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	Antagonistically Functionalized Diatom Biosilica for Bioâ€Triboelectric Generators. Small, 2022, 18, e2107638.	10.0	11
2	Longâ€Lasting and Steady Triboelectric Energy Harvesting from Lowâ€Frequency Irregular Motions Using Escapement Mechanism. Advanced Energy Materials, 2021, 11, 2002929.	19.5	27
3	The Effect of a Polymer-Stabilized Latex Cobinder on the Optical and Strength Properties of Pigment Coating Layers. Polymers, 2021, 13, 568.	4.5	6
4	Improving the Barrier Properties of Packaging Paper by Polyvinyl Alcohol Based Polymer Coatingâ€"Effect of the Base Paper and Nanoclay. Polymers, 2021, 13, 1334.	4.5	38
5	Diatom Bio-Silica and Cellulose Nanofibril for Bio-Triboelectric Nanogenerators and Self-Powered Breath Monitoring Masks. ACS Applied Materials & Interfaces, 2021, 13, 219-232.	8.0	68
6	Electroâ€Active and Photoâ€Active Vanadium Oxide Nanowire Thermoâ€Hygroscopic Actuators for Kirigami Popâ€up. Advanced Science, 2021, 8, e2102064.	11.2	10
7	Mutually exclusive ytterbium and nitrogen co-doping of mesoporous titania-carbon for self-cleanable and sustainable triboelectric nanogenerators. Nano Energy, 2021, 90, 106615.	16.0	10
8	Skin-attachable and biofriendly chitosan-diatom triboelectric nanogenerator. Nano Energy, 2020, 75, 104904.	16.0	105
9	Electrochemical activity of Samarium on starch-derived porous carbon: rechargeable Li- and Al-ion batteries. Nano Convergence, 2020, 7, 11.	12.1	16
10	Stimuliâ€Responsive MXeneâ€Based Actuators. Advanced Functional Materials, 2020, 30, 1909504.	14.9	126
11	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
12	Stress Development in a Cellulose-Nanofibril-Containing Pigment Coating Layer during Drying. Industrial & Engineering Chemistry Research, 2019, 58, 18187-18196.	3.7	9
13	Facile fabrication of hydrophobic cellulosic paper with good barrier properties via PVA/AKD dispersion coating. Nordic Pulp and Paper Research Journal, 2019, 34, 516-524.	0.7	20
14	Recycling of isopropanol for cost-effective, environmentally friendly production of carboxymethylated cellulose nanofibrils. Carbohydrate Polymers, 2019, 208, 365-371.	10.2	5
15	Effect of core-shell structure latex on pigment coating properties. BioResources, 2019, 14, 1241-1251.	1.0	6
16	Characterization of Paper Coating Structure Using FIB and FE-SEM. 1. New Method for Image Analysis. Industrial & Engineering Chemistry Research, 2018, 57, 4237-4244.	3.7	9
17	Optimization of carboxymethylation reaction as a pretreatment for production of cellulose nanofibrils. Cellulose, 2018, 25, 3873-3883.	4.9	51
18	Morphological characteristics of carboxymethylated cellulose nanofibrils: the effect of carboxyl content. Cellulose, 2018, 25, 5781-5789.	4.9	13

#	Article	IF	Citations
19	Suspension-polymerized Latex as an Additive for Surface Sizing and Its Effect on Fold Cracking of Coated Paper. BioResources, 2018, 13, .	1.0	3
20	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
21	Role of Cellulose Nanofibrils in Structure Formation of Pigment Coating Layers. Industrial & Engineering Chemistry Research, 2017, 56, 9569-9577.	3.7	25
22	Dextrin-Poly(acrylic acid) Copolymer as an Additive for Surface Sizing with Oxidized Starch (â…¡). Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2017, 49, 13-22.	0.4	0
23	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
24	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