

Yuanyuan Yu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9367721/yuanyuan-yu-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	How does zero valent iron activating peroxydisulfate improve the dewatering of anaerobically digested sludge?. <i>Water Research</i> , 2019 , 163, 114912	12.5	83
89	Hydrophobic modification of jute fiber used for composite reinforcement via laccase-mediated grafting. <i>Applied Surface Science</i> , 2014 , 301, 418-427	6.7	56
88	Hydrophobic modification of cotton fabric with octadecylamine via laccase/TEMPO mediated grafting. <i>Carbohydrate Polymers</i> , 2016 , 137, 549-555	10.3	47
87	Cellulase immobilization onto the reversibly soluble methacrylate copolymer for denim washing. <i>Carbohydrate Polymers</i> , 2013 , 95, 675-80	10.3	44
86	Highly efficient and eco-friendly wool degradation by L-cysteine-assisted esperase. <i>Journal of Cleaner Production</i> , 2018 , 192, 433-442	10.3	36
85	Hydrophobic surface functionalization of lignocellulosic jute fabrics by enzymatic grafting of octadecylamine. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 353-62	7.9	36
84	Enzymatic processing of protein-based fibers. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 10387-937	7.7	31
83	Covalent immobilization of cellulases onto a water-soluble-insoluble reversible polymer. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 166, 1433-41	3.2	24
82	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> , 2019 , 197, 451-456	6.2	23
81	HRP-mediated polyacrylamide graft modification of raw jute fabric. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 116, 29-38		23
80	Eco-friendly Grafting of Chitosan as a Biopolymer onto Wool Fabrics Using Horseradish Peroxidase. <i>Fibers and Polymers</i> , 2019 , 20, 261-270	2	19
79	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> , 2017 , 81, 291-302	8.3	19
78	Modification of ramie with 1-butyl-3-methylimidazolium chloride ionic liquid. <i>Fibers and Polymers</i> , 2013 , 14, 1254-1260	2	19
77	Polymerization of dopamine catalyzed by laccase: Comparison of enzymatic and conventional methods. <i>Enzyme and Microbial Technology</i> , 2018 , 119, 58-64	3.8	19
76	Self-Crosslinking of Silk Fibroin Using HO-Horseradish Peroxidase System and the Characteristics of the Resulting Fibroin Membranes. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 182, 1548-1563	3.2	18
75	Enzymatic Hydrophobic Modification of Jute Fibers via Grafting to Reinforce Composites. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 1612-29	3.2	18
74	A novel approach for grafting of β -cyclodextrin onto wool via laccase/TEMPO oxidation. <i>Carbohydrate Polymers</i> , 2016 , 153, 463-470	10.3	18

73	Jute/polypropylene composites: Effect of enzymatic modification on thermo-mechanical and dynamic mechanical properties. <i>Fibers and Polymers</i> , 2015 , 16, 2276-2283	2	16
72	Effect of laccase on dyeing properties of polyphenol-based natural dye for wool fabric. <i>Fibers and Polymers</i> , 2016 , 17, 1613-1620	2	16
71	A novel "trifunctional protease" with reducibility, hydrolysis, and localization used for wool anti-felting treatment. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 9159-9170	5.7	16
70	Laccase-catalyzed poly(ethylene glycol)-templated α -cyclodextrin polymerization of caffeic acid for functionalization of wool fabrics. <i>Journal of Cleaner Production</i> , 2018 , 191, 48-56	10.3	15
69	Mechanism and Analysis of Laccase-mediated Coloration of Silk Fabrics. <i>Fibers and Polymers</i> , 2018 , 19, 868-876	2	15
68	The effect of branched limit dextrin on corn and waxy corn gelatinization and retrogradation. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 116-122	7.9	15
67	Noncovalent immobilization of cellulases using the reversibly soluble polymers for biopolishing of cotton fabric. <i>Biotechnology and Applied Biochemistry</i> , 2015 , 62, 494-501	2.8	14
66	Hydrophobic functionalization of jute fabrics by enzymatic-assisted grafting of vinyl copolymers. <i>New Journal of Chemistry</i> , 2017 , 41, 3773-3780	3.6	13
65	Laccase-mediated construction of flexible double-network hydrogels based on silk fibroin and tyramine-modified hyaluronic acid. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 795-805	7.9	13
64	Enzymatic modification of jute fabrics for enhancing the reinforcement in jute/PP composites. <i>Journal of Thermoplastic Composite Materials</i> , 2018 , 31, 483-499	1.9	13
63	Grafting of tyrosine-containing peptide onto silk fibroin membrane for improving enzymatic reactivity. <i>Fibers and Polymers</i> , 2016 , 17, 1323-1329	2	13
62	Controlled graft polymerization on the surface of filter paper via enzyme-initiated RAFT polymerization. <i>Carbohydrate Polymers</i> , 2019 , 207, 239-245	10.3	13
61	A novel strategy to improve the dyeing properties in laccase-mediated coloration of wool fabric. <i>Coloration Technology</i> , 2017 , 133, 65-72	2	12
60	OLE1 reduces cadmium-induced oxidative damage in <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 2018 , 365,	2.9	12
59	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> , 2020 , 227, 117666	4.4	11
58	Enhancement of antioxidant ability of <i>Bombyx mori</i> silk fibroins by enzymatic coupling of catechin. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1713-1722	5.7	10
57	Green modification of cellulose-based natural materials by HRP-initiated controlled "graft from" polymerization. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1237-1245	7.9	10
56	Determination of DNA based on fluorescence quenching of terbium doped carbon dots. <i>Mikrochimica Acta</i> , 2018 , 185, 514	5.8	10

