

# Carla Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

133  
papers

3,007  
citations

201385

27  
h-index

223531

46  
g-index

138  
all docs

138  
docs citations

138  
times ranked

3478  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Grafting of Poly(tyrosine) by Laccase Improves the Tensile Strength and Anti-shrinkage of Wool. <i>Journal of Natural Fibers</i> , 2022, 19, 10979-10991.  | 1.7  | 7         |
| 2  | Inhibition of Escherichia Virus MS2, Surrogate of SARS-CoV-2, via Essential Oils-Loaded Electrospun Fibrous Mats: Increasing the Multifunctionality of Antivirus Protection Masks. <i>Pharmaceutics</i> , 2022, 14, 303.                                 | 2.0  | 13        |
| 3  | Evaluation of bamboo water-retting for fiber bundle extraction. <i>Textile Research Journal</i> , 2022, 92, 3289-3298.   | 1.1  | 2         |
| 4  | Eco-friendly approach for preparation of hybrid silica aerogel via freeze drying method. <i>Journal of Materials Science</i> , 2022, 57, 7491-7502.  | 1.7  | 8         |
| 5  | Hybrid aerogel composites reinforced with aramid fiber fabric for thermal protection. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 103, 416-424.   | 1.1  | 2         |
| 6  | Chemical modification of lipases: A powerful tool for activity improvement. <i>Biotechnology Journal</i> , 2022, 17, e2100523.   | 1.8  | 5         |
| 7  | Green Extraction of Cork Bioactive Compounds Using Natural Deep Eutectic Mixtures. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7974-7989.   | 3.2  | 20        |
| 8  | Highly efficient and durable antibacterial cotton fabrics finished with zwitterionic polysulfobetaine by one-step eco-friendly strategy. <i>Cellulose</i> , 2021, 28, 1139-1152.   | 2.4  | 19        |
| 9  | Insight into the in-situ solvent-free lipase-catalyzed coating on cotton with polyesters. <i>Process Biochemistry</i> , 2021, 102, 82-91.  | 1.8  | 3         |
| 10 | The Structural Properties of Odorants Modulate Their Association to Human Odorant Binding Protein. <i>Biomolecules</i> , 2021, 11, 145.  | 1.8  | 4         |
| 11 | Biotechnological applications of mammalian odorant-binding proteins. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 441-455.   | 5.1  | 12        |
| 12 | Analysis of Adhesion Effect of Solution on Cotton Fibers in Adhesive-aided Ring Spinning. <i>Fibers and Polymers</i> , 2021, 22, 2323-2332.  | 1.1  | 0         |
| 13 | Study on Gathering-and-twisting Mechanism of Fibers and CMC-Na/PAM/PVA Solution Optimization for Enhancing Cotton Yarn Performance by Adhesive-aided Ring Spinning. <i>Fibers and Polymers</i> , 2021, 22, 3490-3500.                                    | 1.1  | 2         |
| 14 | Chemically Modified Lipase from <i>Thermomyces lanuginosus</i> with Enhanced Esterification and Transesterification Activities. <i>ChemCatChem</i> , 2021, 13, 4524-4531.  | 1.8  | 4         |
| 15 | Carbon Doped Titanium Dioxide Sheets for the Efficient Photocatalytic Performance of Refractory Pollutants. <i>Frontiers in Chemistry</i> , 2021, 9, 706343.   | 1.8  | 8         |
| 16 | Changing the shape of wool yarns via laccase-mediated grafting of tyrosine. <i>Journal of Biotechnology</i> , 2021, 339, 73-80.  | 1.9  | 3         |
| 17 | High-Efficiency Wastewater Purification System Based on Coupled Photoelectric Catalytic Action Provided by Triboelectric Nanogenerator. <i>Nano-Micro Letters</i> , 2021, 13, 194.   | 14.4 | 26        |
| 18 | A nanoporous Three-dimensional graphene aerogel doped with a carbon quantum Dot-TiO <sub>2</sub> composite that exhibits superior activity for the catalytic photodegradation of organic pollutants. <i>Applied Surface Science</i> , 2021, 569, 151116. | 3.1  | 12        |

