Artur Cavaco-Paulo

List of Publications by Year
in descending order

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357 papers	13,816 citations	23567 58 h-index	36028 97 g-index

371 all docs	371 docs citations	371 times ranked	12182 citing authors

#	Article	IF	Citations
1	Decolorization and Detoxification of Textile Dyes with a Laccase from Trametes hirsuta. Applied and Environmental Microbiology, 2000, 66, 3357-3362.	3.1	644
2	Design of liposomes as drug delivery system for therapeutic applications. International Journal of Pharmaceutics, 2021, 601, 120571.	5.2	406
3	Biodegradable Materials Based on Silk Fibroin and Keratin. Biomacromolecules, 2008, 9, 1299-1305.	5.4	332
4	Enzymatic Surface Hydrolysis of PET: Effect of Structural Diversity on Kinetic Properties of Cutinases from Thermobifida. Macromolecules, 2011, 44, 4632-4640.	4.8	298
5	Indigo degradation with purified laccases from Trametes hirsuta and Sclerotium rolfsii. Journal of Biotechnology, 2001, 89, 131-139.	3.8	227
6	Application of enzymes for textile fibres processing. Biocatalysis and Biotransformation, 2008, 26, 332-349.	2.0	220
7	Novel silk fibroin/elastin wound dressings. Acta Biomaterialia, 2012, 8, 3049-3060.	8.3	213
8	A New Alkali-Thermostable Azoreductase from Bacillus sp. Strain SF. Applied and Environmental Microbiology, 2004, 70, 837-844.	3.1	210
9	Mechanism of cellulase action in textile processes. Carbohydrate Polymers, 1998, 37, 273-277.	10.2	185
10	Enzymes go big: surface hydrolysis and functionalisation of synthetic polymers. Trends in Biotechnology, 2008, 26, 32-38.	9.3	183
11	Enzymatic surface hydrolysis of poly(ethylene terephthalate) and bis(benzoyloxyethyl) terephthalate by lipase and cutinase in the presence of surface active molecules. Journal of Biotechnology, 2009, 143, 207-212.	3.8	183
12	Tailoring cutinase activity towards polyethylene terephthalate and polyamide 6,6 fibers. Journal of Biotechnology, 2007, 128, 849-857.	3.8	161
13	Bio-preparation of cotton fabrics. Enzyme and Microbial Technology, 2001, 29, 357-362.	3.2	157
14	Practical insights on enzyme stabilization. Critical Reviews in Biotechnology, 2018, 38, 335-350.	9.0	152
15	Degradation of Azo Dyes by Trametes villosa Laccase over Long Periods of Oxidative Conditions. Applied and Environmental Microbiology, 2005, 71, 6711-6718.	3.1	151
16	Albumin-Based Nanodevices as Drug Carriers. Current Pharmaceutical Design, 2016, 22, 1371-1390.	1.9	134
17	Laccase: a green catalyst for the biosynthesis of poly-phenols. Critical Reviews in Biotechnology, 2018, 38, 294-307.	9.0	134
18	Characterization of Azo Reduction Activity in a Novel Ascomycete Yeast Strain. Applied and Environmental Microbiology, 2004, 70, 2279-2288.	3.1	133

