

# Yuanyuan Yu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90  
papers

989  
citations

17  
h-index

26  
g-index

96  
ext. papers

1,319  
ext. citations

4.7  
avg, IF

4.59  
L-index

#	Paper	IF	Citations
90	Fabrication of stretchable PEDOT:PSS coated cotton fabric via LBL electrostatic self-assembly and its UV protection and sensing properties. <i>Cellulose</i> , <b>2022</b> , 29, 2699	5.5	2
89	Enzymatic construction of a temperature-regulating fabric with multiple heat-transfer capabilities. <i>Cellulose</i> , <b>2022</b> , 29, 3513	5.5	0
88	Combined Cutinase and Keratinolytic Enzyme to Endow Improved Shrink-resistance to Wool Fabric. <i>Fibers and Polymers</i> , <b>2022</b> , 23, 985-992	2	1
87	Pneumoconiosis computer aided diagnosis system based on X-rays and deep learning. <i>BMC Medical Imaging</i> , <b>2021</b> , 21, 189	2.9	2
86	Sensitive Micro-Breathing Sensing and Highly-Effective Photothermal Antibacterial Bark Micro-Structural Cotton Fabric via Electrostatic Self-Assembly of MXene/HACC.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	3
85	Photoenzymatic Activity of Artificial-Natural Bienzyme Applied in Biodegradation of Methylene Blue and Accelerating Polymerization of Dopamine. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 56191-56204	9.5	2
84	Efficient Regulation of the Behaviors of Silk Fibroin Hydrogel via Enzyme-Catalyzed Coupling of Hyaluronic Acid. <i>Langmuir</i> , <b>2021</b> , 37, 478-489	4	4
83	An eco-friendly approach to low-temperature and near-neutral bleaching of cotton knitted fabrics using glycerol triacetate as an activator. <i>Cellulose</i> , <b>2021</b> , 28, 8129-8138	5.5	1
82	Separation and Enrichment of Sudan III Using Surface Modified Hollow Glass Microspheres and Colorimetric Detection. <i>Journal of AOAC INTERNATIONAL</i> , <b>2021</b> , 104, 165-171	1.7	1
81	A controlled, highly effective and sustainable approach to the surface performance improvement of wool fibers. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 322, 114952	6	2
80	Chitosan grafting via one-enzyme double catalysis: An effective approach for improving performance of wool. <i>Carbohydrate Polymers</i> , <b>2021</b> , 252, 117157	10.3	9
79	Thermo-responsive cotton fabric prepared by enzyme-initiated graft from polymerization for moisture/thermal management. <i>Cellulose</i> , <b>2021</b> , 28, 1795-1808	5.5	3
78	Rapid Antibacterial Effects of Silk Fabric Constructed through Enzymatic Grafting of Modified PEI and AgNP Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33505-33515	9.5	3
77	Developing a Multifunctional Silk Fabric with Dual-Driven Heating and Rapid Photothermal Antibacterial Abilities Using High-Yield MXene Dispersions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 43414-43425	9.5	8
76	A facile strategy for the preparation of photothermal silk fibroin aerogels with antibacterial and oil-water separation abilities. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 603, 518-529	9.3	5
75	Development of an eco-friendly antibacterial textile: lysozyme immobilization on wool fabric. <i>Bioprocess and Biosystems Engineering</i> , <b>2020</b> , 43, 1639-1648	3.7	8
74	A facile and eco-friendly approach for preparation of microkeratin and nanokeratin by ultrasound-assisted enzymatic hydrolysis. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 68, 105201	8.9	2