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|----|--|-----|-----------|
| 19 | Established an eco-friendly cotton fabric treating process with enhancing anti-wrinkle performance. Journal of Engineered Fibers and Fabrics, 2021, 16, 155892502110034.               | 0.5 | 5         |
| 20 | Color matching of vortex spun yarn and ring spun yarn by the composition of dope-dyed fiber. Journal of the Textile Institute, 2020, 111, 172-177.                                     | 1.0 | 2         |
| 21 | Improvement of bacterial cellulose nonwoven fabrics by physical entrapment of lauryl gallate oligomers. Textile Research Journal, 2020, 90, 166-178.                                   | 1.1 | 15        |
| 22 | Ploxamer 407 based-nanoparticles for controlled release of methotrexate. International Journal of Pharmaceutics, 2020, 575, 118924.  | 2.6 | 12        |
| 23 | Production of conductive bacterial cellulose-polyaniline membranes in the presence of metal salts. Textile Research Journal, 2020, 90, 1517-1526.                                      | 1.1 | 9         |
| 24 | Substrate hydrophobicity and enzyme modifiers play a major role in the activity of lipase from <i>Thermomyces lanuginosus</i> . Catalysis Science and Technology, 2020, 10, 5913-5924. | 2.1 | 19        |
| 25 | Î±-Chymotrypsin catalyses the synthesis of methotrexate oligomers. Process Biochemistry, 2020, 98, 193-201.  | 1.8 | 4         |
| 26 | Carboxymethyl Cellulose (CMC) as a Template for Laccase-Assisted Oxidation of Aniline. Frontiers in Bioengineering and Biotechnology, 2020, 8, 438.                                    | 2.0 | 10        |
| 27 | Zein impart hydrophobic and antimicrobial properties to cotton textiles. Reactive and Functional Polymers, 2020, 154, 104664.  | 2.0 | 22        |
| 28 | Public communication by research institutes compared across countries and sciences: Building capacity for engagement or competing for visibility?. PLoS ONE, 2020, 15, e0235191.       | 1.1 | 31        |
| 29 | Release of Fragrances from Cotton Functionalized with Carbohydrate-Binding Module Proteins. ACS Applied Materials & Interfaces, 2019, 11, 28499-28506.                                 | 4.0 | 16        |
| 30 | Enzyme stabilization for biotechnological applications. , 2019, , 107-131.   |     | 3         |
| 31 | Biosynthesis of polyesters and their application on cellulosic fibers. , 2019, , 49-75.  |     | 2         |
| 32 | Î±-Chymotrypsin catalysed oligopeptide synthesis for hair modelling. Journal of Cleaner Production, 2019, 237, 117743.   | 4.6 | 2         |
| 33 | Ultrasound-Assisted Encapsulation of Sacha Inchi ( <i>Plukenetia volubilis</i> Linneo.) Oil in Alginate-Chitosan Nanoparticles. Polymers, 2019, 11, 1245.                              | 2.0 | 21        |
| 34 | Fusion proteins with chromogenic and keratin binding modules. Scientific Reports, 2019, 9, 14044.  | 1.6 | 12        |
| 35 | Crystallin Fusion Proteins Improve the Thermal Properties of Hair. Frontiers in Bioengineering and Biotechnology, 2019, 7, 298.  | 2.0 | 7         |
| 36 | Effect of Additives on the in situ Laccase-Catalyzed Polymerization of Aniline Onto Bacterial Cellulose. Frontiers in Bioengineering and Biotechnology, 2019, 7, 264.                  | 2.0 | 9         |