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19	Immobilized laccase for decolourization of Reactive Black 5 dyeing effluent. Biotechnology Letters, 2003, 25, 1473-1477.	2.2	131
20	Engineered Thermobifida fusca cutinase with increased activity on polyester substrates. Biotechnology Journal, 2011, 6, 1230-1239.	3.5	127
21	Design of liposomal formulations for cell targeting. Colloids and Surfaces B: Biointerfaces, 2015, 136, 514-526.	5.0	126
22	New model substrates for enzymes hydrolysing polyethyleneterephthalate and polyamide fibres. Journal of Proteomics, 2006, 69, 89-99.	2.4	125
23	Hydrogen peroxide generation with immobilized glucose oxidase for textile bleaching. Journal of Biotechnology, 2002, 93, 87-94.	3.8	124
24	Microaerophilicâ€“aerobic sequential decolourization/biodegradation of textile azo dyes by a facultative Klebsiella sp. strain VN-31. Process Biochemistry, 2009, 44, 446-452.	3.7	113
25	Polymerization of lignosulfonates by the laccase-HBT (1-hydroxybenzotriazole) system improves dispersibility. Bioresource Technology, 2010, 101, 5054-5062.	9.6	112
26	Folate-targeted nanoparticles for rheumatoid arthritis therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1113-1126.	3.3	112
27	Voltammetric monitoring of laccase-catalysed mediated reactions. Bioelectrochemistry, 2002, 58, 149-156.	4.6	110
28	Protein micro- and nano-capsules for biomedical applications. Chemical Society Reviews, 2014, 43, 1361-1371.	38.1	110
29	Therapeutic<scp>l</scp>-asparaginase: upstream, downstream and beyond. Critical Reviews in Biotechnology, 2017, 37, 82-99.	9.0	109
30	Cutinase?A new tool for biomodification of synthetic fibers. Journal of Polymer Science Part A, 2005, 43, 2448-2450.	2.3	106
31	Immobilization of catalases from Bacillus SF on alumina for the treatment of textile bleaching effluents. Enzyme and Microbial Technology, 2001, 28, 815-819.	3.2	105
32	An acid-stable laccase from Sclerotium rolfsii with potential for wool dye decolourization. Enzyme and Microbial Technology, 2003, 33, 766-774.	3.2	104
33	Immobilization of proteases with a water solubleâ€“insoluble reversible polymer for treatment of wool. Enzyme and Microbial Technology, 2006, 39, 634-640.	3.2	103
34	Hydrolysis of PET and bis-(benzoyloxyethyl) terephthalate with a new polyesterase fromPenicillium citrinum. Biocatalysis and Biotransformation, 2007, 25, 171-177.	2.0	103
35	Combined ultrasound-laccase assisted bleaching of cotton. Ultrasonics Sonochemistry, 2007, 14, 350-354.	8.2	101
36	Wound dressings for a proteolytic-rich environment. Applied Microbiology and Biotechnology, 2011, 90, 445-460.	3.6	96

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37	Effect of ultrasound parameters for unilamellar liposome preparation. Ultrasonics Sonochemistry, 2010, 17, 628-632.	8.2	91
38	Enzymatic Decolorization of Textile Dyeing Effluents. Textile Reseach Journal, 2000, 70, 409-414.	2.2	90
39	New enzymes with potential for PET surface modification. Biocatalysis and Biotransformation, 2004, 22, 341-346.	2.0	90
40	The Use of Keratin in Biomedical Applications. Current Drug Targets, 2013, 14, 612-619.	2.1	90
41	Stability and decolourization ability of Trametes villosa laccase in liquid ultrasonic fields. Ultrasonics Sonochemistry, 2007, 14, 355-362.	8.2	88
42	Laccases to Improve the Whiteness in a Conventional Bleaching of Cotton. Macromolecular Materials and Engineering, 2003, 288, 807-810.	3.6	84
43	Development and industrialisation of enzymatic shrink-resist process based on modified proteases for wool machine washability. Enzyme and Microbial Technology, 2007, 40, 1656-1661.	3.2	84
44	Effects of Agitation and Endoglucanase Pretreatment on the Hydrolysis of Cotton Fabrics by a Total Cellulase. Textile Reseach Journal, 1996, 66, 287-294.	2.2	81
45	Treatment of wool fibres with subtilisin and subtilisin-PEG. Enzyme and Microbial Technology, 2005, 36, 917-922.	3.2	81
46	Chitosanâ€“lignosulfonates sono-chemically prepared nanoparticles: Characterisation and potential applications. Colloids and Surfaces B: Biointerfaces, 2013, 103, 1-8.	5.0	81
47	Influence of structure on dye degradation with laccase mediator systems. Biocatalysis and Biotransformation, 2004, 22, 315-324.	2.0	80
48	Studies of stabilization of native catalase using additives. Enzyme and Microbial Technology, 2002, 30, 387-391.	3.2	79
49	Folic acid-functionalized human serum albumin nanocapsules for targeted drug delivery to chronically activated macrophages. International Journal of Pharmaceutics, 2012, 427, 460-466.	5.2	77
50	Predicting Dye Biodegradation from Redox Potentials. Biotechnology Progress, 2004, 20, 1588-1592.	2.6	76
51	Laccase immobilization on enzymatically functionalized polyamide 6,6 fibres. Enzyme and Microbial Technology, 2007, 41, 867-875.	3.2	76
52	Indigo Backstaining During Cellulase Washing. Textile Reseach Journal, 1998, 68, 398-401.	2.2	75
53	Environmentally friendly bleaching of cotton using laccases. Environmental Chemistry Letters, 2005, 3, 66-69.	16.2	74
54	Biotransformation of phenolics with laccase containing bacterial spores. Environmental Chemistry Letters, 2005, 3, 74-77.	16.2	71