73	Laccase-mediated construction of flexible double-network hydrogels based on silk fibroin and tyramine-modified hyaluronic acid. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 160, 795-805	7.9	13
72	Construction of a composite hydrogel of silk sericin via horseradish peroxidase-catalyzed graft polymerization of poly-PEGDMA. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2020</b> , 108, 2643-2655	3.5	3
71	A Facile and Controllable Approach for Surface Modification of Wool by Micro-dissolution. <i>Fibers and Polymers</i> , <b>2020</b> , 21, 1229-1237	2	7
70	Exploring the role of pullulan in the process of potato starch film formation. <i>Carbohydrate Polymers</i> , <b>2020</b> , 234, 115910	10.3	2
69	Enzymatic deposition of PPy onto cPEG-grafted silk fibroin membrane to achieve conductivity. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 7042-7050	3.6	3
68	Determination of thiourea based on the reversion of fluorescence quenching of nitrogen doped carbon dots by Hg. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 227, 117666	4.4	11
67	Exploring the mechanism of pullulan delay potato starch long-term retrogradation from the viewpoint of amylopectin chain motion. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 145, 84-91	7.9	6
66	Laccase-catalyzed polymerization of hydroquinone incorporated with chitosan oligosaccharide for enzymatic coloration of cotton. <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 191, 605-622	3.2	4
65	Graft modification of lignin-based cellulose via enzyme-initiated reversible addition-fragmentation chain transfer (RAFT) polymerization and free-radical coupling. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 144, 267-278	7.9	7
64	Enzymatic crosslinking of silk sericin through combined use of TGase and the custom peptide. <i>Journal of the Textile Institute</i> , <b>2020</b> , 111, 84-92	1.5	2
63	Green modification of cellulose-based natural materials by HRP-initiated controlled "graft from" polymerization. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 1237-1245	7.9	10
62	Bio-Inspired Coloring and Functionalization of Silk Fabric via Laccase-Catalyzed Graft Polymerization of Arylamines. <i>Fibers and Polymers</i> , <b>2020</b> , 21, 1927-1937	2	4
61	Oxysucrose polyaldehyde: A new hydrophilic crosslinking reagent for anti-crease finishing of cotton fabrics. <i>Carbohydrate Research</i> , <b>2019</b> , 486, 107783	2.9	8
60	Ratio fluorometric determination of ATP base on the reversion of fluorescence of calcein quenched by Eu(III) ion using carbon dots as reference. <i>Talanta</i> , <b>2019</b> , 197, 451-456	6.2	23
59	Biological/chemical modification of cellulose nanocrystal to prepare highly compatible chitosan-based nanocomposites. <i>Cellulose</i> , <b>2019</b> , 26, 5267-5279	5.5	6
58	Eco-friendly Grafting of Chitosan as a Biopolymer onto Wool Fabrics Using Horseradish Peroxidase. <i>Fibers and Polymers</i> , <b>2019</b> , 20, 261-270	2	19
57	How does zero valent iron activating peroxydisulfate improve the dewatering of anaerobically digested sludge?. <i>Water Research</i> , <b>2019</b> , 163, 114912	12.5	83
56	Graft to Modification of Lignin by the Combination of Enzyme-Initiated Reversible Addition-Fragmentation Chain Transfer and Grafting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 12973-12980	8.3	5

