Juan Yu

List of Publications by Citations

47 papers	866 citations	18 h-index	28 g-index
53 ext. papers	1,150 ext. citations	6.8 avg, IF	4.71 L-index

#	Paper	IF	Citations
47	UV-absorbent lignin-based multi-arm star thermoplastic elastomers. *Macromolecular Rapid Communications*, **2015**, 36, 398-404	4.8	75
46	Robust Self-Standing Chitin Nanofiber/Nanowhisker Hydrogels with Designed Surface Charges and Ultralow Mass Content via Gas Phase Coagulation. *Biomacromolecules*, **2016**, 17, 3773-3781	6.9	72
45	Integration of renewable cellulose and rosin towards sustainable copolymers by "grafting from" ATRP. *Green Chemistry*, **2014**, 16, 1854	10	65
44	High-purity lignin isolated from poplar wood meal through dissolving treatment with deep eutectic solvents. *Royal Society Open Science*, **2019**, 6, 181757	3.3	43
43	High Axial Ratio Nanochitins for Ultrastrong and Shape-Recoverable Hydrogels and Cryogels via Ice Templating. *ACS Nano*, **2019**, 13, 2927-2935	16.7	41
42	Preparation of High-Strength Sustainable Lignocellulose Gels and Their Applications for Antiultraviolet Weathering and Dye Removal. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2998-3009	8.3	41
41	Chitin nanocrystals prepared by oxidation of α-chitin using the O/laccase/TEMPO system. *Carbohydrate Polymers*, **2018**, 189, 178-183	10.3	37
40	Metal-free ATRP "grafting from" technique for renewable cellulose graft copolymers. *Green Chemistry*, **2019**, 21, 2759-2770	10	35
39	Fabrication of UV-absorbent cellulose-rosin based thermoplastic elastomer via "graft from" ATRP. *Carbohydrate Polymers*, **2018**, 188, 128-135	10.3	32
38	Dissolution of Lignocelluloses with a High Lignin Content in a N-Methylmorpholine-N-oxide Monohydrate Solvent System via Simple Glycerol-Swelling and Mechanical Pretreatments. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 9587-9594	5.7	30
37	Contribution of hemicellulose to cellulose nanofiber-based nanocomposite films with enhanced strength, flexibility and UV-blocking properties. *Cellulose*, **2019**, 26, 6023-6034	5.5	29
36	Adsorption of Reactive Blue 19 from aqueous solution by chitin nanofiber-/nanowhisker-based hydrogels.. *RSC Advances*, **2018**, 8, 15804-15812	3.7	26
35	Synthesis of lignocellulose-based composite hydrogel as a novel biosorbent for Cu2+ removal. *Cellulose*, **2018**, 25, 7315-7328	5.5	26
34	Sustainable thermoplastic elastomers derived from cellulose, fatty acid and furfural via ATRP and click chemistry. *Carbohydrate Polymers*, **2017**, 176, 83-90	10.3	24
33	Two-Step 3 D-Printing Approach toward Sustainable, Repairable, Fluorescent Shape-Memory Thermosets Derived from Cellulose and Rosin. *ChemSusChem*, **2020**, 13, 893-902	8.3	24
32	Preparation of nanocellulose/filter paper (NC/FP) composite membranes for high-performance filtration. *Cellulose*, **2019**, 26, 1183-1194	5.5	24
31	Contribution of lignin to the microstructure and physical performance of three-dimensional lignocellulose hydrogels. *Cellulose*, **2019**, 26, 2375-2388	5.5	24