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55	Nitrile Hydratase and Amidase from Rhodococcus rhodochrous Hydrolyze Acrylic Fibers and Granular Polyacrylonitriles. Applied and Environmental Microbiology, 2000, 66, 1634-1638.	3.1	70
56	A novel metalloprotease from Bacillus cereus for protein fibre processing. Enzyme and Microbial Technology, 2007, 40, 1772-1781.	3.2	66
57	Antimicrobial and antioxidant linen via laccase-assisted grafting. Reactive and Functional Polymers, 2011, 71, 713-720.	4.1	66
58	Thermo-alkali-stable catalases from newly isolated Bacillus sp. for the treatment and recycling of textile bleaching effluents. Journal of Biotechnology, 2001, 89, 147-153.	3.8	64
59	Effect of ultrasound on protein functionality. Ultrasonics Sonochemistry, 2021, 76, 105653.	8.2	64
60	Enzymatic hydrolysis of PTT polymers and oligomers. Journal of Biotechnology, 2008, 135, 45-51.	3.8	63
61	Effects of agitation level on the adsorption, desorption, and activities on cotton fabrics of full length and core domains of EGV (Humicola insolens) and CenA (Cellulomonas fimi). Enzyme and Microbial Technology, 2000, 27, 325-329.	3.2	60
62	Influence of mechanical agitation on cutinases and protease activity towards polyamide substrates. Enzyme and Microbial Technology, 2007, 40, 1678-1685.	3.2	56
63	Enhancing Methotrexate Tolerance with Folate Tagged Liposomes in Arthritic Mice. Journal of Biomedical Nanotechnology, 2015, 11, 2243-2252.	1.1	56
64	Laccases for enzymatic colouration of unbleached cotton. Enzyme and Microbial Technology, 2007, 40, 1788-1793.	3.2	55
65	Ultrasound intensification suppresses the need of methanol excess during the biodiesel production with Lipozyme TL-IM. Ultrasonics Sonochemistry, 2015, 27, 530-535.	8.2	55
66	Laccase-catalysed proteinâ€“flavonoid conjugates for flax fibre modification. Applied Microbiology and Biotechnology, 2012, 93, 585-600.	3.6	54
67	Hydrolysis of Cotton Cellulose by Engineered Cellulases from Trichoderma reesei. Textile Reseach Journal, 1998, 68, 273-280.	2.2	52
68	Polymerization study of the aromatic amines generated by the biodegradation of azo dyes using the laccase enzyme. Enzyme and Microbial Technology, 2010, 46, 360-365.	3.2	52
69	Ultrasound enhanced laccase applications. Green Chemistry, 2015, 17, 1362-1374.	9.0	52
70	Human Hair and the Impact of Cosmetic Procedures: A Review on Cleansing and Shape-Modulating Cosmetics. Cosmetics, 2016, 3, 26.	3.3	52
71	Effects of temperature on the cellulose binding ability of cellulase enzymes. Journal of Molecular Catalysis B: Enzymatic, 1999, 7, 233-239.	1.8	51
72	Effect of Some Process Parameters in Enzymatic Dyeing of Wool. Applied Biochemistry and Biotechnology, 2003, 111, 1-14.	2.9	51