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|----|--|-----|-----------|
| 37 | PTS micelles for the delivery of hydrophobic methotrexate. <i>International Journal of Pharmaceutics</i> , 2019, 566, 282-290.   | 2.6 | 6         |
| 38 | Conductive bacterial cellulose by in situ laccase polymerization of aniline. <i>PLoS ONE</i> , 2019, 14, e0214546.   | 1.1 | 18        |
| 39 | Catalytic Activation of Esterases by PEGylation for Polyester Synthesis. <i>ChemCatChem</i> , 2019, 11, 2490-2499.   | 1.8 | 11        |
| 40 | The development of vocabulary and grammar: a longitudinal study of European Portuguese-speaking toddlers. <i>Journal of Child Language</i> , 2019, 46, 653-681.                            | 0.8 | 5         |
| 41 | Can Laccase-Assisted Processing Conditions Influence the Structure of the Reaction Products?. <i>Trends in Biotechnology</i> , 2019, 37, 683-686.  | 4.9 | 15        |
| 42 | Strategies for the synthesis of fluorinated polyesters. <i>RSC Advances</i> , 2019, 9, 1799-1806.  | 1.7 | 4         |
| 43 | Functionalization of Bacterial Cellulose Nonwoven by Poly(fluorophenol) to Improve Its Hydrophobicity and Durability. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 332. | 2.0 | 18        |
| 44 | A Facile, Effective Synthesis of Excellent Fluorescent Carbon Dots with Optical Properties. <i>ChemistrySelect</i> , 2019, 4, 12762-12767.   | 0.7 | 1         |
| 45 | Protective Effect of Saccharides on Freeze-Dried Liposomes Encapsulating Drugs. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 424.                                       | 2.0 | 45        |
| 46 | Coloured and low conductive fabrics by in situ laccase-catalysed polymerization. <i>Process Biochemistry</i> , 2019, 77, 77-84.  | 1.8 | 12        |
| 47 | Antimicrobial coating of textiles by laccase in situ polymerization of catechol and p-phenylenediamine. <i>Reactive and Functional Polymers</i> , 2019, 136, 25-33.                        | 2.0 | 27        |
| 48 | Light driven PVDF fibers based on photochromic nanosilica@naphthopyran fabricated by wet spinning. <i>Applied Surface Science</i> , 2019, 470, 951-958.                                    | 3.1 | 28        |
| 49 | in-situ lipase-catalyzed cotton coating with polyesters from ethylene glycol and glycerol. <i>Process Biochemistry</i> , 2018, 66, 82-88.  | 1.8 | 12        |
| 50 | Absence of Albumin Improves <i>in Vitro</i> Cellular Uptake and Disruption of Poloxamer 407-Based Nanoparticles inside Cancer Cells. <i>Molecular Pharmaceutics</i> , 2018, 15, 527-535.   | 2.3 | 12        |
| 51 | Bio-coloration of bacterial cellulose assisted by immobilized laccase. <i>AMB Express</i> , 2018, 8, 19.   | 1.4 | 26        |
| 52 | Laccase: a green catalyst for the biosynthesis of poly-phenols. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 294-307.  | 5.1 | 134       |
| 53 | OBP fused with cell-penetrating peptides promotes liposomal transduction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 645-653.  | 2.5 | 17        |
| 54 | Microbial lipids and added value metabolites production by <i>Yarrowia lipolytica</i> from pork lard. <i>Journal of Biotechnology</i> , 2018, 265, 76-85.                                  | 1.9 | 75        |

