Li Cui

List of Publications by Year
in descending order

40 papers	757 citations	430442 18 h-index	552369 26 g-index
40 all docs	40 docs citations	40 times ranked	851 citing authors

#	Article	IF	Citations
1	Hydrophobic modification of cotton fabric with octadecylamine via laccase/TEMPO mediated grafting. Carbohydrate Polymers, 2016, 137, 549-555.	5.1	56
2	Transglutaminaseâ€•modified wool keratin film and its potential application in tissue engineering. Engineering in Life Sciences, 2013, 13, 149-155.	2.0	46
3	Thermal stability and conformational changes of transglutaminase from a newly isolated Streptomyces hygroscopicus. Bioresource Technology, 2008, 99, 3794-3800.	4.8	39
4	Preparation of a multifunctional fibroin-based biomaterial via laccase-assisted grafting of chitooligosaccharide. International Journal of Biological Macromolecules, 2018, 113, 1062-1072.	3.6	37
5	Higher photocatalytic removal of organic pollutants using pangolin-like composites made of 3â€“4 atomic layers of MoS2 nanosheets deposited on tourmaline. Environmental Chemistry Letters, 2021, 19, 3573-3582.	8.3	37
6	Plasma-Aided Cotton Bioscouring: Dielectric Barrier Discharge Versus Low-Pressure Oxygen Plasma. Plasma Chemistry and Plasma Processing, 2009, 29, 399-409.	1.1	36
7	The combined use of cutinase, keratinase and protease treatments for wool bio-antifelting. Fibers and Polymers, 2011, 12, 760-764.	1.1	31
8	Tyrosinase-Mediated Construction of a Silk Fibroin/Elastin Nanofiber Bioscaffold. Applied Biochemistry and Biotechnology, 2016, 178, 1363-1376.	1.4	30
9	Rapid Antibacterial Effects of Silk Fabric Constructed through Enzymatic Grafting of Modified PEI and AgNP Deposition. ACS Applied Materials & Interfaces, 2021, 13, 33505-33515.	4.0	30
10	Modification of <scp>B</scp>ombyx mori silk fabrics by tyrosinaseâ€catalyzed grafting of chitosan. Engineering in Life Sciences, 2014, 14, 211-217.	2.0	29
11	Self-Crosslinking of Silk Fibroin Using H2O2-Horseradish Peroxidase System and the Characteristics of the Resulting Fibroin Membranes. Applied Biochemistry and Biotechnology, 2017, 182, 1548-1563.	1.4	27
12	Construction of a Rapid Photothermal Antibacterial Silk Fabric via QCS-Guided In Situ Deposition of CuSNPs. ACS Sustainable Chemistry and Engineering, 2022, 10, 2192-2203.	3.2	26
13	A novel â€œtrifunctional proteaseâ€•with reducibility, hydrolysis, and localization used for wool anti-felting treatment. Applied Microbiology and Biotechnology, 2018, 102, 9159-9170.	1.7	25
14	Sensitive Micro-Breathing Sensing and Highly-Effective Photothermal Antibacterial Cinnamomum camphora Bark Micro-Structural Cotton Fabric via Electrostatic Self-Assembly of MXene/HACC. ACS Applied Materials & Interfaces, 2022, 14, 2132-2145.	4.0	24
15	Immobilization of catalase on cotton fabric oxidized by sodium periodate. Biocatalysis and Biotransformation, 2008, 26, 437-443.	1.1	23
16	The effect of branched limit dextrin on corn and waxy corn gelatinization and retrogradation. International Journal of Biological Macromolecules, 2018, 106, 116-122.	3.6	23
17	Transglutaminaseâ€•mediated crosslinking of gelatin onto wool surfaces to improve the fabric properties. Journal of Applied Polymer Science, 2009, 113, 2598-2604.	1.3	20
18	Enzymatic grafting of lactoferrin onto silk fibroins for antibacterial functionalization. Fibers and Polymers, 2014, 15, 2045-2050.	1.1	19