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73	Synthesis and characterization of starch-poly(methyl acrylate) graft copolymers using horseradish peroxidase. Carbohydrate Polymers, 2016, 136, 1010-1016.	10.2	51
74	A catalase-peroxidase from a newly isolated thermoalkaliphilic Bacillus sp. with potential for the treatment of textile bleaching effluents. Extremophiles, 2001, 5, 423-429.	2.3	50
75	Laccase-catalyzed decolorization of the synthetic azo-dye diamond black PV 200 and of some structurally related derivatives. Biocatalysis and Biotransformation, 2004, 22, 331-339.	2.0	50
76	Biological Coloration of Flax Fabrics with Flavonoids using Laccase fromTrametes hirsuta. Engineering in Life Sciences, 2008, 8, 324-330.	3.6	50
77	â€œIn Situâ€•Enzymatically Prepared Polymers for Wool Coloration. Macromolecular Materials and Engineering, 2001, 286, 691.	3.6	49
78	Effect of the agitation on the adsorption and hydrolytic efficiency of cutinases on polyethylene terephthalate fibres. Enzyme and Microbial Technology, 2007, 40, 1801-1805.	3.2	48
79	Expression system of CotAâ€laccase for directed evolution and highâ€throughput screenings for the oxidation of highâ€redox potential dyes. Biotechnology Journal, 2009, 4, 558-563.	3.5	48
80	Cellulase Hydrolysis of Cotton Cellulose: The Effects of Mechanical Action, Enzyme Concentration and Dyed Substrates. Biocatalysis, 1994, 10, 353-360.	0.9	47
81	Keratins and lipids in ethnic hair. International Journal of Cosmetic Science, 2013, 35, 244-249.	2.6	47
82	On the Routines of Wild-Type Silk Fibroin Processing Toward Silk-Inspired Materials: A Review. Macromolecular Materials and Engineering, 2015, 300, 1199-1216.	3.6	47
83	Azo Reductase Activity of Intact Saccharomyces cerevisiae Cells Is Dependent on the Fre1p Component of Plasma Membrane Ferric Reductase. Applied and Environmental Microbiology, 2005, 71, 3882-3888.	3.1	46
84	A novel aryl acylamidase from Nocardia farcinica hydrolyses polyamide. Biotechnology and Bioengineering, 2009, 102, 1003-1011.	3.3	46
85	Characterization of Thermobifida fusca Cutinase-Carbohydrate-Binding Module Fusion Proteins and Their Potential Application in Bioscouring. Applied and Environmental Microbiology, 2010, 76, 6870-6876.	3.1	46
86	Sonoproduction of Liposomes and Protein Particles as Templates for Delivery Purposes. Biomacromolecules, 2011, 12, 3353-3368.	5.4	46
87	Enzymatic polymerization on the surface of functionalized cellulose fibers. Enzyme and Microbial Technology, 2007, 40, 1782-1787.	3.2	45
88	Protective Effect of Saccharides on Freeze-Dried Liposomes Encapsulating Drugs. Frontiers in Bioengineering and Biotechnology, 2019, 7, 424.	4.1	45
89	An immobilised catalase peroxidase from the alkalothermophilic Bacillus SF for the treatment of textile-bleaching effluents. Applied Microbiology and Biotechnology, 2002, 60, 313-319.	3.6	44
90	Polyoxometalate/laccase-mediated oxidative polymerization of catechol for textile dyeing. Applied Microbiology and Biotechnology, 2011, 89, 981-987.	3.6	44

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91	Fluorescent quantification of melanin. Pigment Cell and Melanoma Research, 2016, 29, 707-712.	3.3	44
92	Ultrasound enhances lipase-catalyzed synthesis of poly (ethylene glutarate). Ultrasonics Sonochemistry, 2016, 31, 506-511.	8.2	44
93	Influence of Cellulases on Indigo Backstaining. Textile Reseach Journal, 2000, 70, 628-632.	2.2	43
94	Enzymatic removal of cellulose from cotton/polyester fabric blends. Cellulose, 2006, 13, 611-618.	4.9	43
95	Hydrophobic surface functionalization of lignocellulosic jute fabrics by enzymatic grafting of octadecylamine. International Journal of Biological Macromolecules, 2015, 79, 353-362.	7.5	42
96	Optimisation of a serine protease coupling to Eudragit S-100 by experimental design techniques. Journal of Chemical Technology and Biotechnology, 2006, 81, 8-16.	3.2	41
97	Laccase kinetics of degradation and coupling reactions. Journal of Molecular Catalysis B: Enzymatic, 2005, 33, 23-28.	1.8	40
98	Surface hydrolysis of polyacrylonitrile with nitrile hydrolysing enzymes from Micrococcus luteus BST20. Journal of Biotechnology, 2007, 129, 62-68.	3.8	40
99	Insights on the Mechanism of Formation of Protein Microspheres in a Biphasic System. Molecular Pharmaceutics, 2012, 9, 3079-3088.	4.6	40
100	Enzymatic Treatment of Lyocellâ€"Clarification of Depilling Mechanisms. Textile Reseach Journal, 2000, 70, 696-699.	2.2	39
101	Fab antibody fragment-functionalized liposomes for specific targeting of antigen-positive cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 123-130.	3.3	39
102	Extracellular Purine Metabolism Is the Switchboard of Immunosuppressive Macrophages and a Novel Target to Treat Diseases With Macrophage Imbalances. Frontiers in Immunology, 2018, 9, 852.	4.8	39
103	Purification and mechanistic characterisation of two polygalacturonases from Sclerotium rolfsii. Enzyme and Microbial Technology, 2007, 40, 1739-1747.	3.2	38
104	Ultrasonic pilot-scale reactor for enzymatic bleaching of cotton fabrics. Ultrasonics Sonochemistry, 2014, 21, 1535-1543.	8.2	38
105	Changing the shape of hair with keratin peptides. RSC Advances, 2017, 7, 51581-51592.	3.6	38
106	Indigo-Cellulase Interactions. Textile Reseach Journal, 2000, 70, 532-536.	2.2	37
107	Enzymatic processing of protein-based fibers. Applied Microbiology and Biotechnology, 2015, 99, 10387-10397.	3.6	37
108	Dyeing in catalase-treated bleaching baths. Coloration Technology, 2001, 117, 1-5.	1.5	36

