

Araz Rajabi-Abhari

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

563
citations

933447

10
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

524
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-Responsive MXene-Based Actuators. <i>Advanced Functional Materials</i> , 2020, 30, 1909504.	14.9	126
2	Skin-attachable and biofriendly chitosan-diatom triboelectric nanogenerator. <i>Nano Energy</i> , 2020, 75, 104904.	16.0	105
3	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
4	Optimization of carboxymethylation reaction as a pretreatment for production of cellulose nanofibrils. <i>Cellulose</i> , 2018, 25, 3873-3883.	4.9	51
5	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
6	Long-Lasting and Steady Triboelectric Energy Harvesting from Low-Frequency Irregular Motions Using Escapement Mechanism. <i>Advanced Energy Materials</i> , 2021, 11, 2002929.	19.5	27
7	Role of Cellulose Nanofibrils in Structure Formation of Pigment Coating Layers. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9569-9577.	3.7	25
8	Facile fabrication of hydrophobic cellulosic paper with good barrier properties via PVA/AKD dispersion coating. <i>Nordic Pulp and Paper Research Journal</i> , 2019, 34, 516-524.	0.7	20
9	Electrochemical activity of Samarium on starch-derived porous carbon: rechargeable Li- and Al-ion batteries. <i>Nano Convergence</i> , 2020, 7, 11.	12.1	16
10	Morphological characteristics of carboxymethylated cellulose nanofibrils: the effect of carboxyl content. <i>Cellulose</i> , 2018, 25, 5781-5789.	4.9	13
11	Antagonistically Functionalized Diatom Biosilica for Bio-Triboelectric Generators. <i>Small</i> , 2022, 18, e2107638.	10.0	11
12	Electro-Active and Photo-Active Vanadium Oxide Nanowire Thermo-Hygroscopic Actuators for Kirigami Pop-Up. <i>Advanced Science</i> , 2021, 8, e2102064.	11.2	10
13	Mutually exclusive ytterbium and nitrogen co-doping of mesoporous titania-carbon for self-cleanable and sustainable triboelectric nanogenerators. <i>Nano Energy</i> , 2021, 90, 106615.	16.0	10
14	Characterization of Paper Coating Structure Using FIB and FE-SEM. 1. New Method for Image Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4237-4244.	3.7	9
15	Stress Development in a Cellulose-Nanofibril-Containing Pigment Coating Layer during Drying. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18187-18196.	3.7	9
16	The Effect of a Polymer-Stabilized Latex Cobinder on the Optical and Strength Properties of Pigment Coating Layers. <i>Polymers</i> , 2021, 13, 568.	4.5	6
17	Effect of core-shell structure latex on pigment coating properties. <i>BioResources</i> , 2019, 14, 1241-1251.	1.0	6
18	Recycling of isopropanol for cost-effective, environmentally friendly production of carboxymethylated cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2019, 208, 365-371.	10.2	5

#	ARTICLE	IF	CITATIONS
19	Development and Application of Nanosized Polymer-Stabilized Cobinders and Their Effect on the Viscoelastic Properties and Foaming Tendencies of Coating Colors. ACS Omega, 2020, 5, 9291-9300.	3.5	3
20	Suspension-polymerized Latex as an Additive for Surface Sizing and Its Effect on Fold Cracking of Coated Paper. BioResources, 2018, 13, .	1.0	3
21	Dextrin-Poly(acrylic acid) Copolymer as an Additive for Surface Sizing with Oxidized Starch. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2017, 49, 5-12.	0.4	1
22	A Study on the Quantitative Evaluation Method of Fold Cracking of Coated Paper. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2017, 49, 20-27.	0.4	1
23	Dextrin-Poly(acrylic acid) Copolymer as an Additive for Surface Sizing with Oxidized Starch (â...j). Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2017, 49, 13-22.	0.4	0
24	Characteristics of Suspension-Polymerized Latex and its Effect on Coated Paper Properties. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2018, 50, 149-155.	0.4	0