30	Preparation and Hydrogel Properties of pH-Sensitive Amphoteric Chitin Nanocrystals. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 11372-11379	5.7	19
29	Preparation of natural amphoteric silk nanofibers by acid hydrolysis. *Journal of Materials Chemistry B*, **2019**, 7, 1450-1459	7.3	17
28	Comparison of cast films and hydrogels based on chitin nanofibers prepared using TEMPO/NaBr/NaClO and TEMPO/NaClO/NaClO systems. *Carbohydrate Polymers*, **2020**, 237, 116125	10.3	16
27	Investigation of Pretreatment Methods for Improving TEMPO-Mediated Oxidation and Nanofibrillation Efficiency of Chitin. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19463-19473	8.3	14
26	Preparation of Silk Nanowhisker-Composited Amphoteric Cellulose/Chitin Nanofiber Membranes. *Biomacromolecules*, **2020**, 21, 1625-1635	6.9	13
25	High-yield preparation of cellulose nanofiber by small quantity acid assisted milling in glycerol. *Cellulose*, **2019**, 26, 3735-3745	5.5	12
24	An optimized preparation of nanofiber hydrogels derived from natural carbohydrate polymers and their drug release capacity under different pH surroundings. *Carbohydrate Polymers*, **2021**, 265, 118008	10.3	12
23	DDA (degree of deacetylation) and pH-dependent antibacterial properties of chitin nanofibers against Escherichia coli. *Cellulose*, **2019**, 26, 2279-2290	5.5	11
22	Preparation of Natural Multicompatible Silk Nanofibers by Green Deep Eutectic Solvent Treatment. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 4499-4510	8.3	11
21	Influence of Chemical and Enzymatic TEMPO-Mediated Oxidation on Chemical Structure and Nanofibrillation of Lignocellulose. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 14198-14206	8.3	10
20	Facile and sustainable etherification of ethyl cellulose towards excellent UV blocking and fluorescence properties. *Green Chemistry*, **2021**, 23, 479-489	10	9
19	Self-assembling oxidized silk fibroin nanofibrils with controllable fractal dimensions. *Journal of Materials Chemistry B*, **2018**, 6, 4656-4664	7.3	9
18	Versatile protonic acid mediated preparation of partially deacetylated chitin nanofibers/nanowhiskers and their assembling of nano-structured hydro- and aero-gels. *Cellulose*, **2017**, 24, 5443-5454	5.5	8
17	Strengthened cellulosic gels by the chemical gelation of cellulose via crosslinking with TEOS. *Cellulose*, **2019**, 26, 9819-9829	5.5	8
16	Cellulose laurate ester aerogel as a novel absorbing material for removing pollutants from organic wastewater. *Cellulose*, **2017**, 24, 5069-5078	5.5	8
15	Hypolipidemic activities of partially deacetylated chitin nanofibers/nanowhiskers in mice. *Food and Nutrition Research*, **2018**, 62,	3.1	8
14	Fabrication of well-defined shape memory graft polymers derived from biomass: An insight into the effect of side chain architecture on shape memory properties. *Journal of Polymer Science Part A*, **2018**, 56, 1711-1720	2.5	6
13	Physical nanochitin/microemulsion composite hydrogels for hydrophobic Nile Red release under in vitro physiological conditions. *Cellulose*, **2019**, 26, 1221-1230	5.5	5

12	Visualization and improvement of the physical gelation process during gas phase coagulation through acid–base indicator staining, monitoring and optimization. *Cellulose*, **2020**, 27, 6871-6886	5.5	4
11	Oxidizing and Nano-dispersing the Natural Silk Fibers. *Nanoscale Research Letters*, **2019**, 14, 250	5	3
10	Combining Renewable Eleostearic Acid and Eugenol to Fabricate Sustainable Plasticizer and Its Effect of Plasticizing on PVC. *Journal of Polymers and the Environment*,1	4.5	2
9	Fabrication of glycerophosphate-based nanochitin hydrogels for prolonged release under in vitro physiological conditions. *Cellulose*, **2021**, 28, 4887-4897	5.5	2
8	Rate-Limited Reaction in TEMPO/Laccase/O Oxidation of Cellulose. *Macromolecular Rapid Communications*, **2021**, 42, e2000501	4.8	2
7	Synthesis and properties of rosin grafted polymers via grafting from ATRP: The role of rosin-based initiator. *Industrial Crops and Products*, **2021**, 168, 113610	5.9	2
6	One-Step Preparation of Chitin Nanofiber Dispersion in Full pH Surroundings Using Recyclable Solid Oxalic Acid and Evaluation of Redispersed Performance. *Biomacromolecules*, **2021**, 22, 4373-4382	6.9	2
5	Two-Step 3 D-Printing Approach toward Sustainable, Repairable, Fluorescent Shape-Memory Thermosets Derived from Cellulose and Rosin. *ChemSusChem*, **2020**, 13, 854	8.3	1
4	Top-down extraction of surface carboxylated-silk nanocrystals and application in hydrogel preparation. *International Journal of Biological Macromolecules*, **2021**, 174, 162-174	7.9	1
3	Rosin-derived porous microspheres with robust selective cationic dye adsorption. *Iranian Polymer Journal (English Edition)*, **2021**, 30, 1041-1052	2.3	1
2	Shape-recoverable, piezoresistive, and thermally insulated xerogels based on nanochitin-stabilized Pickering foams.. *Carbohydrate Polymers*, **2022**, 278, 118934	10.3	0
1	Synthesis of pH-Sensitive and Self-Fluorescent Polymeric Micelles Derived From Rosin and Vegetable Oils ATRP. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 753808	5.8	0