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109	Implementation of batchwise bioscouring of cotton knits. Biocatalysis and Biotransformation, 2004, 22, 375-382.	2.0	36
110	Biotechnology in the textile industryâ€"perspectives for the new millennium. Journal of Biotechnology, 2001, 89, 89-90.	3.8	35
111	Monitoring biotransformations in polyamide fibres. Biocatalysis and Biotransformation, 2004, 22, 357-360.	2.0	35
112	Enzymatic reduction and oxidation of fibre-bound azo-dyes. Enzyme and Microbial Technology, 2007, 40, 1732-1738.	3.2	35
113	Enzymatic reduction of azo and indigoid compounds. Applied Microbiology and Biotechnology, 2007, 77, 321-327.	3.6	35
114	Encapsulation of RNA Molecules in BSA Microspheres and Internalization into Trypanosoma Brucei Parasites and Human U2OS Cancer Cells. Advanced Functional Materials, 2011, 21, 3659-3666.	14.9	35
115	New Enzyme-based Process Direction to Prevent Wool Shrinking without Substantial Tensile Strength Loss. Biotechnology Letters, 2006, 28, 711-716.	2.2	34
116	Proteolytic Enzyme Engineering: A Tool for Wool. Biomacromolecules, 2009, 10, 1655-1661.	5.4	34
117	Fragrance release profile from sonochemically prepared protein microsphere containers. Ultrasonics Sonochemistry, 2012, 19, 858-863.	8.2	34
118	Peptide Anchor for Folate-Targeted Liposomal Delivery. Biomacromolecules, 2015, 16, 2904-2910.	5.4	34
119	Antioxidant cosmetotextiles: Cotton coating with nanoparticles containing vitamin E. Process Biochemistry, 2017, 59, 46-51.	3.7	34
120	Monitoring biotransformations in polyesters. Biocatalysis and Biotransformation, 2004, 22, 353-356.	2.0	33
121	Using a nitrilase for the surface modification of acrylic fibres. Biotechnology Journal, 2007, 2, 353-360.	3.5	33
122	The effect of cellulase treatment in textile washing processes. Coloration Technology, 2008, 113, 218-222.	0.1	33
123	Characterisation of enzymatically oxidised lignosulfonates and their application on lignocellulosic fabrics. Polymer International, 2009, 58, 863-868.	3.1	33
124	Folic acid-tagged protein nanoemulsions loaded with CORM-2 enhance the survival of mice bearing subcutaneous A20 lymphoma tumors. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1077-1083.	3.3	33
125	Preparation and rheological properties of starch- g -poly(butyl acrylate) catalyzed by horseradish peroxidase. Process Biochemistry, 2017, 59, 104-110.	3.7	33
126	Influence of organic solvents on cutinase stability and accessibility to polyamide fibers. Journal of Polymer Science Part A, 2005, 43, 2749-2753.	2.3	32

