	5.9	26
23	Stability enhancement of nanofibrillated cellulose in electrolytes through grafting of 2-acrylamido-2-methylpropane sulfonic acid. *Cellulose*, **2017**, 24, 731-738	5.5	25
22	Development of poly(acrylic acid)/nanofibrillated cellulose superabsorbent composites by ultraviolet light induced polymerization. *Cellulose*, **2015**, 22, 2499-2506	5.5	25
21	Improving salt tolerance and thermal stability of cellulose nanofibrils by grafting modification. *Carbohydrate Polymers*, **2019**, 211, 257-265	10.3	24
20	Nano-fibrillated cellulose (NFC) as versatile carriers of TiO2 nanoparticles (TNPs) for photocatalytic hydrogen generation. *RSC Advances*, **2016**, 6, 89457-89466	3.7	23

19	Design of Nanocellulose Fibrils Containing Lignin Segment (L-NCF) for Producing Stable Liquid Foams as Green Flooding Agents for Oil Recovery. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11426-11437	8.3	22
18	Hydrogels prepared from cellulose nanofibrils via ferric ion-mediated crosslinking reaction for protecting drilling fluid. *Carbohydrate Polymers*, **2019**, 212, 67-74	10.3	20
17	Enhancement of hydrophobicity of nanofibrillated cellulose through grafting of alkyl ketene dimer. *Cellulose*, **2018**, 25, 6863-6871	5.5	17
16	Evaluation of an integrated process to fully utilize bamboo biomass during the production of bioethanol. *Bioresource Technology*, **2017**, 236, 202-211	11	16
15	Evaluation of Ultraviolet Light and Hydrogen Peroxide Enhanced Ozone Oxidation Treatment for the Production of Cellulose Nanofibrils. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2688-2697	8.3	14
14	Enhancing the Fock reactivity of dissolving pulp by the combined prerefining and poly dimethyl diallyl ammonium chloride-assisted cellulase treatment. *Bioresource Technology*, **2018**, 260, 135-140	11	14
13	Binding of Sodium Cholate In Vitro by Cationic Microfibrillated Cellulose. *Industrial & Engineering Chemistry Research*, **2014**, 53, 18508-18513	3.9	14
12	Comparison of alkaline and acid-catalyzed steam pretreatments for ethanol production from tobacco stalk. *Industrial Crops and Products*, **2019**, 142, 111864	5.9	14
11	Cellulose nanofibril-polymer hybrids for protecting drilling fluid at high salinity and high temperature. *Carbohydrate Polymers*, **2020**, 229, 115465	10.3	13
10	Facile preparation of regenerated cellulose film from cotton linter using organic electrolyte solution (OES). *Cellulose*, **2017**, 24, 1631-1639	5.5	11
9	Cationic cellulose nanofibers as sustainable flocculant and retention aid for reconstituted tobacco sheet with high performance. *Carbohydrate Polymers*, **2019**, 210, 372-378	10.3	10
8	Bubble breakup dynamics and flow behaviors of a surface-functionalized nanocellulose based nanofluid stabilized foam in constricted microfluidic devices. *Journal of Industrial and Engineering Chemistry*, **2018**, 68, 24-32	6.3	10
7	Zwitterionic Cellulose Nanofibrils with High Salt Sensitivity and Tolerance. *Biomacromolecules*, **2020** , 21, 1471-1479	6.9	9
6	Enhancing the redispersibility of TEMPO-mediated oxidized cellulose nanofibrils in N,N-dimethylformamide by modification with cetyltrimethylammonium bromide. *Cellulose*, **2019**, 26, 7769-7780	5.5	9
5	Cationic amphiphilic microfibrillated cellulose (MFC) for potential use for bile acid sorption. *Carbohydrate Polymers*, **2015**, 132, 598-605	10.3	8
4	Poly dimethyl diallyl ammonium chloride assisted cellulase pretreatment for pulp refining efficiency enhancement. *Carbohydrate Polymers*, **2019**, 203, 342-348	10.3	7
3	Improving the production of nanofibrillated cellulose from bamboo pulp by the combined cellulase and refining treatment. *Journal of Chemical Technology and Biotechnology*, **2019**, 94, 2178	3.5	6
2	Using cationic nanofibrillated cellulose to increase the precipitated calcium carbonate retention and physical properties during reconstituted tobacco sheet preparation. *Industrial Crops and Products*, **2019**, 130, 592-597	5.9	6

1	Pseudo-interpenetrating network viscoelastic surfactant fracturing fluid formed by surface-modified cellulose nanofibril and wormlike micelles. *Journal of Petroleum Science and Engineering*, **2022**, 208, 109608	4.4	5