

# Siqi Huan

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,832  
citations

172457

29  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pickering emulsions by combining cellulose nanofibrils and nanocrystals: phase behavior and depletion stabilization. <i>Green Chemistry</i> , 2018, 20, 1571-1582.	9.0	243
2	Comparison of emulsifying properties of food-grade polysaccharides in oil-in-water emulsions: Gum arabic, beet pectin, and corn fiber gum. <i>Food Hydrocolloids</i> , 2017, 66, 144-153.	10.7	225
3	Effect of Experimental Parameters on Morphological, Mechanical and Hydrophobic Properties of Electrospun Polystyrene Fibers. <i>Materials</i> , 2015, 8, 2718-2734.	2.9	224
4	Fabrication of oil-in-water nanoemulsions by dual-channel microfluidization using natural emulsifiers: Saponins, phospholipids, proteins, and polysaccharides. <i>Food Hydrocolloids</i> , 2016, 61, 703-711.	10.7	223
5	Oil-in-water Pickering emulsions via microfluidization with cellulose nanocrystals: 1. Formation and stability. <i>Food Hydrocolloids</i> , 2019, 96, 699-708.	10.7	190
6	Adsorption and Assembly of Cellulosic and Lignin Colloids at Oil/Water Interfaces. <i>Langmuir</i> , 2019, 35, 571-588.	3.5	120
7	High Internal Phase Oil-in-Water Pickering Emulsions Stabilized by Chitin Nanofibrils: 3D Structuring and Solid Foam. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11240-11251.	8.0	118
8	Formulation and Stabilization of Concentrated Edible Oil-in-Water Emulsions Based on Electrostatic Complexes of a Food-Grade Cationic Surfactant (Ethyl Lauroyl Arginate) and Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2018, 19, 1674-1685.	5.4	103
9	Nanochitin: Chemistry, Structure, Assembly, and Applications. <i>Chemical Reviews</i> , 2022, 122, 11604-11674.	47.7	102
10	Impact of polysaccharide molecular characteristics on viscosity enhancement and depletion flocculation. <i>Journal of Food Engineering</i> , 2017, 207, 35-45.	5.2	97
11	Self-Assembled Networks of Short and Long Chitin Nanoparticles for Oil/Water Interfacial Superstabilization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6497-6511.	6.7	97
12	Oil-in-water Pickering emulsions via microfluidization with cellulose nanocrystals: 2. In vitro lipid digestion. <i>Food Hydrocolloids</i> , 2019, 96, 709-716.	10.7	89
13	Acetylated Nanocellulose for Single-Component Biopinks and Cell Proliferation on 3D-Printed Scaffolds. <i>Biomacromolecules</i> , 2019, 20, 2770-2778.	5.4	81
14	Electrospun Poly(lactic acid)-Based Fibrous Nanocomposite Reinforced by Cellulose Nanocrystals: Impact of Fiber Uniaxial Alignment on Microstructure and Mechanical Properties. <i>Biomacromolecules</i> , 2018, 19, 1037-1046.	5.4	79
15	Three-Dimensional Printed Cell Culture Model Based on Spherical Colloidal Lignin Particles and Cellulose Nanofibril-Alginate Hydrogel. <i>Biomacromolecules</i> , 2020, 21, 1875-1885.	5.4	75
16	Recent Innovations in Emulsion Science and Technology for Food Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 8944-8963.	5.2	73
17	Low Solids Emulsion Gels Based on Nanocellulose for 3D-Printing. <i>Biomacromolecules</i> , 2019, 20, 635-644.	5.4	68
18	Manufacture of electrospun all-aqueous poly(vinyl alcohol)/cellulose nanocrystal composite nanofibrous mats with enhanced properties through controlling fibers arrangement and microstructure. <i>Polymer</i> , 2016, 92, 25-35.	3.8	63

#	ARTICLE	IF	CITATIONS
19	Two-Phase Emulgels for Direct Ink Writing of Skin-Bearing Architectures. <i>Advanced Functional Materials</i> , 2019, 29, 1902990.	14.9	60
20	Multifunctional 3D-Printed Patches for Long-Term Drug Release Therapies after Myocardial Infarction. <i>Advanced Functional Materials</i> , 2020, 30, 2003440.	14.9	53
21	Electrospun nanofibrous composites of polystyrene and cellulose nanocrystals: manufacture and characterization. <i>RSC Advances</i> , 2015, 5, 50756-50766.	3.6	51
22	Formulation and Composition Effects in Phase Transitions of Emulsions Costabilized by Cellulose Nanofibrils and an Ionic Surfactant. <i>Biomacromolecules</i> , 2017, 18, 4393-4404.	5.4	44
23	All-Aqueous Liquid Crystal Nanocellulose Emulsions with Permeable Interfacial Assembly. <i>ACS Nano</i> , 2020, 14, 13380-13390.	14.6	41
24	Recent Advances in Food Emulsions and Engineering Foodstuffs Using Plant-Based Nanocelluloses. <i>Annual Review of Food Science and Technology</i> , 2021, 12, 383-406.	9.9	41
25	Effect of Acid Hydrolysis Conditions on the Properties of Cellulose Nanoparticle-Reinforced Polymethylmethacrylate Composites. <i>Materials</i> , 2014, 7, 16-29.	2.9	39
26	Electrospun cellulose nanocrystals/poly(methyl methacrylate) composite nanofibers: Morphology, thermal and mechanical properties. <i>Carbohydrate Polymers</i> , 2019, 206, 29-37.	10.2	38
27	Recent development in food emulsion stabilized by plant-based cellulose nanoparticles. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 56, 101512.	7.4	38
28	Pickering Emulsions <i>via</i> Interfacial Nanoparticle Complexation of Oppositely Charged Nanopolysaccharides. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 12581-12593.	8.0	37
29	Chirality from Cryo-Electron Tomograms of Nanocrystals Obtained by Lateral Disassembly and Surface Etching of Never-Dried Chitin. <i>ACS Nano</i> , 2020, 14, 6921-6930.	14.6	30
30	Aqueous poly(vinyl acetate)-based core/shell emulsion: synthesis, morphology, properties and application. <i>RSC Advances</i> , 2014, 4, 27363.	3.6	21
31	Nanostructured superior oil-adsorbent nanofiber composites using one-step electrospinning of polyvinylidene fluoride/nanocellulose. <i>Composites Science and Technology</i> , 2022, 224, 109490.	7.8	20
32	Depletion Effects and Stabilization of Pickering Emulsions Prepared from a Dual Nanocellulose System. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9066-9076.	6.7	17
33	Electrospun hierarchically channeled polyacrylonitrile nanofibrous membrane for wastewater recovery. <i>Journal of Cleaner Production</i> , 2022, 361, 132167.	9.3	16
34	The variation of tangential rheological properties caused by shrinkage anisotropy and moisture content gradient in white birch disks. <i>Holzforschung</i> , 2015, 69, 573-579.	1.9	9
35	Rational design and synthesis of transition layer-mediated structured latex particles with poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlaid	2.1	7