Artur Cavaco-Paulo

List of Publications by Citations

346 papers	10,890 citations	57 h-index	87 g-index
371 ext. papers	12,229 ext. citations	4.9 avg, IF	6.47 L-index

#	Paper	IF	Citations
346	Decolorization and detoxification of textile dyes with a laccase from Trametes hirsuta. *Applied and Environmental Microbiology*, **2000**, 66, 3357-62	4.8	579
345	Biodegradable materials based on silk fibroin and keratin. *Biomacromolecules*, **2008**, 9, 1299-305	6.9	281
344	Enzymatic Surface Hydrolysis of PET: Effect of Structural Diversity on Kinetic Properties of Cutinases from Thermobifida. *Macromolecules*, **2011**, 44, 4632-4640	5.5	205
343	Indigo degradation with purified laccases from Trametes hirsuta and Sclerotium rolfsii. *Journal of Biotechnology*, **2001**, 89, 131-9	3.7	194
342	Application of enzymes for textile fibres processing. *Biocatalysis and Biotransformation*, **2008**, 26, 332-349	2.5	188
341	Novel silk fibroin/elastin wound dressings. *Acta Biomaterialia*, **2012**, 8, 3049-60	10.8	185
340	A new alkali-thermostable azoreductase from Bacillus sp. strain SF. *Applied and Environmental Microbiology*, **2004**, 70, 837-44	4.8	177
339	Mechanism of cellulase action in textile processes. *Carbohydrate Polymers*, **1998**, 37, 273-277	10.3	162
338	Enzymes go big: surface hydrolysis and functionalization of synthetic polymers. *Trends in Biotechnology*, **2008**, 26, 32-8	15.1	162
337	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, 207-12	3.7	141
336	Tailoring cutinase activity towards polyethylene terephthalate and polyamide 6,6 fibers. *Journal of Biotechnology*, **2007**, 128, 849-57	3.7	135
335	Bio-preparation of cotton fabrics. *Enzyme and Microbial Technology*, **2001**, 29, 357-362	3.8	127
334	Degradation of azo dyes by Trametes villosa laccase over long periods of oxidative conditions. *Applied and Environmental Microbiology*, **2005**, 71, 6711-8	4.8	125
333	Characterization of azo reduction activity in a novel ascomycete yeast strain. *Applied and Environmental Microbiology*, **2004**, 70, 2279-88	4.8	116
332	Immobilized laccase for decolourization of Reactive Black 5 dyeing effluent. *Biotechnology Letters*, **2003**, 25, 1473-7	3	112
331	Hydrogen peroxide generation with immobilized glucose oxidase for textile bleaching. *Journal of Biotechnology*, **2002**, 93, 87-94	3.7	110
330	Practical insights on enzyme stabilization. *Critical Reviews in Biotechnology*, **2018**, 38, 335-350	9.4	110

329	New model substrates for enzymes hydrolysing polyethyleneterephthalate and polyamide fibres. *Journal of Proteomics*, **2006**, 69, 89-99		108
328	Voltammetric monitoring of laccase-catalysed mediated reactions. *Bioelectrochemistry*, **2002**, 58, 149-56	5.6	99
327	Immobilization of catalases from Bacillus SF on alumina for the treatment of textile bleaching effluents. *Enzyme and Microbial Technology*, **2001**, 28, 815-819	3.8	98
326	Microaerophilic–aerobic sequential decolourization/biodegradation of textile azo dyes by a facultative Klebsiella sp. strain VN-31. *Process Biochemistry*, **2009**, 44, 446-452	4.8	95
325	Immobilization of proteases with a water soluble–insoluble reversible polymer for treatment of wool. *Enzyme and Microbial Technology*, **2006**, 39, 634-640	3.8	93
324	An acid-stable laccase from Sclerotium rolfsii with potential for wool dye decolourization. *Enzyme and Microbial Technology*, **2003**, 33, 766-774	3.8	93
323	Design of liposomal formulations for cell targeting. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 514-26		91
322	Protein micro- and nano-capsules for biomedical applications. *Chemical Society Reviews*, **2014**, 43, 1361-75	38.5	90
321	Engineered Thermobifida fusca cutinase with increased activity on polyester substrates. *Biotechnology Journal*, **2011**, 6, 1230-9	5.6	90
320	Combined ultrasound-laccase assisted bleaching of cotton. *Ultrasonics Sonochemistry*, **2007**, 14, 350-4	8.9	87
319	Polymerization of lignosulfonates by the laccase-HBT (1-hydroxybenzotriazole) system improves dispersibility. *Bioresource Technology*, **2010**, 101, 5054-62	11	85
318	Folate-targeted nanoparticles for rheumatoid arthritis therapy. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2016**, 12, 1113-1126	6	84
317	Stability and decolourization ability of Trametes villosa laccase in liquid ultrasonic fields. *Ultrasonics Sonochemistry*, **2007**, 14, 355-62	8.9	84
316	Cutinase—A new tool for biomodification of synthetic fibers. *Journal of Polymer Science Part A*, **2005**, 43, 2448-2450	2.5	84
315	Albumin-Based Nanodevices as Drug Carriers. *Current Pharmaceutical Design*, **2016**, 22, 1371-90	3.3	84
314	Enzymatic Decolorization of Textile Dyeing Effluents. *Textile Reseach Journal*, **2000**, 70, 409-414	1.7	81
313	Design of liposomes as drug delivery system for therapeutic applications. *International Journal of Pharmaceutics*, **2021**, 601, 120571	6.5	81
312	Laccase: a green catalyst for the biosynthesis of poly-phenols. *Critical Reviews in Biotechnology*, **2018**, 38, 294-307	9.4	80