55	Enzyme-mediated surface modification of jute and its influence on the properties of jute/epoxy composites. <i>Polymer Composites</i> , 2017 , 38, 1327-1334	3	9
54	Preparation of antibacterial silk fibroin membranes via tyrosinase-catalyzed coupling of ϵ -polylysine. <i>Biotechnology and Applied Biochemistry</i> , 2016 , 63, 163-9	2.8	9
53	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> , 2018 , 201, 367-375	4.4	9
52	A study of surface morphology and structure of cotton fibres with soluble immobilized-cellulase treatment. <i>Fibers and Polymers</i> , 2014 , 15, 1609-1615	2	9
51	Chitosan grafting via one-enzyme double catalysis: An effective approach for improving performance of wool. <i>Carbohydrate Polymers</i> , 2021 , 252, 117157	10.3	9
50	Enhancement reactivity of Bombyx mori silk fibroins via genipin-mediated grafting of a tyrosine-rich polypeptide. <i>Journal of the Textile Institute</i> , 2017 , 108, 2115-2122	1.5	8
49	Oxysucrose polyaldehyde: A new hydrophilic crosslinking reagent for anti-crease finishing of cotton fabrics. <i>Carbohydrate Research</i> , 2019 , 486, 107783	2.9	8
48	Development of an eco-friendly antibacterial textile: lysozyme immobilization on wool fabric. <i>Bioprocess and Biosystems Engineering</i> , 2020 , 43, 1639-1648	3.7	8
47	Changes on Content, Structure and Surface Distribution of Lignin in Jute Fibers After Laccase Treatment. <i>Journal of Natural Fibers</i> , 2018 , 15, 384-395	1.8	8
46	Developing a Multifunctional Silk Fabric with Dual-Driven Heating and Rapid Photothermal Antibacterial Abilities Using High-Yield MXene Dispersions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43414-43425	9.5	8
45	A Facile and Controllable Approach for Surface Modification of Wool by Micro-dissolution. <i>Fibers and Polymers</i> , 2020 , 21, 1229-1237	2	7
44	Co-immobilization of cellulase and laccase onto the reversibly soluble polymers for decolorization of denim fabrics. <i>Fibers and Polymers</i> , 2017 , 18, 993-999	2	7
43	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> , 2020 , 144, 267-278	7.9	7
42	Biological/chemical modification of cellulose nanocrystal to prepare highly compatible chitosan-based nanocomposites. <i>Cellulose</i> , 2019 , 26, 5267-5279	5.5	6
41	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> , 2020 , 145, 84-91	7.9	6
40	Compressive Properties of High-distance Warp-knitted Spacer Flexible Composite. <i>Fibers and Polymers</i> , 2018 , 19, 1135-1142	2	6
39	Enzymatic coating of jute fabrics for enhancing anti-ultraviolet properties via in-situ polymerization of polyhydric phenols. <i>Journal of Industrial Textiles</i> , 2016 , 46, 160-176	1.6	5
38	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> , 2019 , 7, 12973-12980	8.3	5

