

Jing Shen

List of Publications by Year in descending order

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57
papers

1,486
citations

331259

21
h-index

329751

37
g-index

60
all docs

60
docs citations

60
times ranked

1643
citing authors

#	ARTICLE	IF	CITATIONS
1	Carboxymethyl cellulose/alum modified precipitated calcium carbonate fillers: Preparation and their use in papermaking. <i>Carbohydrate Polymers</i> , 2010, 81, 545-553.	5.1	133
2	Applications of Cellulose-based Materials in Sustained Drug Delivery Systems. <i>Current Medicinal Chemistry</i> , 2019, 26, 2485-2501.	1.2	120
3	A Review on Use of Fillers in Cellulosic Paper for Functional Applications. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 661-666.	1.8	115
4	A combined process of activated carbon adsorption, ion exchange resin treatment and membrane concentration for recovery of dissolved organics in pre-hydrolysis liquor of the kraft-based dissolving pulp production process. <i>Bioresource Technology</i> , 2013, 127, 59-65.	4.8	90
5	Integrated Reductive/Adsorptive Detoxification of Cr(VI)-Contaminated Water by Polypyrrole/Cellulose Fiber Composite. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 10408-10415.	1.8	71
6	Biopolymers for surface engineering of paper-based products. <i>Cellulose</i> , 2014, 21, 3145-3160.	2.4	64
7	Filler modification for papermaking with starch/oleic acid complexes with the aid of calcium ions. <i>Carbohydrate Polymers</i> , 2013, 98, 931-935.	5.1	53
8	Recovery of lignocelluloses from pre-hydrolysis liquor in the lime kiln of kraft-based dissolving pulp production process by adsorption to lime mud. <i>Bioresource Technology</i> , 2011, 102, 10035-10039.	4.8	51
9	Rapid inhibition of atherosclerotic plaque progression by sonodynamic therapy. <i>Cardiovascular Research</i> , 2019, 115, 190-203.	1.8	49
10	Interaction between two oppositely charged starches in an aqueous medium containing suspended mineral particles as a basis for the generation of cellulose-compatible composites. <i>Industrial Crops and Products</i> , 2017, 97, 417-424.	2.5	47
11	Polyaniline/cellulose fiber composite prepared using persulfate as oxidant for Cr(VI)-detoxification. <i>Carbohydrate Polymers</i> , 2013, 92, 659-661.	5.1	42
12	Robust Nanofibrillated Cellulose Hydro/Aerogels from Benign Solution/Solvent Exchange Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6624-6634.	3.2	41
13	Carbohydrate-based fillers and pigments for papermaking: A review. <i>Carbohydrate Polymers</i> , 2011, 85, 17-22.	5.1	38
14	Multifunctional Bionanocomposite Foams with a Chitosan Matrix Reinforced by Nanofibrillated Cellulose. <i>ChemNanoMat</i> , 2017, 3, 98-108.	1.5	37
15	Label-free electrochemical aptasensor for adenosine detection based on cascade signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2017, 90, 356-362.	5.3	35
16	Lime Treatment of Prehydrolysis Liquor from the Kraft-Based Dissolving Pulp Production Process. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 662-667.	1.8	26
17	Improving the adsorption of lignocelluloses of prehydrolysis liquor on precipitated calcium carbonate. <i>Carbohydrate Polymers</i> , 2013, 92, 2103-2110.	5.1	24
18	Starch/rosin complexes for improving the interaction of mineral filler particles with cellulosic fibers. <i>Carbohydrate Polymers</i> , 2015, 117, 78-82.	5.1	24

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19	Anchoring 20(R)-Ginsenoside Rg3 onto Cellulose Nanocrystals To Increase the Hydroxyl Radical Scavenging Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7507-7513.	3.2	24
20	Filler Modification for Papermaking with Cationic Starch and Carboxymethyl Cellulose: A Comparative Study. <i>BioResources</i> , 2013, 8, .	0.5	23
21	An integrated approach for Cr(VI)-detoxification with polyaniline/cellulose fiber composite prepared using hydrogen peroxide as oxidant. <i>Bioresource Technology</i> , 2012, 124, 516-519.	4.8	21
22	Immobilization of white rot fungi to carbohydrate-rich corn cob as a basis for tertiary treatment of secondarily treated pulp and paper mill wastewater. <i>Industrial Crops and Products</i> , 2017, 109, 538-541.	2.5	21
23	Flavivirus: From Structure to Therapeutics Development. <i>Life</i> , 2021, 11, 615.	1.1	21
24	Coaggregation of mineral filler particles and starch granules as a basis for improving filler-fiber interaction in paper production. <i>Carbohydrate Polymers</i> , 2016, 149, 20-27.	5.1	20
25	Upregulation of β enolase (ENO1) crotonylation in colorectal cancer and its promoting effect on cancer cell metastasis. <i>Biochemical and Biophysical Research Communications</i> , 2021, 578, 77-83.	1.0	20
26	Combination of microsized mineral particles and rosin as a basis for converting cellulosic fibers into "stickily" superhydrophobic paper. <i>Carbohydrate Polymers</i> , 2017, 174, 95-102.	5.1	19
27	Pathological matrix stiffness promotes cardiac fibroblast differentiation through the POU2F1 signaling pathway. <i>Science China Life Sciences</i> , 2021, 64, 242-254.	2.3	19
28	Introducing carboxyl and aldehyde groups to softwood-derived cellulosic fibers by laccase/TEMPO-catalyzed oxidation. <i>Cellulose</i> , 2013, 20, 2371-2378.	2.4	18
29	Membrane nanotubes facilitate the propagation of inflammatory injury in the heart upon overactivation of the β -adrenergic receptor. <i>Cell Death and Disease</i> , 2020, 11, 958.	2.7	18
30	Starch/Sodium Oleate/Calcium Chloride Modified Filler for Papermaking: Impact of Filler Modification Process Conditions and Retention Systems As Evaluated by Filler Bondability Factor in Combination with Other Parameters. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6426-6432.	1.8	17
31	Superhydrophobic Coatings with Edible Biowaxes for Reducing or Eliminating Liquid Residues of Foods and Drinks in Containers. <i>BioResources</i> , 2017, 13, 1-2.	0.5	16
32	A review on engineering of cellulosic cigarette paper to reduce carbon monoxide delivery of cigarettes. <i>Carbohydrate Polymers</i> , 2014, 101, 769-775.	5.1	15
33	Unmodified Starch Granules for Strengthening Mineral-Filled Cellulosic Fiber Networks Promoted by Starch Pretreatment with a Cationic Polymer Flocculant in Combination with the Use of an Anionic Microparticulate Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1866-1872.	3.2	15
34	Bioinspired Paper-Based Nanocomposites Enabled by Biowax "Mineral Hybrids and Proteins. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9906-9919.	3.2	15
35	Discovering novel hub genes and pathways associated with the pathogenesis of psoriasis. <i>Dermatologic Therapy</i> , 2020, 33, e13993.	0.8	14
36	A Review on the Use of Lignocellulose-derived Chemicals in Wet-end Application of Papermaking. <i>Current Organic Chemistry</i> , 2013, 17, 1647-1654.	0.9	14