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|----|--|-----|-----------|
| 55 | Practical insights on enzyme stabilization. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 335-350.  | 5.1 | 152       |
| 56 | Ultrasound-assisted lipase catalyzed hydrolysis of aspirin methyl ester. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 587-593.   | 3.8 | 22        |
| 57 | Conductive Cotton by In Situ Laccase-Polymerization of Aniline. <i>Polymers</i> , 2018, 10, 1023.  | 2.0 | 19        |
| 58 | Silk-Based Antimicrobial Polymers as a New Platform to Design Drug-Free Materials to Impede Microbial Infections. <i>Macromolecular Bioscience</i> , 2018, 18, e1800262.                   | 2.1 | 24        |
| 59 | Polymers from Bamboo Extracts Produced by Laccase. <i>Polymers</i> , 2018, 10, 1141.   | 2.0 | 9         |
| 60 | Exploring PEGylated and immobilized laccases for catechol polymerization. <i>AMB Express</i> , 2018, 8, 134.   | 1.4 | 19        |
| 61 | Two Engineered OBPs with opposite temperature-dependent affinities towards 1-aminoanthracene. <i>Scientific Reports</i> , 2018, 8, 14844.  | 1.6 | 8         |
| 62 | Ultrasound-assisted biosynthesis of novel methotrexate-conjugates. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 51-56.   | 3.8 | 16        |
| 63 | Photochromic polypropylene fibers based on UV-responsive silica@phosphomolybdate nanoparticles through melt spinning technology. <i>Chemical Engineering Journal</i> , 2018, 350, 856-866. | 6.6 | 24        |
| 64 | The effect of high-energy environments on the structure of laccase-polymerized poly(catechol). <i>Ultrasonics Sonochemistry</i> , 2018, 48, 275-280.                                       | 3.8 | 23        |
| 65 | Keratin-based particles for protection and restoration of hair properties. <i>International Journal of Cosmetic Science</i> , 2018, 40, 408-419.   | 1.2 | 19        |
| 66 | 1-Aminoanthracene Transduction into Liposomes Driven by Odorant-Binding Protein Proximity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27531-27539.                          | 4.0 | 5         |
| 67 | Eco-friendly and Durable Antibacterial Cotton Fabrics Prepared with Polysulfopropylbetaine. <i>Fibers and Polymers</i> , 2018, 19, 1228-1236.  | 1.1 | 9         |
| 68 | Enzymatic polymerization of catechol under high-pressure homogenization for the green coloration of textiles. <i>Journal of Cleaner Production</i> , 2018, 202, 792-798.                   | 4.6 | 17        |
| 69 | Ultrasound-assisted extraction of hemicellulose and phenolic compounds from bamboo bast fiber powder. <i>PLoS ONE</i> , 2018, 13, e0197537.  | 1.1 | 12        |
| 70 | Hydrophobic functionalization of jute fabrics by enzymatic-assisted grafting of vinyl copolymers. <i>New Journal of Chemistry</i> , 2017, 41, 3773-3780.                                   | 1.4 | 18        |
| 71 | Antioxidant cosmetotextiles: Cotton coating with nanoparticles containing vitamin E. <i>Process Biochemistry</i> , 2017, 59, 46-51.  | 1.8 | 34        |
| 72 | PEGylation Greatly Enhances Laccase Polymerase Activity. <i>ChemCatChem</i> , 2017, 9, 3888-3894.  | 1.8 | 20        |

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|----|--|-----|-----------|
| 73 | Lipase-ultrasound assisted synthesis of polyesters. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 496-502.  | 3.8 | 29        |
| 74 | Ultrasound-assisted swelling of bacterial cellulose. <i>Engineering in Life Sciences</i> , 2017, 17, 1108-1117.  | 2.0 | 21        |
| 75 | Design of protein delivery systems by mimicking extracellular mechanisms for protection of growth factors. <i>Acta Biomaterialia</i> , 2017, 63, 283-293.  | 4.1 | 21        |
| 76 | Oil-based cyclo-oligosaccharide nanodevices for drug encapsulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 259-267.  | 2.5 | 5         |
| 77 | Protein-based nanoformulations for Î±-tocopherol encapsulation. <i>Engineering in Life Sciences</i> , 2017, 17, 523-527.   | 2.0 | 6         |
| 78 | Enzymatic coating of cotton with poly (ethylene glutarate). <i>Process Biochemistry</i> , 2017, 59, 91-96.   | 1.8 | 8         |
| 79 | Jute hydrophobization via laccase-catalyzed grafting of fluorophenol and fluoroamine. <i>RSC Advances</i> , 2016, 6, 90427-90434.  | 1.7 | 12        |
| 80 | The electromagnetic interference shielding performance of continuous carbon fiber composites with different arrangements. <i>Journal of Industrial Textiles</i> , 2016, 46, 45-58.                       | 1.1 | 19        |
| 81 | A biologically active delivery material with dried-rehydrated vesicles containing the anti-inflammatory diclofenac for potential wound healing. <i>Journal of Liposome Research</i> , 2016, 26, 269-275. | 1.5 | 8         |
| 82 | Protein Formulations for Emulsions and Solid-in-Oil Dispersions. <i>Trends in Biotechnology</i> , 2016, 34, 496-505.   | 4.9 | 18        |
| 83 | Cutinase promotes dry esterification of cotton cellulose. <i>Biotechnology Progress</i> , 2016, 32, 60-65.   | 1.3 | 6         |
| 84 | Laccase immobilization on bacterial nanocellulose membranes: Antimicrobial, kinetic and stability properties. <i>Carbohydrate Polymers</i> , 2016, 145, 1-12.  | 5.1 | 90        |
| 85 | Solvents Regulation and Thermodynamic Control the Morphologies of Cu <sub>2</sub> O Nanocrystals. <i>Integrated Ferroelectrics</i> , 2015, 162, 77-84.   | 0.3 | 2         |
| 86 | Xylanase and cellulase aided bioprocessing of bamboo. <i>Engineering in Life Sciences</i> , 2015, 15, 605-611.   | 2.0 | 3         |
| 87 | Antimicrobial lubricant formulations containing poly(hydroxybenzene)-trimethoprim conjugates synthesized by tyrosinase. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4225-4235.             | 1.7 | 0         |
| 88 | Enzymatic synthesis of poly(catechin)-antibiotic conjugates: an antimicrobial approach for indwelling catheters. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 637-651.                      | 1.7 | 16        |
| 89 | Following the enzymatic digestion of chondroitin sulfate by a simple GPC analysis. <i>Analytica Chimica Acta</i> , 2015, 885, 207-213.   | 2.6 | 19        |
| 90 | Enzymatic processing of protein-based fibers. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10387-10397.   | 1.7 | 37        |

