Chun-Rui Han

List of Publications by Year
in descending order

24	959	623188 14	642321 23
papers	citations	h-index	g-index

24	24	24	1503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Design, Supramolecular Assembly, and Excellent Dye Adsorption Capacity of Natural Rigid Dehydroabietic Acid-Tailored Amide Organogelators. Langmuir, 2022, 38, 8918-8927.	1.6	7
2	Preparation and drug-delivery study of functionalized hydroxyapatite based on natural polysaccharide gums with excellent drug-loading properties. Journal of Dispersion Science and Technology, 2021, 42, 751-759.	1.3	5
3	Soy meal adhesive with high strength and water resistance via carboxymethylated wood fiber-induced crosslinking. Cellulose, 2021, 28, 3569-3584.	2.4	32
4	Extraction and antioxidant activity of total triterpenoids in the mycelium of a medicinal fungus, Sanghuangporus sanghuang. Scientific Reports, 2019, 9, 7418.	1.6	44
5	Mimicking Dynamic Adhesiveness and Strain-Stiffening Behavior of Biological Tissues in Tough and Self-Healable Cellulose Nanocomposite Hydrogels. ACS Applied Materials & Interfaces, 2019, 11, 5885-5895.	4.0	171
6	Surface properties and doxorubicin delivery in mixed systems comprising a natural rosin-based ester tertiary amine and an anionic surfactant. Journal of Dispersion Science and Technology, 2019, 40, 892-900.	1.3	2
7	Design of diversified self-assembly systems based on a natural rosin-based tertiary amine for doxorubicin delivery and excellent emulsification. Colloids and Surfaces B: Biointerfaces, 2018, 165, 191-198.	2.5	20
8	Preparation of wood with better water-resistance properties by a one-step impregnation of maleic rosin. Journal of Adhesion Science and Technology, 2018, 32, 2381-2393.	1.4	5
9	A simple fabrication of superhydrophobic wood surface by natural rosin based compound via impregnation at room temperature. European Journal of Wood and Wood Products, 2018, 76, 1417-1425.	1.3	11
10	Metal Ion Mediated Cellulose Nanofibrils Transient Network in Covalently Cross-linked Hydrogels: Mechanistic Insight into Morphology and Dynamics. Biomacromolecules, 2017, 18, 1019-1028.	2.6	86
11	Controlled Synthesis of Hydroxyapatite Using a Novel Natural Rosin-Based Surfactant. Nano, 2017, 12, 1750098.	0.5	6
12	A Novel Bolaâ€Type Rosinâ€Based Functional Surfactant and Its Synergistic Effect with Natural Surfactant Saponin. Journal of Surfactants and Detergents, 2017, 20, 1205-1212.	1.0	7
13	Self-assembled structures and excellent surface properties of a novel anionic phosphate diester surfactant derived from natural rosin acids. Journal of Colloid and Interface Science, 2017, 486, 67-74.	5.0	22
14	Mechanically Viscoelastic Properties of Cellulose Nanocrystals Skeleton Reinforced Hierarchical Composite Hydrogels. ACS Applied Materials & Interfaces, 2016, 8, 25621-25630.	4.0	71
15	Binding Cellulose and Chitosan via Intermolecular Inclusion Interaction: Synthesis and Characterisation of Gel. Journal of Spectroscopy, 2015, 2015, 1-6.	0.6	18
16	Controlled hydrothermal synthesis of ball-flower Ni(OH)2/NiOOH composites assisted by rosin-based betaine zwitterionic surfactant. Journal of Materials Science: Materials in Electronics, 2015, 26, 8040-8046.	1.1	5
17	The Synthesis of a Novel Cellulose Physical Gel. Journal of Nanomaterials, 2014, 2014, 1-7.	1.5	17
18	Tough nanocomposite hydrogels from cellulose nanocrystals/poly(acrylamide) clusters: influence of the charge density, aspect ratio and surface coating with PEG. Cellulose, 2014, 21, 541-551.	2.4	37

#	Article	IF	Citations
19	Dynamics of Silica-Nanoparticle-Filled Hybrid Hydrogels: Nonlinear Viscoelastic Behavior and Chain Entanglement Network. Journal of Physical Chemistry C, 2013, 117, 20236-20243.	1.5	50
20	Synthesis and characterization of mechanically flexible and tough cellulose nanocrystalsâ€“polyacrylamide nanocomposite hydrogels. Cellulose, 2013, 20, 227-237.	2.4	128
21	Synthetic and viscoelastic behaviors of silicananoparticle reinforced poly(acrylamide) coreâ€“shell nanocomposite hydrogels. Soft Matter, 2013, 9, 1220-1230.	1.2	68
22	Preparation of cellulose copolymer grafted polylactide(PLA) by the microwave method. , 2012, , .		1
23	Studies on the properties and formation mechanism of flexible nanocomposite hydrogels from cellulose nanocrystals and poly(acrylic acid). Journal of Materials Chemistry, 2012, 22, 22467.	6.7	138
24	Preparation and characterization of Y2O3 hollow spheres. Journal of Materials Science, 2006, 41, 3679-3682.	1.7	8