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127	Interactions of cotton with CBD peptides. Enzyme and Microbial Technology, 1999, 25, 639-643.	3.2	31
128	Recycling of textile bleaching effluents for dyeing using immobilized catalase. Biotechnology Letters, 2002, 24, 173-176.	2.2	31
129	Protein Matrices for Improved Wound Healing: Elastase Inhibition by a Synthetic Peptide Model. Biomacromolecules, 2010, 11, 2213-2220.	5.4	31
130	Sonochemical and hydrodynamic cavitation reactors for laccase/hydrogen peroxide cotton bleaching. Ultrasonics Sonochemistry, 2014, 21, 774-781.	8.2	31
131	Enzymatic colouration with laccase and peroxidases: Recent progress. Biocatalysis and Biotransformation, 2012, 30, 125-140.	2.0	30
132	Protein microspheres as suitable devices for piroxicam release. Colloids and Surfaces B: Biointerfaces, 2012, 92, 277-285.	5.0	30
133	Catalysis and processing. , 2003, , 86-119.		29
134	Bio-processing of bamboo fibres for textile applications: a mini review. Biocatalysis and Biotransformation, 2012, 30, 141-153.	2.0	29
135	Sonochemical Coating of Cotton and Polyester Fabrics with â€œAntibacterialâ€•BSA and Casein Spheres. Chemistry - A European Journal, 2012, 18, 365-369.	3.3	29
136	Development of Elastin-Like Recombinamer Films with Antimicrobial Activity. Biomacromolecules, 2015, 16, 625-635.	5.4	29
137	Lipase-ultrasound assisted synthesis of polyesters. Ultrasonics Sonochemistry, 2017, 38, 496-502.	8.2	29
138	In vitro and computational studies of transdermal perfusion of nanoformulations containing a large molecular weight protein. Colloids and Surfaces B: Biointerfaces, 2013, 108, 271-278.	5.0	27
139	HRP-mediated polyacrylamide graft modification of raw jute fabric. Journal of Molecular Catalysis B: Enzymatic, 2015, 116, 29-38.	1.8	27
140	Detection of human neutrophil elastase (HNE) on wound dressings as marker of inflammation. Applied Microbiology and Biotechnology, 2017, 101, 1443-1454.	3.6	27
141	Silk-based biomaterials functionalized with fibronectin type II promotes cell adhesion. Acta Biomaterialia, 2017, 47, 50-59.	8.3	27
142	Antimicrobial coating of textiles by laccase in situ polymerization of catechol and p-phenylenediamine. Reactive and Functional Polymers, 2019, 136, 25-33.	4.1	27
143	Processing Textile Fibers with Enzymes: An Overview. ACS Symposium Series, 1998, , 180-189.	0.5	26
144	Surface modification of polyacrylonitrile with nitrile hydratase and amidase fromAgrobacterium tumefaciens. Biocatalysis and Biotransformation, 2006, 24, 419-425.	2.0	26

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145	Restricting detergent protease action to surface of protein fibres by chemical modification. Applied Microbiology and Biotechnology, 2006, 72, 738-744.	3.6	26
146	Protein disulphide isomerase-mediated grafting of cysteine-containing peptides onto over-bleached hair. Biocatalysis and Biotransformation, 2012, 30, 10-19.	2.0	26
147	Functionalization of gauzes with liposomes entrapping an anti-inflammatory drug: A strategy to improve wound healing. Reactive and Functional Polymers, 2013, 73, 1328-1334.	4.1	26
148	Liposome and protein based stealth nanoparticles. Faraday Discussions, 2013, 166, 417.	3.2	26
149	Odorant binding proteins: a biotechnological tool for odour control. Applied Microbiology and Biotechnology, 2014, 98, 3629-3638.	3.6	26
150	Conductive Cotton Prepared by Polyaniline In Situ Polymerization Using Laccase. Applied Biochemistry and Biotechnology, 2014, 174, 820-831.	2.9	26
151	Size controlled protein nanoemulsions for active targeting of folate receptor positive cells. Colloids and Surfaces B: Biointerfaces, 2015, 135, 90-98.	5.0	26
152	Bio-coloration of bacterial cellulose assisted by immobilized laccase. AMB Express, 2018, 8, 19.	3.0	26
153	Indigo Degradation with Laccases from Polyporus sp. and Sclerotium rolfsii. Textile Reseach Journal, 2001, 71, 420-424.	2.2	25
154	Neutral PEGylated liposomal formulation for efficient folate-mediated delivery of MCL1 siRNA to activated macrophages. Colloids and Surfaces B: Biointerfaces, 2017, 155, 459-465.	5.0	25
155	Incorporation of peptides in phospholipid aggregates using ultrasound. Ultrasonics Sonochemistry, 2008, 15, 1026-1032.	8.2	24
156	In situ laccaseâ€assisted overdyeing of denim using flavonoids. Biotechnology Journal, 2011, 6, 1272-1279.	3.5	24
157	Enzymatic surface hydrolysis of PET enhances bonding in PVC coating. Biocatalysis and Biotransformation, 2008, 26, 365-370.	2.0	23
158	Modulating antioxidant activity and the controlled release capability of laccase mediated catechin grafting of chitosan. Process Biochemistry, 2017, 59, 65-76.	3.7	23
159	The effect of high-energy environments on the structure of laccase-polymerized poly(catechol). Ultrasonics Sonochemistry, 2018, 48, 275-280.	8.2	23
160	Electrostatics of Tau Protein by Molecular Dynamics. Biomolecules, 2019, 9, 116.	4.0	23
161	Kinetic Parameters Measured during Cellulase Processing of Cotton. Journal of the Textile Institute, 1996, 87, 227-233.	1.9	22
162	Phosphorylation of Cotton Cellulose with Baker's Yeast Hexokinase. Macromolecular Rapid Communications, 2002, 23, 962-964.	3.9	22

