

# Li Cui

## List of Publications by Year in descending order

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40  
papers

757  
citations

430442

18  
h-index

552369

26  
g-index

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docs citations

40  
times ranked

851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of a Rapid Photothermal Antibacterial Silk Fabric via QCS-Guided <i>In Situ</i> Deposition of CuSNPs. ACS Sustainable Chemistry and Engineering, 2022, 10, 2192-2203.	3.2	26
2	Sensitive Micro-Breathing Sensing and Highly-Effective Photothermal Antibacterial <i>Cinnamomum camphora</i> Bark Micro-Structural Cotton Fabric via Electrostatic Self-Assembly of MXene/HACC. ACS Applied Materials & Interfaces, 2022, 14, 2132-2145.	4.0	24
3	Higher photocatalytic removal of organic pollutants using pangolin-like composites made of 4 atomic layers of MoS <sub>2</sub> nanosheets deposited on tourmaline. Environmental Chemistry Letters, 2021, 19, 3573-3582.	8.3	37
4	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
5	Microstructure Optimization of MoS <sub>2</sub> /Sepiolite Nanocomposites via a Surfactant-Assisted Hydrothermal Strategy for High Efficiency Photocatalysis. International Journal of Photoenergy, 2020, 2020, 1-7.	1.4	5
6	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
7	Improving properties of silk sericin membranes via enzymatic oxidation with laccase and TEMPO. Biotechnology and Applied Biochemistry, 2018, 65, 372-380.	1.4	15
8	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
9	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
10	A novel $\alpha$ -trifunctional protease with reducibility, hydrolysis, and localization used for wool anti-felting treatment. Applied Microbiology and Biotechnology, 2018, 102, 9159-9170.	1.7	25
11	Self-Crosslinking of Silk Fibroin Using H <sub>2</sub> O <sub>2</sub> -Horseradish Peroxidase System and the Characteristics of the Resulting Fibroin Membranes. Applied Biochemistry and Biotechnology, 2017, 182, 1548-1563.	1.4	27
12	Enzyme-modified casein fibers and their potential application in drug delivery. Fibers and Polymers, 2017, 18, 900-906.	1.1	7
13	Enhancement reactivity of <i>Bombyx mori</i> silk fibroins via genipin-mediated grafting of a tyrosine-rich polypeptide. Journal of the Textile Institute, 2017, 108, 2115-2122.	1.0	9
14	Grafting of tyrosine-containing peptide onto silk fibroin membrane for improving enzymatic reactivity. Fibers and Polymers, 2016, 17, 1323-1329.	1.1	15
15	Preparation of antibacterial silk fibroin membranes via tyrosinase-catalyzed coupling of $\mu$ -polylysine. Biotechnology and Applied Biochemistry, 2016, 63, 163-169.	1.4	11
16	Tyrosinase-Mediated Construction of a Silk Fibroin/Elastin Nanofiber Bioscaffold. Applied Biochemistry and Biotechnology, 2016, 178, 1363-1376.	1.4	30
17	Hydrophobic modification of cotton fabric with octadecylamine via laccase/TEMPO mediated grafting. Carbohydrate Polymers, 2016, 137, 549-555.	5.1	56
18	Enhancement of antioxidant ability of <i>Bombyx mori</i> silk fibroins by enzymatic coupling of catechin. Applied Microbiology and Biotechnology, 2016, 100, 1713-1722.	1.7	11

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19	Noncovalent immobilization of cellulases using the reversibly soluble polymers for biopolishing of cotton fabric. <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 494-501.	1.4	16
20	Enzymatic grafting of lactoferrin onto silk fibroins for antibacterial functionalization. <i>Fibers and Polymers</i> , 2014, 15, 2045-2050.	1.1	19
21	A study of surface morphology and structure of cotton fibres with soluble immobilized-cellulase treatment. <i>Fibers and Polymers</i> , 2014, 15, 1609-1615.	1.1	10
22	A promising approach for bio-finishing of cotton using immobilized acid-cellulase. <i>Fibers and Polymers</i> , 2014, 15, 932-937.	1.1	5
23	Modification of <i>Bombyx mori</i> silk fabrics by tyrosinase-catalyzed grafting of chitosan. <i>Engineering in Life Sciences</i> , 2014, 14, 211-217.	2.0	29
24	Combination of chloroquine and GX15-070 (obatoclox) results in synergistic cytotoxicity against pancreatic cancer cells. <i>Oncology Reports</i> , 2014, 32, 2789-2794.	1.2	10
25	Tearing and Rheological Properties of Fully Biodegradable Poly(Lactic Acid)/Poly(Ethylene Terephthalate) Blends. <i>Journal of Applied Polymer Science</i> , 2014, 114, 674-684.	0.4	3
26	Transglutaminase-mediated wool keratin film and its potential application in tissue engineering. <i>Engineering in Life Sciences</i> , 2013, 13, 149-155.	2.0	46
27	Preparation and physical properties of melt-blown nonwovens of biodegradable PLA/acetyl tributyl citrate/FePol copolyester blends. <i>Journal of Applied Polymer Science</i> , 2012, 125, E158.	1.3	6
28	Oxygen depletion properties of glucose-grafted polyethylene resins filled with sodium ascorbate/modified iron compounds. <i>Journal of Polymer Research</i> , 2011, 18, 1301-1313.	1.2	4
29	The combined use of cutinase, keratinase and protease treatments for wool bio-antifelting. <i>Fibers and Polymers</i> , 2011, 12, 760-764.	1.1	31
30	Effect of hydrogen bonding on characterization of polyamide 612 and ethylene vinyl alcohol copolymer blends. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3724-3732.	1.3	6
31	A comparative evaluation of the action of savinase and papain to the cutinase-pretreated wool. <i>Fibers and Polymers</i> , 2010, 11, 586-592.	1.1	13
32	Transglutaminase-mediated crosslinking of gelatin onto wool surfaces to improve the fabric properties. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2598-2604.	1.3	20
33	Plasma-Aided Cotton Bioscouring: Dielectric Barrier Discharge Versus Low-Pressure Oxygen Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2009, 29, 399-409.	1.1	36
34	Effects of lipase on poly(lactic acid) fibers. <i>Fibers and Polymers</i> , 2009, 10, 333-337.	1.1	4
35	The bioscouring efficiency and activity of alkaline pectinase for cotton fabric. <i>Fibers and Polymers</i> , 2009, 10, 476-480.	1.1	5
36	A comparative study on wool bio-antifelting based on different chemical pretreatments. <i>Fibers and Polymers</i> , 2009, 10, 724-730.	1.1	18

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37	The effect of poly(vinyl alcohol) hydrolysis on the properties of its blends with nylon 6. <i>Polymer Engineering and Science</i> , 2009, 49, 1553-1561.	1.5	12
38	Thermal stability and conformational changes of transglutaminase from a newly isolated <i>Streptomyces hygroscopicus</i> . <i>Bioresource Technology</i> , 2008, 99, 3794-3800.	4.8	39
39	Effect of microbial transglutaminase on dyeing properties of natural dyes on wool fabric. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 399-404.	1.1	9
40	Immobilization of catalase on cotton fabric oxidized by sodium periodate. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 437-443.	1.1	23