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| 91  | Ultrasound enhanced laccase applications. <i>Green Chemistry</i> , 2015, 17, 1362-1374.   | 4.6 | 52        |
| 92  | Enzymatic biofinishes for synthetic textiles. , 2015, , 153-191.  |     | 8         |
| 93  | Stabilization of enzymes in micro-emulsions for ultrasound processes. <i>Biochemical Engineering Journal</i> , 2015, 93, 115-118.   | 1.8 | 12        |
| 94  | Assessment of a Protease Inhibitor Peptide for Anti-Ageing. <i>Protein and Peptide Letters</i> , 2015, 22, 1041-1049.   | 0.4 | 3         |
| 95  | Electrospinning of polyacrylonitrile nanofibers using strain-hardening spinning solutions. <i>Fibers and Polymers</i> , 2014, 15, 2441-2445.  | 1.1 | 3         |
| 96  | Laccase coating of catheters with poly(catechin) for biofilm reduction. <i>Biocatalysis and Biotransformation</i> , 2014, 32, 2-12.   | 1.1 | 12        |
| 97  | Sonochemical and hydrodynamic cavitation reactors for laccase/hydrogen peroxide cotton bleaching. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 774-781.   | 3.8 | 31        |
| 98  | Odorant binding proteins: a biotechnological tool for odour control. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3629-3638.   | 1.7 | 26        |
| 99  | Growth of photoluminescent Ag <sub>2</sub> Se nanowires from a simple precursor solution. <i>CrystEngComm</i> , 2014, 16, 10534-10538.  | 1.3 | 10        |
| 100 | Antimicrobial activity and mechanism of PLA/TP composite nanofibrous films. <i>Journal of the Textile Institute</i> , 2014, 105, 196-202.   | 1.0 | 9         |
| 101 | Tunable nano-carriers from clicked glycosaminoglycan block copolymers. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4177-4184.  | 2.9 | 23        |
| 102 | Quantum dots-hyperbranched polyether hybrid nanospheres towards delivery and real-time detection of nitric oxide. <i>Materials Science and Engineering C</i> , 2014, 45, 37-44.                   | 3.8 | 10        |
| 103 | A novel xylanase from <i>Streptomyces</i> sp. FA1: Purification, characterization, identification, and heterologous expression. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 8-17. | 1.4 | 14        |
| 104 | Design of Novel BSA/Hyaluronic Acid Nanodispersions for Transdermal Pharma Purposes. <i>Molecular Pharmaceutics</i> , 2014, 11, 1479-1488.  | 2.3 | 22        |
| 105 | Ultrasonic pilot-scale reactor for enzymatic bleaching of cotton fabrics. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1535-1543.   | 3.8 | 38        |
| 106 | Evaluation of drug release property and blood compatibility of aspirin-loaded electrospun PLA/RSF composite nanofibers. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 729-737.     | 1.3 | 37        |
| 107 | In vitro and computational studies of transdermal perfusion of nanoformulations containing a large molecular weight protein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 271-278.  | 2.5 | 27        |
| 108 | Functionalization of gauzes with liposomes entrapping an anti-inflammatory drug: A strategy to improve wound healing. <i>Reactive and Functional Polymers</i> , 2013, 73, 1328-1334.              | 2.0 | 26        |

