

Yangbing Wen

List of Publications by Year in Descending Order

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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.

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	Pseudo-interpenetrating network viscoelastic surfactant fracturing fluid formed by surface-modified cellulose nanofibril and wormlike micelles. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 208, 109608	4.4	5
35	Evaluation of Ultraviolet Light and Hydrogen Peroxide Enhanced Ozone Oxidation Treatment for the Production of Cellulose Nanofibrils. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2688-2697	8.3	14
34	Zwitterionic Cellulose Nanofibrils with High Salt Sensitivity and Tolerance. <i>Biomacromolecules</i> , 2020 , 21, 1471-1479	6.9	9
33	Cellulose nanofibril-polymer hybrids for protecting drilling fluid at high salinity and high temperature. <i>Carbohydrate Polymers</i> , 2020 , 229, 115465	10.3	13
32	Cationic cellulose nanofibers as sustainable flocculant and retention aid for reconstituted tobacco sheet with high performance. <i>Carbohydrate Polymers</i> , 2019 , 210, 372-378	10.3	10
31	Improving salt tolerance and thermal stability of cellulose nanofibrils by grafting modification. <i>Carbohydrate Polymers</i> , 2019 , 211, 257-265	10.3	24
30	Design of Nanocellulose Fibrils Containing Lignin Segment (L-NCF) for Producing Stable Liquid Foams as Green Flooding Agents for Oil Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11426-11437	8.3	22
29	Improving the production of nanofibrillated cellulose from bamboo pulp by the combined cellulase and refining treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 2178	3.5	6
28	Treatment of paper mill wastewater using a composite inorganic coagulant prepared from steel mill waste pickling liquor. <i>Separation and Purification Technology</i> , 2019 , 209, 238-245	8.3	30
27	Enhancing the redispersibility of TEMPO-mediated oxidized cellulose nanofibrils in N,N-dimethylformamide by modification with cetyltrimethylammonium bromide. <i>Cellulose</i> , 2019 , 26, 7769-7780	5.5	9
26	Hydrogels prepared from cellulose nanofibrils via ferric ion-mediated crosslinking reaction for protecting drilling fluid. <i>Carbohydrate Polymers</i> , 2019 , 212, 67-74	10.3	20
25	Preparation and Characterization of Lignin-Containing Cellulose Nanofibril from Poplar High-Yield Pulp via TEMPO-Mediated Oxidation and Homogenization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6131-6139	8.3	47
24	Comparison of alkaline and acid-catalyzed steam pretreatments for ethanol production from tobacco stalk. <i>Industrial Crops and Products</i> , 2019 , 142, 111864	5.9	14
23	Using cationic nanofibrillated cellulose to increase the precipitated calcium carbonate retention and physical properties during reconstituted tobacco sheet preparation. <i>Industrial Crops and Products</i> , 2019 , 130, 592-597	5.9	6
22	Poly dimethyl diallyl ammonium chloride assisted cellulase pretreatment for pulp refining efficiency enhancement. <i>Carbohydrate Polymers</i> , 2019 , 203, 342-348	10.3	7
21	Enhancing the Fock reactivity of dissolving pulp by the combined prerefining and poly dimethyl diallyl ammonium chloride-assisted cellulase treatment. <i>Bioresource Technology</i> , 2018 , 260, 135-140	11	14
20	Cellulosic Nanomaterials in Food and Nutraceutical Applications: A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 8-19	5.7	74

19	Production of bioethanol and value added compounds from wheat straw through combined alkaline/alkaline-peroxide pretreatment. <i>Bioresource Technology</i> , 2018 , 259, 228-236	11	48
18	Investigation of synergism between surface-grafted nano-cellulose and surfactants in stabilized foam injection process. <i>Fuel</i> , 2018 , 211, 223-232	7.1	45
17	Ethanol production from bamboo using mild alkaline pre-extraction followed by alkaline hydrogen peroxide pretreatment. <i>Bioresource Technology</i> , 2018 , 247, 242-249	11	55
16	Bubble breakup dynamics and flow behaviors of a surface-functionalized nanocellulose based nanofluid stabilized foam in constricted microfluidic devices. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 68, 24-32	6.3	10
15	Enhancement of hydrophobicity of nanofibrillated cellulose through grafting of alkyl ketene dimer. <i>Cellulose</i> , 2018 , 25, 6863-6871	5.5	17
14	Evaluation of an organosolv-based biorefinery process to fractionate wheat straw into ethanol and co-products. <i>Industrial Crops and Products</i> , 2018 , 121, 294-302	5.9	26
13	A biorefinery scheme to fractionate bamboo into high-grade dissolving pulp and ethanol. <i>Biotechnology for Biofuels</i> , 2017 , 10, 38	7.8	27
12	Stabilization of Foam Lamella Using Novel Surface-Grafted Nanocellulose-Based Nanofluids. <i>Langmuir</i> , 2017 , 33, 5127-5139	4	43
11	Evaluation of an integrated process to fully utilize bamboo biomass during the production of bioethanol. <i>Bioresource Technology</i> , 2017 , 236, 202-211	11	16
10	Facile preparation of regenerated cellulose film from cotton linter using organic electrolyte solution (OES). <i>Cellulose</i> , 2017 , 24, 1631-1639	5.5	11
9	Stability enhancement of nanofibrillated cellulose in electrolytes through grafting of 2-acrylamido-2-methylpropane sulfonic acid. <i>Cellulose</i> , 2017 , 24, 731-738	5.5	25
8	Investigation of physical properties and displacement mechanisms of surface-grafted nano-cellulose fluids for enhanced oil recovery. <i>Fuel</i> , 2017 , 207, 352-364	7.1	65
7	TEMPO-oxidized cellulose nanofibers (TOCNs) as a green reinforcement for waterborne polyurethane coating (WPU) on wood. <i>Carbohydrate Polymers</i> , 2016 , 151, 326-334	10.3	65
6	Preparation of cellulose nano-crystals through a sequential process of cellulase pretreatment and acid hydrolysis. <i>Cellulose</i> , 2016 , 23, 2409-2420	5.5	35
5	Nano-fibrillated cellulose (NFC) as versatile carriers of TiO ₂ nanoparticles (TNPs) for photocatalytic hydrogen generation. <i>RSC Advances</i> , 2016 , 6, 89457-89466	3.7	23
4	Development of poly(acrylic acid)/nanofibrillated cellulose superabsorbent composites by ultraviolet light induced polymerization. <i>Cellulose</i> , 2015 , 22, 2499-2506	5.5	25
3	Cationic amphiphilic microfibrillated cellulose (MFC) for potential use for bile acid sorption. <i>Carbohydrate Polymers</i> , 2015 , 132, 598-605	10.3	8
2	Adsorption of polyethylene glycol (PEG) onto cellulose nano-crystals to improve its dispersity. <i>Carbohydrate Polymers</i> , 2015 , 123, 157-63	10.3	87

- 1 Binding of Sodium Cholate In Vitro by Cationic Microfibrillated Cellulose. *Industrial & Engineering Chemistry Research*, **2014**, 53, 18508-18513

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