55	Antibacterial Functionalization of Silk Fabrics following in Situ Coloring with Diazo Salts. <i>Journal of Natural Fibers</i> , <b>2019</b> , 1-14	1.8	
54	Controlled graft polymerization on the surface of filter paper via enzyme-initiated RAFT polymerization. <i>Carbohydrate Polymers</i> , <b>2019</b> , 207, 239-245	10.3	13
53	Laccase-catalyzed poly(ethylene glycol)-templated $\beta$ ip $\beta$ polymerization of caffeic acid for functionalization of wool fabrics. <i>Journal of Cleaner Production</i> , <b>2018</b> , 191, 48-56	10.3	15
52	Enzymatic modification of jute fabrics for enhancing the reinforcement in jute/PP composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2018</b> , 31, 483-499	1.9	13
51	Changes on Content, Structure and Surface Distribution of Lignin in Jute Fibers After Laccase Treatment. <i>Journal of Natural Fibers</i> , <b>2018</b> , 15, 384-395	1.8	8
50	A novel "trifunctional protease" with reducibility, hydrolysis, and localization used for wool anti-felting treatment. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 9159-9170	5.7	16
49	Highly efficient and eco-friendly wool degradation by L-cysteine-assisted esperase. <i>Journal of Cleaner Production</i> , <b>2018</b> , 192, 433-442	10.3	36
48	Acidic amino acids: A new-type of enzyme mimics with application to biosensing and evaluating of antioxidant behaviour. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 201, 367-375	4.4	9
47	Mechanism and Analysis of Laccase-mediated Coloration of Silk Fabrics. <i>Fibers and Polymers</i> , <b>2018</b> , 19, 868-876	2	15
46	The effect of branched limit dextrin on corn and waxy corn gelatinization and retrogradation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 116-122	7.9	15
45	OLE1 reduces cadmium-induced oxidative damage in <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , <b>2018</b> , 365,	2.9	12
44	Determination of DNA based on fluorescence quenching of terbium doped carbon dots. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 514	5.8	10
43	Polymerization of dopamine catalyzed by laccase: Comparison of enzymatic and conventional methods. <i>Enzyme and Microbial Technology</i> , <b>2018</b> , 119, 58-64	3.8	19
42	Compressive Properties of High-distance Warp-knitted Spacer Flexible Composite. <i>Fibers and Polymers</i> , <b>2018</b> , 19, 1135-1142	2	6
41	HRP-mediated graft polymerization of acrylic acid onto silk fibroins and in situ biomimetic mineralization. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2018</b> , 29, 72	4.5	5
40	Enzyme-mediated surface modification of jute and its influence on the properties of jute/epoxy composites. <i>Polymer Composites</i> , <b>2017</b> , 38, 1327-1334	3	9
39	Self-Crosslinking of Silk Fibroin Using HO-Horseradish Peroxidase System and the Characteristics of the Resulting Fibroin Membranes. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 182, 1548-1563	3.2	18
38	Hydrophobic functionalization of jute fabrics by enzymatic-assisted grafting of vinyl copolymers. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 3773-3780	3.6	13

37	Enhancement reactivity of Bombyx mori silk fibroins via genipin-mediated grafting of a tyrosine-rich polypeptide. <i>Journal of the Textile Institute</i> , <b>2017</b> , 108, 2115-2122	1.5	8
36	Synthesis of silk fibroin-g-PAA composite using HO-HRP and characterization of the in situ biomimetic mineralization behavior. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 291-302	8.3	19
35	Co-immobilization of cellulase and laccase onto the reversibly soluble polymers for decolorization of denim fabrics. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 993-999	2	7
34	A novel strategy to improve the dyeing properties in laccase-mediated coloration of wool fabric. <i>Coloration Technology</i> , <b>2017</b> , 133, 65-72	2	12
33	Effect of laccase on dyeing properties of polyphenol-based natural dye for wool fabric. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 1613-1620	2	16
32	Preparation of antibacterial silk fibroin membranes via tyrosinase-catalyzed coupling of Epolylysine. <i>Biotechnology and Applied Biochemistry</i> , <b>2016</b> , 63, 163-9	2.8	9
31	Enzymatic Hydrophobic Modification of Jute Fibers via Grafting to Reinforce Composites. <i>Applied Biochemistry and Biotechnology</i> , <b>2016</b> , 178, 1612-29	3.2	18
30	Enzymatic coating of jute fabrics for enhancing anti-ultraviolet properties via in-situ polymerization of polyhydric phenols. <i>Journal of Industrial Textiles</i> , <b>2016</b> , 46, 160-176	1.6	5
29	Hydrophobic modification of cotton fabric with octadecylamine via laccase/TEMPO mediated grafting. <i>Carbohydrate Polymers</i> , <b>2016</b> , 137, 549-555	10.3	47
28	Enhancement of antioxidant ability of Bombyx mori silk fibroins by enzymatic coupling of catechin. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 1713-1722	5.7	10
27	Laccase-catalyzed synthesis of conducting polyaniline-lignosulfonate composite. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	5
26	A novel approach for grafting of Cyclodextrin onto wool via laccase/TEMPO oxidation. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 463-470	10.3	18
25	Grafting of tyrosine-containing peptide onto silk fibroin membrane for improving enzymatic reactivity. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 1323-1329	2	13
24	HRP-mediated polyacrylamide graft modification of raw jute fabric. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 116, 29-38		23
23	Enzymatic processing of protein-based fibers. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 10387-99.7		31
22	Laccase-catalyzed in-situ dyeing of wool fabric. <i>Journal of the Textile Institute</i> , <b>2015</b> , 1-9	1.5	4
21	Jute/polypropylene composites: Effect of enzymatic modification on thermo-mechanical and dynamic mechanical properties. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 2276-2283	2	16
20	Hydrophobic surface functionalization of lignocellulosic jute fabrics by enzymatic grafting of octadecylamine. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 79, 353-62	7.9	36