37	A promising approach for bio-finishing of cotton using immobilized acid-cellulase. <i>Fibers and Polymers</i> , 2014 , 15, 932-937	2	5
36	Laccase-catalyzed synthesis of conducting polyaniline-lignosulfonate composite. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	5
35	HRP-mediated graft polymerization of acrylic acid onto silk fibroins and in situ biomimetic mineralization. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 72	4.5	5
34	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> , 2021 , 603, 518-529	9.3	5
33	Laccase-catalyzed in-situ dyeing of wool fabric. <i>Journal of the Textile Institute</i> , 2015 , 1-9	1.5	4
32	Efficient Regulation of the Behaviors of Silk Fibroin Hydrogel via Enzyme-Catalyzed Coupling of Hyaluronic Acid. <i>Langmuir</i> , 2021 , 37, 478-489	4	4
31	Laccase-catalyzed polymerization of hydroquinone incorporated with chitosan oligosaccharide for enzymatic coloration of cotton. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 191, 605-622	3.2	4
30	Bio-Inspired Coloring and Functionalization of Silk Fabric via Laccase-Catalyzed Graft Polymerization of Arylamines. <i>Fibers and Polymers</i> , 2020 , 21, 1927-1937	2	4
29	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
28	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> , 2020 , 108, 2643-2655	3.5	3
27	Enzymatic deposition of PPy onto cPEG-grafted silk fibroin membrane to achieve conductivity. <i>New Journal of Chemistry</i> , 2020 , 44, 7042-7050	3.6	3
26	A new model substrate for cutinase hydrolyzing polyethylene terephthalate. <i>Fibers and Polymers</i> , 2013 , 14, 1128-1133	2	3
25	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 & Interfaces</i> , 2021 ,	9.5	3
24	Thermo-responsive cotton fabric prepared by enzyme-initiated graft from polymerization for moisture/thermal management. <i>Cellulose</i> , 2021 , 28, 1795-1808	5.5	3
23	Rapid Antibacterial Effects of Silk Fabric Constructed through Enzymatic Grafting of Modified PEI and AgNP Deposition. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33505-33515	9.5	3
22	A facile and eco-friendly approach for preparation of microkeratin and nanokeratin by ultrasound-assisted enzymatic hydrolysis. <i>Ultrasonics Sonochemistry</i> , 2020 , 68, 105201	8.9	2
21	Exploring the role of pullulan in the process of potato starch film formation. <i>Carbohydrate Polymers</i> , 2020 , 234, 115910	10.3	2
20	Characterization and performance of ramie fabrics treated with modified cellulase. <i>Journal of the Textile Institute</i> , 2015 , 106, 780-786	1.5	2

19	Fabrication of stretchable PEDOT:PSS coated cotton fabric via LBL electrostatic self-assembly and its UV protection and sensing properties. <i>Cellulose</i> , 2022 , 29, 2699	5.5	2
18	Pneumoconiosis computer aided diagnosis system based on X-rays and deep learning. <i>BMC Medical Imaging</i> , 2021 , 21, 189	2.9	2
17	Photoenzymatic Activity of Artificial-Natural Bienzyme Applied in Biodegradation of Methylene Blue and Accelerating Polymerization of Dopamine. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 56191-56204	9.5	2
16	Thiol-Based Ionic Liquid: An Efficient Approach for Improving Hydrophilic Performance of Wool. <i>Journal of Natural Fibers</i> ,1-12	1.8	2
15	Enzymatic crosslinking of silk sericin through combined use of TGase and the custom peptide. <i>Journal of the Textile Institute</i> , 2020 , 111, 84-92	1.5	2
14	A controlled, highly effective and sustainable approach to the surface performance improvement of wool fibers. <i>Journal of Molecular Liquids</i> , 2021 , 322, 114952	6	2
13	Can Thiourea Dioxide Regenerate Keratin from Waste Wool?. <i>Journal of Natural Fibers</i> ,1-9	1.8	1
12	An eco-friendly approach to low-temperature and near-neutral bleaching of cotton knitted fabrics using glycerol triacetate as an activator. <i>Cellulose</i> , 2021 , 28, 8129-8138	5.5	1
11	Separation and Enrichment of Sudan III Using Surface Modified Hollow Glass Microspheres and Colorimetric Detection. <i>Journal of AOAC INTERNATIONAL</i> , 2021 , 104, 165-171	1.7	1
10	Combined Cutinase and Keratinolytic Enzyme to Endow Improved Shrink-resistance to Wool Fabric. <i>Fibers and Polymers</i> , 2022 , 23, 985-992	2	1
9	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
8	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
7	Durable hydrophobic and antibacterial textile coating via PDA/AgNPs/ODA in situ assembly. <i>Cellulose</i> ,1	5.5	0
6	Enhancing surface performance of wool using reduced ionic liquid. <i>Journal of the Textile Institute</i> ,1-10	1.5	0
5	Comparative Study of Water-soluble and Non-water-soluble Wool Keratin from Ionic Liquid Analogue. <i>Fibers and Polymers</i> ,1	2	0
4	Enzymatic construction of a temperature-regulating fabric with multiple heat-transfer capabilities. <i>Cellulose</i> , 2022 , 29, 3513	5.5	0
3	Structure and Performance of Cuticles Isolated from Wool Fibers Using Different Approaches. <i>Journal of Natural Fibers</i> ,1-14	1.8	
2	Antibacterial Functionalization of Silk Fabrics following in Situ Coloring with Diazo Salts. <i>Journal of Natural Fibers</i> , 2019 , 1-14	1.8	

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