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163	The effect of additives and mechanical agitation in surface modification of acrylic fibres by cutinase and esterase. Biotechnology Journal, 2006, 1, 842-849.	3.5	22
164	Design of Novel BSA/Hyaluronic Acid Nanodispersions for Transdermal Pharma Purposes. Molecular Pharmaceutics, 2014, 11, 1479-1488.	4.6	22
165	Ultrasound-assisted lipase catalyzed hydrolysis of aspirin methyl ester. Ultrasonics Sonochemistry, 2018, 40, 587-593.	8.2	22
166	Zein impart hydrophobic and antimicrobial properties to cotton textiles. Reactive and Functional Polymers, 2020, 154, 104664.	4.1	22
167	Polyoxometalates as mediators in the laccase catalyzed delignification. Journal of Molecular Catalysis B: Enzymatic, 2001, 16, 131-140.	1.8	21
168	Surface hydrolysis of polyamide with a new polyamidase fromBeauveriabrongniartii. Biocatalysis and Biotransformation, 2008, 26, 371-377.	2.0	21
169	Microspheres of Mixed Proteins. Chemistry - A European Journal, 2010, 16, 2108-2114.	3.3	21
170	Functionalization of cellulose acetate fibers with engineered cutinases. Biotechnology Progress, 2010, 26, 636-643.	2.6	21
171	Keratinâ€based peptide: biological evaluation and strengthening properties on relaxed hair. International Journal of Cosmetic Science, 2012, 34, 338-346.	2.6	21
172	Jute/polypropylene composites: Effect of enzymatic modification on thermo-mechanical and dynamic mechanical properties. Fibers and Polymers, 2015, 16, 2276-2283.	2.1	21
173	Ultrasoundâ€assisted swelling of bacterial cellulose. Engineering in Life Sciences, 2017, 17, 1108-1117.	3.6	21
174	Ultrasound-Assisted Encapsulation of Sacha Inchi (Plukenetia volubilis Linneo.) Oil in Alginate-Chitosan Nanoparticles. Polymers, 2019, 11, 1245.	4.5	21
175	Quantification of drugs encapsulated in liposomes by 1H NMR. Colloids and Surfaces B: Biointerfaces, 2019, 179, 414-420.	5.0	21
176	Increased Encapsulation Efficiency of Methotrexate in Liposomes for Rheumatoid Arthritis Therapy. Biomedicines, 2020, 8, 630.	3.2	21
177	Ohmic heating as an innovative approach for the production of keratin films. International Journal of Biological Macromolecules, 2020, 150, 671-680.	7.5	21
178	Biotransformations in synthetic fibres. Biocatalysis and Biotransformation, 2008, 26, 350-356.	2.0	20
179	PEGylation Greatly Enhances Laccase Polymerase Activity. ChemCatChem, 2017, 9, 3888-3894.	3.7	20
180	Polymeric Electrospun Fibrous Dressings for Topical Co-delivery of Acyclovir and Omega-3 Fatty Acids. Frontiers in Bioengineering and Biotechnology, 2019, 7, 390.	4.1	20

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181	Stratum corneum lipid matrix with unusual packing: A molecular dynamics study. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110928.	5.0	20
182	Green Extraction of Cork Bioactive Compounds Using Natural Deep Eutectic Mixtures. ACS Sustainable Chemistry and Engineering, 2022, 10, 7974-7989.	6.7	20
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