

Chun-Rui Han

List of Publications by Year in descending order

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papers

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citations

623188

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1503
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#	ARTICLE	IF	CITATIONS
1	Mimicking Dynamic Adhesiveness and Strain-Stiffening Behavior of Biological Tissues in Tough and Self-Healable Cellulose Nanocomposite Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5885-5895.	4.0	171
2	Studies on the properties and formation mechanism of flexible nanocomposite hydrogels from cellulose nanocrystals and poly(acrylic acid). <i>Journal of Materials Chemistry</i> , 2012, 22, 22467.	6.7	138
3	Synthesis and characterization of mechanically flexible and tough cellulose nanocrystals-polyacrylamide nanocomposite hydrogels. <i>Cellulose</i> , 2013, 20, 227-237.	2.4	128
4	Metal Ion Mediated Cellulose Nanofibrils Transient Network in Covalently Cross-linked Hydrogels: Mechanistic Insight into Morphology and Dynamics. <i>Biomacromolecules</i> , 2017, 18, 1019-1028.	2.6	86
5	Mechanically Viscoelastic Properties of Cellulose Nanocrystals Skeleton Reinforced Hierarchical Composite Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25621-25630.	4.0	71
6	Synthetic and viscoelastic behaviors of silicananoparticle reinforced poly(acrylamide) core-shell nanocomposite hydrogels. <i>Soft Matter</i> , 2013, 9, 1220-1230.	1.2	68
7	Dynamics of Silica-Nanoparticle-Filled Hybrid Hydrogels: Nonlinear Viscoelastic Behavior and Chain Entanglement Network. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20236-20243.	1.5	50
8	Extraction and antioxidant activity of total triterpenoids in the mycelium of a medicinal fungus, <i>Sanghuangporus sanghuang</i> . <i>Scientific Reports</i> , 2019, 9, 7418.	1.6	44
9	Tough nanocomposite hydrogels from cellulose nanocrystals/poly(acrylamide) clusters: influence of the charge density, aspect ratio and surface coating with PEG. <i>Cellulose</i> , 2014, 21, 541-551.	2.4	37
10	Soy meal adhesive with high strength and water resistance via carboxymethylated wood fiber-induced crosslinking. <i>Cellulose</i> , 2021, 28, 3569-3584.	2.4	32
11	Self-assembled structures and excellent surface properties of a novel anionic phosphate diester surfactant derived from natural rosin acids. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 67-74.	5.0	22
12	Design of diversified self-assembly systems based on a natural rosin-based tertiary amine for doxorubicin delivery and excellent emulsification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 191-198.	2.5	20
13	Binding Cellulose and Chitosan via Intermolecular Inclusion Interaction: Synthesis and Characterisation of Gel. <i>Journal of Spectroscopy</i> , 2015, 2015, 1-6.	0.6	18
14	The Synthesis of a Novel Cellulose Physical Gel. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	1.5	17
15	A simple fabrication of superhydrophobic wood surface by natural rosin based compound via impregnation at room temperature. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 1417-1425.	1.3	11
16	Preparation and characterization of Y2O3 hollow spheres. <i>Journal of Materials Science</i> , 2006, 41, 3679-3682.	1.7	8
17	A Novel Bola-type Rosin-Based Functional Surfactant and Its Synergistic Effect with Natural Surfactant Saponin. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1205-1212.	1.0	7
18	Molecular Design, Supramolecular Assembly, and Excellent Dye Adsorption Capacity of Natural Rigid Dehydroabietic Acid-Tailored Amide Organogelators. <i>Langmuir</i> , 2022, 38, 8918-8927.	1.6	7

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19	Controlled Synthesis of Hydroxyapatite Using a Novel Natural Rosin-Based Surfactant. <i>Nano</i> , 2017, 12, 1750098.	0.5	6
20	Controlled hydrothermal synthesis of ball-flower Ni(OH) ₂ /NiOOH composites assisted by rosin-based betaine zwitterionic surfactant. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8040-8046.	1.1	5
21	Preparation of wood with better water-resistance properties by a one-step impregnation of maleic rosin. <i>Journal of Adhesion Science and Technology</i> , 2018, 32, 2381-2393.	1.4	5
22	Preparation and drug-delivery study of functionalized hydroxyapatite based on natural polysaccharide gums with excellent drug-loading properties. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 751-759.	1.3	5
23	Surface properties and doxorubicin delivery in mixed systems comprising a natural rosin-based ester tertiary amine and an anionic surfactant. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 892-900.	1.3	2
24	Preparation of cellulose copolymer grafted polylactide(PLA) by the microwave method. , 2012, , .		1