

Hye Jung Youn

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

914
citations

623734

14
h-index

454955

30
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39
all docs

39
docs citations

39
times ranked

1103
citing authors

#	ARTICLE	IF	CITATIONS
1	Subnanomolar Sensitivity of Filter Paper-Based SERS Sensor for Pesticide Detection by Hydrophobicity Change of Paper Surface. <i>ACS Sensors</i> , 2018, 3, 151-159.	7.8	165
2	Fractionation of lignin macromolecules by sequential organic solvents systems and their characterization for further valuable applications. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 793-802.	7.5	97
3	Preparation of cross-linked cellulose nanofibril aerogel with water absorbency and shape recovery. <i>Cellulose</i> , 2015, 22, 3715-3724.	4.9	75
4	Diatom Bio-Silica and Cellulose Nanofibril for Bio-Triboelectric Nanogenerators and Self-Powered Breath Monitoring Masks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 219-232.	8.0	68
5	Barrier coatings with various types of cellulose nanofibrils and their barrier properties. <i>Cellulose</i> , 2020, 27, 4509-4523.	4.9	52
6	Optimization of carboxymethylation reaction as a pretreatment for production of cellulose nanofibrils. <i>Cellulose</i> , 2018, 25, 3873-3883.	4.9	51
7	Flocculation behavior of cellulose nanofibrils under different salt conditions and its impact on network strength and dewatering ability. <i>Cellulose</i> , 2015, 22, 3689-3700.	4.9	45
8	Biological Activity of Thyme White Essential Oil Stabilized by Cellulose Nanocrystals. <i>Biomolecules</i> , 2019, 9, 799.	4.0	44
9	Improving the Barrier Properties of Packaging Paper by Polyvinyl Alcohol Based Polymer Coating—Effect of the Base Paper and Nanoclay. <i>Polymers</i> , 2021, 13, 1334.	4.5	38
10	The effects of process variables for GCC pre-flocculation on floc and handsheet properties. <i>Nordic Pulp and Paper Research Journal</i> , 2012, 27, 382-387.	0.7	31
11	Fold cracking of coated paper: The effect of pulp fiber composition and beating. <i>Nordic Pulp and Paper Research Journal</i> , 2012, 27, 445-450.	0.7	24
12	Preparation of porous sheets with high mechanical strength by the addition of cellulose nanofibrils. <i>Cellulose</i> , 2016, 23, 1383-1392.	4.9	18
13	Preparation of Transparent and Thick CNF/Epoxy Composites by Controlling the Properties of Cellulose Nanofibrils. <i>Nanomaterials</i> , 2020, 10, 625.	4.1	17
14	Effects of coating composition and folding direction on the fold cracking of coated paper. <i>Nordic Pulp and Paper Research Journal</i> , 2016, 31, 347-353.	0.7	15
15	Conductive paper through LbL multilayering with conductive polymer: dominant factors to increase electrical conductivity. <i>Cellulose</i> , 2012, 19, 2153-2164.	4.9	14
16	Effect of coating binder on fold cracking of coated paper. <i>Nordic Pulp and Paper Research Journal</i> , 2015, 30, 361-368.	0.7	14
17	Comparison of Effects of Sodium Chloride and Potassium Chloride on Spray Drying and Redispersion of Cellulose Nanofibrils Suspension. <i>Nanomaterials</i> , 2021, 11, 439.	4.1	14
18	Adsorption and viscoelastic properties of cationic xylan on cellulose film using QCM-D. <i>Cellulose</i> , 2014, 21, 1251-1260.	4.9	13

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19	Preparation of surface-charged CNF aerogels and investigation of their ion adsorption properties. <i>Cellulose</i> , 2017, 24, 2895-2902.	4.9	13
20	Morphological characteristics of carboxymethylated cellulose nanofibrils: the effect of carboxyl content. <i>Cellulose</i> , 2018, 25, 5781-5789.	4.9	13
21	Linear and nonlinear oscillatory rheology of chemically pretreated and non-pretreated cellulose nanofiber suspensions. <i>Carbohydrate Polymers</i> , 2022, 275, 118765.	10.2	11
22	Structural characteristics of nanofibrillated cellulose mats: Effect of preparation conditions. <i>Fibers and Polymers</i> , 2015, 16, 294-301.	2.1	10
23	Structural properties of cellulose nanofibril foam depending on wet foaming conditions in Pickering stabilization. <i>Cellulose</i> , 2021, 28, 10291-10304.	4.9	8
24	Characteristics of Cellulose Nanofibrils by Carboxymethylation Pretreatment : Effect of the Carboxyl Contents. <i>Palpu Chongi Gisol/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2016, 48, 195.	0.4	7
25	Preparation of Hydrophobized Cellulose Nanofibril Film with High Strength Using AKD. <i>Palpu Chongi Gisol/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2018, 50, 34-41.	0.4	7
26	Strengthening effect of polyelectrolyte multilayers on highly filled paper. <i>Nordic Pulp and Paper Research Journal</i> , 2018, 33, 113-121.	0.7	5
27	Recycling of isopropanol for cost-effective, environmentally friendly production of carboxymethylated cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2019, 208, 365-371.	10.2	5
28	Impregnation of paper with cellulose nanofibrils and polyvinyl alcohol to enhance durability. <i>Nordic Pulp and Paper Research Journal</i> , 2020, 35, 106-114.	0.7	5
29	A waterproof cellulose nanofibril sheet prepared by the deposition of an alkyl ketene dimer on a controlled porous structure. <i>Cellulose</i> , 2022, 29, 6645-6657.	4.9	5
30	Incorporation of CNF with Different Charge Property into PVP Hydrogel and Its Characteristics. <i>Nanomaterials</i> , 2021, 11, 426.	4.1	4
31	Effects of Fractionation and Mechanical Treatments of Korean OCC on Paper Properties. <i>Nordic Pulp and Paper Research Journal</i> , 2017, 32, 148-154.	0.7	4
32	Effect of salt concentration in polyelectrolyte multilayering on properties of modified GCC and filled paper. <i>Nordic Pulp and Paper Research Journal</i> , 2017, 32, 309-316.	0.7	4
33	A comparative study of the nonlinear rheological properties of three different cellulose nanofibril suspensions. <i>Physics of Fluids</i> , 2022, 34, .	4.0	4
34	Polyelectrolyte multilayering of fibers with different polymer combinations and a comparison of its effect on paper strength with a conventional dry strength agent treatment. <i>Nordic Pulp and Paper Research Journal</i> , 2012, 27, 915-922.	0.7	3
35	UV/Vis Spectrometry-Based Analysis of Alkyl Ketene Dimer (AKD) Retention to Solve the Waxy Spot Problem in the Papermaking Process. <i>ACS Omega</i> , 2020, 5, 11227-11234.	3.5	3
36	Penetration control of surface sizing starch using cationic PAM and its effect on the bending stiffness of paper. <i>BioResources</i> , 2020, 15, 5489-5502.	1.0	3

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37	Evaluation of the flocculation phenomena of GCC by polymeric retention systems. Nordic Pulp and Paper Research Journal, 2014, 29, 418-424.	0.7	2
38	Analysis of Spotty Deposits on Fine Paper and Investigation of Key Factors Affecting Alkyl Ketene Dimer Spot Formation. ACS Omega, 2020, 5, 15529-15536.	3.5	2
39	Influence of pigment and binder composition on the dynamic water penetration and dried structure of precoating layers for double-coated paper. Journal of Coatings Technology Research, 0, , 1.	2.5	1