311	Wound dressings for a proteolytic-rich environment. *Applied Microbiology and Biotechnology*, **2011**, 90, 445-60	5.7	79
310	Hydrolysis of PET and bis-(benzoyloxyethyl) terephthalate with a new polyesterase from Penicillium citrinum. *Biocatalysis and Biotransformation*, **2007**, 25, 171-177	2.5	79
309	New enzymes with potential for PET surface modification. *Biocatalysis and Biotransformation*, **2004**, 22, 341-346	2.5	79
308	Therapeutic l-asparaginase: upstream, downstream and beyond. *Critical Reviews in Biotechnology*, **2017**, 37, 82-99	9.4	77
307	Effect of ultrasound parameters for unilamellar liposome preparation. *Ultrasonics Sonochemistry*, **2010**, 17, 628-32	8.9	77
306	The use of keratin in biomedical applications. *Current Drug Targets*, **2013**, 14, 612-9	3	76
305	Treatment of wool fibres with subtilisin and subtilisin-PEG. *Enzyme and Microbial Technology*, **2005**, 36, 917-922	3.8	75
304	Development and industrialisation of enzymatic shrink-resist process based on modified proteases for wool machine washability. *Enzyme and Microbial Technology*, **2007**, 40, 1656-1661	3.8	73
303	Predicting dye biodegradation from redox potentials. *Biotechnology Progress*, **2004**, 20, 1588-92	2.8	71
302	Influence of structure on dye degradation with laccase mediator systems. *Biocatalysis and Biotransformation*, **2004**, 22, 315-324	2.5	70
301	Laccases to Improve the Whiteness in a Conventional Bleaching of Cotton. *Macromolecular Materials and Engineering*, **2003**, 288, 807-810	3.9	70
300	Laccase immobilization on enzymatically functionalized polyamide 6,6 fibres. *Enzyme and Microbial Technology*, **2007**, 41, 867-875	3.8	69
299	Studies of stabilization of native catalase using additives. *Enzyme and Microbial Technology*, **2002**, 30, 387-391	3.8	68
298	Effects of Agitation and Endoglucanase Pretreatment on the Hydrolysis of Cotton Fabrics by a Total Cellulase. *Textile Reseach Journal*, **1996**, 66, 287-294	1.7	68
297	Folic acid-functionalized human serum albumin nanocapsules for targeted drug delivery to chronically activated macrophages. *International Journal of Pharmaceutics*, **2012**, 427, 460-6	6.5	66
296	Nitrile hydratase and amidase from Rhodococcus rhodochrous hydrolyze acrylic fibers and granular polyacrylonitriles. *Applied and Environmental Microbiology*, **2000**, 66, 1634-8	4.8	65
295	Antimicrobial and antioxidant linen via laccase-assisted grafting. *Reactive and Functional Polymers*, **2011**, 71, 713-720	4.6	62
294	Chitosan-lignosulfonates sono-chemically prepared nanoparticles: characterisation and potential applications. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 1-8	6	61