19	Characterization and performance of ramie fabrics treated with modified cellulase. <i>Journal of the Textile Institute</i> , <b>2015</b> , 106, 780-786	1.5	2
18	Noncovalent immobilization of cellulases using the reversibly soluble polymers for biopolishing of cotton fabric. <i>Biotechnology and Applied Biochemistry</i> , <b>2015</b> , 62, 494-501	2.8	14
17	A study of surface morphology and structure of cotton fibres with soluble immobilized-cellulase treatment. <i>Fibers and Polymers</i> , <b>2014</b> , 15, 1609-1615	2	9
16	A promising approach for bio-finishing of cotton using immobilized acid-cellulase. <i>Fibers and Polymers</i> , <b>2014</b> , 15, 932-937	2	5
15	Hydrophobic modification of jute fiber used for composite reinforcement via laccase-mediated grafting. <i>Applied Surface Science</i> , <b>2014</b> , 301, 418-427	6.7	56
14	A new model substrate for cutinase hydrolyzing polyethylene terephthalate. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 1128-1133	2	3
13	Cellulase immobilization onto the reversibly soluble methacrylate copolymer for denim washing. <i>Carbohydrate Polymers</i> , <b>2013</b> , 95, 675-80	10.3	44
12	Modification of ramie with 1-butyl-3-methylimidazolium chloride ionic liquid. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 1254-1260	2	19
11	Covalent immobilization of cellulases onto a water-soluble-insoluble reversible polymer. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 166, 1433-41	3.2	24
10	pH Mediated L-cysteine Aqueous Solution for Wool Reduction and Urea-Free Keratin Extraction. <i>Journal of Polymers and the Environment</i> ,1	4.5	0
9	Thiourea dioxide-mediated surface functionalization: A novel strategy for anti-felting and dyeability improvement of wool. <i>Journal of the Textile Institute</i> ,1-11	1.5	0
8	Durable hydrophobic and antibacterial textile coating via PDA/AgNPs/ODA in situ assembly. <i>Cellulose</i> ,1	5.5	0
7	Structure and Performance of Cuticles Isolated from Wool Fibers Using Different Approaches. <i>Journal of Natural Fibers</i> ,1-14	1.8	
6	Thiol-Based Ionic Liquid: An Efficient Approach for Improving Hydrophilic Performance of Wool. <i>Journal of Natural Fibers</i> ,1-12	1.8	2
5	Can Thiourea Dioxide Regenerate Keratin from Waste Wool?. <i>Journal of Natural Fibers</i> ,1-9	1.8	1
4	Enhancing surface performance of wool using reduced ionic liquid. <i>Journal of the Textile Institute</i> ,1-10	1.5	0
3	A Sustainable and Effective Bioprocessing Approach for Improving Anti-felting, Anti-pilling and Dyeing Properties of Wool Fabric. <i>Fibers and Polymers</i> ,1	2	4
2	Comparative Study of Water-soluble and Non-water-soluble Wool Keratin from Ionic Liquid Analogue. <i>Fibers and Polymers</i> ,1	2	0

- 1 The Absorption Accelerating Behavior of Surface Modified Wool: Mechanism, Isotherm, Kinetic, and Thermodynamic Studies. *Journal of Natural Fibers*,1-12 1.8