

Jaewoong Lee

List of Publications by Year in descending order

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34
papers

844
citations

623699

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501174

28
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34
all docs

34
docs citations

34
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial cotton fibers treated with silver nanoparticles and quaternary ammonium salts. <i>Carbohydrate Polymers</i> , 2016, 151, 1012-1018.	10.2	98
2	Novel synergistic transparent κ -Carrageenan/Xanthan gum/Gellan gum hydrogel film: Mechanical, thermal and water barrier properties. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 561-568.	7.5	94
3	Binary and ternary sustainable composites of gellan gum, hydroxyethyl cellulose and lignin for food packaging applications: Biocompatibility, antioxidant activity, UV and water barrier properties. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 55-62.	7.5	93
4	Effect of TiO ₂ on highly elastic, stretchable UV protective nanocomposite films formed by using a combination of κ -Carrageenan, xanthan gum and gellan gum. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 1020-1027.	7.5	81
5	Blends of gellan gum/xanthan gum/zinc oxide based nanocomposites for packaging application: Rheological and antimicrobial properties. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 1182-1189.	7.5	64
6	Rheological, morphological, mechanical, and water-barrier properties of agar/gellan gum/montmorillonite clay composite films. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 538-544.	7.5	55
7	Properties and antimicrobial efficacy of cellulose fiber coated with silver nanoparticles and 3-mercaptopropyltrimethoxysilane (3-MPTMS). <i>Journal of Applied Polymer Science</i> , 2011, 119, 2261-2267.	2.6	50
8	Effects of polymer properties on jetting performance of electrohydrodynamic printing. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45044.	2.6	28
9	Flexible Ternary Combination of Gellan Gum, Sodium Carboxymethyl Cellulose, and Silicon Dioxide Nanocomposites Fabricated by Quaternary Ammonium Silane: Rheological, Thermal, and Antimicrobial Properties. <i>ACS Omega</i> , 2020, 5, 28767-28775.	3.5	27
10	Optimization of electrohydrodynamic-printed organic electrodes for bottom-contact organic thin film transistors. <i>Organic Electronics</i> , 2016, 38, 48-54.	2.6	23
11	Rheological and anti-microbial study of silica and silver nanoparticles-reinforced κ -carrageenan/hydroxyethyl cellulose composites for food packaging applications. <i>Cellulose</i> , 2021, 28, 5577-5590.	4.9	21
12	Barrier, rheological, and antimicrobial properties of sustainable nanocomposites based on gellan gum/polyacrylamide/zinc oxide. <i>Polymer Engineering and Science</i> , 2021, 61, 2477-2486.	3.1	17
13	Enhanced solvent resistance and electrical performance of electrohydrodynamic jet printed PEDOT:PSS composite patterns: effects of hardeners on the performance of organic thin-film transistors. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25690-25699.	2.8	16
14	The Deformation of Polydimethylsiloxane (PDMS) Microfluidic Channels Filled with Embedded Circular Obstacles under Certain Circumstances. <i>Molecules</i> , 2016, 21, 798.	3.8	14
15	Organic thin-film transistors with sub-10-micrometer channel length with printed polymer/carbon nanotube electrodes. <i>Organic Electronics</i> , 2018, 52, 165-171.	2.6	14
16	Fabrication of regenerated cellulose nanoparticles/waterborne polyurethane nanocomposites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46633.	2.6	14
17	Quaternary ammonium silane-reinforced agar/polyacrylamide composites for packaging applications. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1301-1309.	7.5	14
18	Effective surface attachment of Ag nanoparticles on fibers using glycidyltrimethylammonium chloride and improvement of antimicrobial properties. <i>RSC Advances</i> , 2017, 7, 23407-23414.	3.6	12

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19	Physical Properties of PDMS (Polydimethylsiloxane) Microfluidic Devices on Fluid Behaviors: Various Diameters and Shapes of Periodically-Embedded Microstructures. <i>Materials</i> , 2016, 9, 836.	2.9	11
20	Biocompatible agar/xanthan gum composite films: Thermal, mechanical, UV, and water barrier properties. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2750-2758.	3.2	11
21	Development of Synergistic Antimicrobial Coating of p-Aramid Fibers Using Ag Nanoparticles and Glycidyltrimethylammonium Chloride (GTAC) without the Aid of a Cross-Linking Agent. <i>Polymers</i> , 2017, 9, 357.	4.5	10
22	Modal Damping Coefficient Estimation of Carbon-Fiber-Reinforced Plastic Material Considering Temperature Condition. <i>Materials</i> , 2020, 13, 2872.	2.9	10
23	Cellulose-Pulp-Based Stretchable Composite Film with Hydroxyethyl Cellulose and Turmeric Powder for Packaging Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13653-13662.	6.7	10
24	Montmorillonite clay and quaternary ammonium silane-reinforced pullulan/agar-based nanocomposites and their properties for packaging applications. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 956-963.	7.5	10
25	Synthesis and properties of polytriazoleimide containing anthracene, pyridine and 1, 2, 3-triazole groups and their nanocomposites with titanium dioxide. <i>Polymer Engineering and Science</i> , 2019, 59, 129-138.	3.1	8
26	Water disinfection activity of cellulose filters treated with polycarboxylic acid and aromatic amine. <i>Cellulose</i> , 2014, 21, 4511-4518.	4.9	7
27	Structural and physico-chemical properties change of polyethylene terephthalate (PET) fibers after supercritical fluid dyeing with C.I. disperse red 167. <i>Journal of Supercritical Fluids</i> , 2021, 170, 105131.	3.2	7
28	Highly Chlorinated Polyvinyl Chloride as a Novel Precursor for Fibrous Carbon Material. <i>Polymers</i> , 2020, 12, 328.	4.5	6
29	Strong and sustainable chemical bonding of TiO ₂ on nylon surface using 3-mercaptopropyltrimethoxysilane (3-MPTMS): analysis of antimicrobial and decomposition characteristics of contaminants. <i>Journal of Coatings Technology Research</i> , 2019, 16, 1399-1409.	2.5	5
30	Antibacterial Coating of Glass Fiber Filters with Silver Nanoparticles (AgNPs) and Glycidyltrimethylammonium Chloride (GTAC). <i>Fibers and Polymers</i> , 2018, 19, 2080-2087.	2.1	4
31	In Vitro Studies on a Microfluidic Sensor with Embedded Obstacles Using New Antibacterial Synthetic Compounds (1-TDPPPO) Mixed Prop-2-en-1-one with Difluoro Phenyl. <i>Sensors</i> , 2017, 17, 803.	3.8	3
32	Synthesis and characterization of alkyl chain containing polytriazoleimide/reduced graphene oxide nanocomposites. <i>Polymer Composites</i> , 2018, 39, 4425-4433.	4.6	3
33	Properties of Cellulose Pulp and Polyurethane Composite Films Fabricated with Curcumin by Using NMMO Ionic Liquid. <i>Gels</i> , 2022, 8, 248.	4.5	3
34	Flexible and compatible polymer composite blends based on polyurethane/sodium ionomer/lignin and their properties. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48885.	2.6	1