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37	A process of converting cellulosic fibers to a superhydrophobic fiber product by internal and surface applications of calcium carbonate in combination with bio-wax post-treatment. RSC Advances, 2014, 4, 52680-52685.	1.7	11
38	A process of applying polypyrrole-engineered pulp fibers prepared using hydrogen peroxide as oxidant to detoxification of Cr(VI)-contaminated water. Bioresource Technology, 2013, 131, 134-138.	4.8	10
39	Cationic Hemicellulose As a Product of Dissolving Pulp Based Biorefinery. Industrial & Engineering Chemistry Research, 2015, 54, 1426-1432.	1.8	9
40	β 2-adrenergic receptor activation induces TGF β 1 expression in cardiomyocytes via the PKG/JNK/c-Jun pathway. Biochemical and Biophysical Research Communications, 2018, 503, 146-151.	1.0	8
41	Platinum nanoparticles promote breast cancer cell metastasis by disrupting endothelial barrier and inducing intravasation and extravasation. Nano Research, 2022, 15, 7366-7377.	5.8	7
42	Statistical distribution of mechanical properties and energy absorption of laminated cotton fabric reinforced epoxy composites. Polymer Composites, 2020, 41, 2829-2840.	2.3	6
43	APPLICATION OF FILLERS IN CELLULOSIC PAPER BY SURFACE FILLING: AN INTERESTING ALTERNATIVE OR SUPPLEMENT TO WET-END ADDITION. BioResources, 2012, 7, .	0.5	6
44	Optimum Design for 160-Gb/s All-Optical Time-Domain Demultiplexing Based on Cascaded Second-Order Nonlinearities of SHG and DFG. IEEE Journal of Quantum Electronics, 2009, 45, 694-699.	1.0	5
45	USE OF MINERAL PIGMENTS IN FABRICATION OF SUPERHYDROPHOBICALLY ENGINEERED CELLULOSIC PAPER. BioResources, 2012, 7, .	0.5	5
46	Recovery of manool from evaporator condensate by induced air flotation in a kraft pulp mill based integrated biorefinery. Separation and Purification Technology, 2017, 188, 508-511.	3.9	5
47	Localized Liquefaction Coupled with Rapid Solidification for Miniaturizing/Nanotexturizing Microfibrous Bioassemblies into Robust, Liquid-Resistant Sheet. ACS Sustainable Chemistry and Engineering, 2018, 6, 15697-15707.	3.2	5
48	Flame-retardant, antibacterial, liquid-barrier, and wet-strength paper enabled by cellulosic fiber-derived additives. Carbohydrate Polymers, 2022, 293, 119728.	5.1	5
49	Role of stilbene-triazine sulfonic acid sodium salts in tuning electro-conductivity of polypyrrole-paper composites. Synthetic Metals, 2017, 228, 79-83.	2.1	4
50	High Expression of Interleukin-2 Receptor Subunit Gamma Reveals Poor Prognosis in Human Gastric Cancer. Journal of Oncology, 2021, 2021, 1-8.	0.6	2
51	Colloids, nanostructures, and supramolecular assemblies for papermaking. BioResources, 2020, 15, 4646-4649.	0.5	2
52	China's High-yield Pulp Sector and Its Carbon Dioxide Emission: Considering the Saved Standing Wood as an Increase of Carbon Storage. BioResources, 2014, 10, .	0.5	1
53	Engineering of Cellulosic Cigarette Paper to Reduce the Toxic Emissions of Smoking. BioResources, 2013, 8, .	0.5	1
54	Reconsidering the concept of dry surface treatment of cellulosic paper to produce coated paper products. BioResources, 2013, 8, 3177-3180.	0.5	1

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55	Calculation of Casimir force using FDTD method. , 2012, , .		0
56	Strategies to improve the fluorescent signal of the tripartite sfGFP system. Acta Biochimica Et Biophysica Sinica, 2020, 52, 998-1006.	0.9	0
57	Edible additives & cellulosic paper. BioResources, 2020, 15, 2114-2116.	0.5	0