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19	A comparative study on wool bio-antifelting based on different chemical pretreatments. Fibers and Polymers, 2009, 10, 724-730.	1.1	18
20	Noncovalent immobilization of cellulases using the reversibly soluble polymers for biopolishing of cotton fabric. Biotechnology and Applied Biochemistry, 2015, 62, 494-501.	1.4	16
21	Grafting of tyrosine-containing peptide onto silk fibroin membrane for improving enzymatic reactivity. Fibers and Polymers, 2016, 17, 1323-1329.	1.1	15
22	Improving properties of silk sericin membranes via enzymatic oxidation with laccase and TEMPO. Biotechnology and Applied Biochemistry, 2018, 65, 372-380.	1.4	15
23	A comparative evaluation of the action of savinase and papain to the cutinase-pretreated wool. Fibers and Polymers, 2010, 11, 586-592.	1.1	13
24	The effect of poly(vinyl alcohol) hydrolysis on the properties of its blends with nylon 6. Polymer Engineering and Science, 2009, 49, 1553-1561.	1.5	12
25	Preparation of antibacterial silk fibroin membranes via tyrosinaseâ€catalyzed coupling of Îµâ€polylysine. Biotechnology and Applied Biochemistry, 2016, 63, 163-169.	1.4	11
26	Enhancement of antioxidant ability of Bombyx mori silk fibroins by enzymatic coupling of catechin. Applied Microbiology and Biotechnology, 2016, 100, 1713-1722.	1.7	11
27	A study of surface morphology and structure of cotton fibres with soluble immobilized-cellulase treatment. Fibers and Polymers, 2014, 15, 1609-1615.	1.1	10
28	Combination of chloroquine and GX15-070 (obatoclax) results in synergistic cytotoxicity against pancreatic cancer cells. Oncology Reports, 2014, 32, 2789-2794.	1.2	10
29	Effect of microbial transglutaminase on dyeing properties of natural dyes on wool fabric. Biocatalysis and Biotransformation, 2008, 26, 399-404.	1.1	9
30	Enhancement reactivity of Bombyx mori silk fibroins via genipin-mediated grafting of a tyrosine-rich polypeptide. Journal of the Textile Institute, 2017, 108, 2115-2122.	1.0	9
31	Enzyme-modified casein fibers and their potential application in drug delivery. Fibers and Polymers, 2017, 18, 900-906.	1.1	7
32	Effect of hydrogen bonding on characterization of polyamide 612 and ethylene vinyl alcohol copolymer blends. Journal of Applied Polymer Science, 2011, 120, 3724-3732.	1.3	6
33	Preparation and physical properties of meltâ€blown nonwovens of biodegradable PLA/acetyl tributyl citrate/FePol copolyester blends. Journal of Applied Polymer Science, 2012, 125, E158.	1.3	6
34	The bioscouring efficiency and activity of alkaline pectinase for cotton fabric. Fibers and Polymers, 2009, 10, 476-480.	1.1	5
35	A promising approach for bio-finishing of cotton using immobilized acid-cellulase. Fibers and Polymers, 2014, 15, 932-937.	1.1	5
36	Mechanical, Biodegradation and Morphological Properties of Sisal Fiber Reinforced Poly(Lactic Acid) Biocomposites. Journal of Macromolecular Science - Physics, 2019, 58, 275-289.	0.4	5

#	Article	IF	Citations
37	Microstructure Optimization of Mos2/Sepiolite Nanocomposites via a Surfactant-Assisted Hydrothermal Strategy for High Efficiency Photocatalysis. International Journal of Photoenergy, 2020, 2020, 1-7.	1.4	5
38	Effects of lipase on poly(lactic acid) fibers. Fibers and Polymers, 2009, 10, 333-337.	1.1	4
39	Oxygen depletion properties of glucose-grafted polyethylene resins filled with sodium ascorbate/modified iron compounds. Journal of Polymer Research, 2011, 18, 1301-1313.	1.2	4
40	Tearing and Rheological Properties of Fully Biodegradable Poly(Lactic Acid)/Poly(Ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (674-684.	0.4	3