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|-----|---|-----|-----------|
| 109 | Decolourization of paprika dye effluent with hydrogen peroxide produced by glucose oxidase. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 255-259.          | 1.1 | 1         |
| 110 | Molecular recognition of esterase plays a major role on the removal of fatty soils during detergency. <i>Journal of Biotechnology</i> , 2012, 161, 228-234.         | 1.9 | 6         |
| 111 | Bio-processing of bamboo fibres for textile applications: a mini review. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 141-153.                             | 1.1 | 29        |
| 112 | Enzymatic colouration with laccase and peroxidases: Recent progress. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 125-140.                                 | 1.1 | 30        |
| 113 | Bamboo fibre processing: insights into hemicellulase and cellulase substrate accessibility. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 27-37.            | 1.1 | 15        |
| 114 | Engineered <i>Thermobifida fusca</i> cutinase with increased activity on polyester substrates. <i>Biotechnology Journal</i> , 2011, 6, 1230-1239.                   | 1.8 | 127       |
| 115 | Changes in the bacterial community structure and diversity during bamboo retting. <i>Biotechnology Journal</i> , 2011, 6, 1262-1271.                                | 1.8 | 10        |
| 116 | In situ laccase-assisted overdyeing of denim using flavonoids. <i>Biotechnology Journal</i> , 2011, 6, 1272-1279.   | 1.8 | 24        |
| 117 | Polyoxometalate/laccase-mediated oxidative polymerization of catechol for textile dyeing. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 981-987.        | 1.7 | 44        |
| 118 | Antimicrobial and antioxidant linen via laccase-assisted grafting. <i>Reactive and Functional Polymers</i> , 2011, 71, 713-720.                                     | 2.0 | 66        |
| 119 | Attaching Different Kinds of Proteinaceous Nanospheres to a Variety of Fabrics Using Ultrasound Radiation. <i>Israel Journal of Chemistry</i> , 2010, 50, 524-529.  | 1.0 | 12        |
| 120 | Polymerization of lignosulfonates by the laccase-HBT (1-hydroxybenzotriazole) system improves dispersibility. <i>Bioresource Technology</i> , 2010, 101, 5054-5062. | 4.8 | 112       |
| 121 | Enzymatic hydrolysis and modification of core polymer fibres for textile and other applications. , 2010, , 77-97.   |     | 9         |
| 122 | Characterisation of enzymatically oxidised lignosulfonates and their application on lignocellulosic fabrics. <i>Polymer International</i> , 2009, 58, 863-868.      | 1.6 | 33        |
| 123 | Proteolytic Enzyme Engineering: A Tool for Wool. <i>Biomacromolecules</i> , 2009, 10, 1655-1661.  | 2.6 | 34        |
| 124 | Preliminary research on bamboo degumming with xylanase. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 450-454.  | 1.1 | 13        |
| 125 | Biotransformations in synthetic fibres. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 350-356.  | 1.1 | 20        |
| 126 | Tailoring cutinase activity towards polyethylene terephthalate and polyamide 6,6 fibers. <i>Journal of Biotechnology</i> , 2007, 128, 849-857.                      | 1.9 | 161       |



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|-----|---|-----|-----------|
| 127 | Influence of mechanical agitation on cutinases and protease activity towards polyamide substrates. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1678-1685.  | 1.6 | 56        |
| 128 | Laccase immobilization on enzymatically functionalized polyamide 6,6 fibres. <i>Enzyme and Microbial Technology</i> , 2007, 41, 867-875.                          | 1.6 | 76        |
| 129 | Cutinase?A new tool for biomodification of synthetic fibers. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2448-2450.                                      | 2.5 | 106       |
| 130 | Influence of organic solvents on cutinase stability and accessibility to polyamide fibers. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2749-2753.        | 2.5 | 32        |
| 131 | Monitoring biotransformations in polyamide fibres. <i>Biocatalysis and Biotransformation</i> , 2004, 22, 357-360.   | 1.1 | 35        |
| 132 | The comfort properties of cosmeto-textiles functionalized with protein-based nanoemulsions encapsulating Vitamin-E. <i>Journal of Natural Fibers</i> , 0, , 1-13. | 1.7 | 2         |
| 133 | Hair Styling Based on Eutectic Formulations with Peptides. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .  | 3.2 | 0         |