293	Enzymatic hydrolysis of PTT polymers and oligomers. *Journal of Biotechnology*, **2008**, 135, 45-51	3.7	60
292	A novel metalloprotease from Bacillus cereus for protein fibre processing. *Enzyme and Microbial Technology*, **2007**, 40, 1772-1781	3.8	60
291	Indigo Backstaining During Cellulase Washing. *Textile Reseach Journal*, **1998**, 68, 398-401	1.7	60
290	Environmentally friendly bleaching of cotton using laccases. *Environmental Chemistry Letters*, **2005**, 3, 66-69	13.3	58
289	Biotransformation of phenolics with laccase containing bacterial spores. *Environmental Chemistry Letters*, **2005**, 3, 74-77	13.3	56
288	Thermo-alkali-stable catalases from newly isolated Bacillus sp. for the treatment and recycling of textile bleaching effluents. *Journal of Biotechnology*, **2001**, 89, 147-53	3.7	54
287	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	3.8	52
286	Laccase-catalysed protein-flavonoid conjugates for flax fibre modification. *Applied Microbiology and Biotechnology*, **2012**, 93, 585-600	5.7	50
285	Laccases for enzymatic colouration of unbleached cotton. *Enzyme and Microbial Technology*, **2007**, 40, 1788-1793	3.8	50
284	Ultrasound intensification suppresses the need of methanol excess during the biodiesel production with Lipozyme TL-IM. *Ultrasonics Sonochemistry*, **2015**, 27, 530-535	8.9	48
283	Influence of mechanical agitation on cutinases and protease activity towards polyamide substrates. *Enzyme and Microbial Technology*, **2007**, 40, 1678-1685	3.8	48
282	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	3.8	47
281	Biological Coloration of Flax Fabrics with Flavonoids using Laccase from Trametes hirsuta. *Engineering in Life Sciences*, **2008**, 8, 324-330	3.4	46
280	Effects of temperature on the cellulose binding ability of cellulase enzymes. *Journal of Molecular Catalysis B: Enzymatic*, **1999**, 7, 233-239		46
279	Enhancing Methotrexate Tolerance with Folate Tagged Liposomes in Arthritic Mice. *Journal of Biomedical Nanotechnology*, **2015**, 11, 2243-52	4	45
278	A catalase-peroxidase from a newly isolated thermoalkaliphilic Bacillus sp. with potential for the treatment of textile bleaching effluents. *Extremophiles*, **2001**, 5, 423-9	3	45
277	In Situ Enzymatically Prepared Polymers for Wool Coloration. *Macromolecular Materials and Engineering*, **2001**, 286, 691	3.9	45
276	Effect of some process parameters in enzymatic dyeing of wool. *Applied Biochemistry and Biotechnology*, **2003**, 111, 1-13	3.2	44

275	Hydrolysis of Cotton Cellulose by Engineered Cellulases from Trichoderma reesei. *Textile Reseach Journal*, **1998**, 68, 273-280	1.7	44
274	Synthesis and characterization of starch-poly(methyl acrylate) graft copolymers using horseradish peroxidase. *Carbohydrate Polymers*, **2016**, 136, 1010-6	10.3	43
273	Expression system of CotA-laccase for directed evolution and high-throughput screenings for the oxidation of high-redox potential dyes. *Biotechnology Journal*, **2009**, 4, 558-63	5.6	43
272	Ultrasound enhanced laccase applications. *Green Chemistry*, **2015**, 17, 1362-1374	10	42
271	Effect of the agitation on the adsorption and hydrolytic efficiency of cutinases on polyethylene terephthalate fibres. *Enzyme and Microbial Technology*, **2007**, 40, 1801-1805	3.8	42
270	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	2.5	42
269	An immobilised catalase peroxidase from the alkalothermophilic Bacillus SF for the treatment of textile-bleaching effluents. *Applied Microbiology and Biotechnology*, **2002**, 60, 313-9	5.7	42
268	A novel aryl acylamidase from Nocardia farcinica hydrolyses polyamide. *Biotechnology and Bioengineering*, **2009**, 102, 1003-11	4.9	40
267	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, 3882-8	4.8	40
266	Cellulase Hydrolysis of Cotton Cellulose: The Effects of Mechanical Action, Enzyme Concentration and Dyed Substrates. *Biocatalysis*, **1994**, 10, 353-360		40
265	Ultrasound enhances lipase-catalyzed synthesis of poly (ethylene glutarate). *Ultrasonics Sonochemistry*, **2016**, 31, 506-11	8.9	37
264	Enzymatic polymerization on the surface of functionalized cellulose fibers. *Enzyme and Microbial Technology*, **2007**, 40, 1782-1787	3.8	37
263	Optimisation of a serine protease coupling to Eudragit S-100 by experimental design techniques. *Journal of Chemical Technology and Biotechnology*, **2006**, 81, 8-16	3.5	37
262	Surface hydrolysis of polyacrylonitrile with nitrile hydrolysing enzymes from Micrococcus luteus BST20. *Journal of Biotechnology*, **2007**, 129, 62-8	3.7	37
261	Hydrophobic surface functionalization of lignocellulosic jute fabrics by enzymatic grafting of octadecylamine. *International Journal of Biological Macromolecules*, **2015**, 79, 353-62	7.9	36
260	Insights on the mechanism of formation of protein microspheres in a biphasic system. *Molecular Pharmaceutics*, **2012**, 9, 3079-88	5.6	36
259	Influence of Cellulases on Indigo Backstaining. *Textile Reseach Journal*, **2000**, 70, 628-632	1.7	36
258	Polyoxometalate/laccase-mediated oxidative polymerization of catechol for textile dyeing. *Applied Microbiology and Biotechnology*, **2011**, 89, 981-7	5.7	35

257	Characterization of Thermobifida fusca cutinase-carbohydrate-binding module fusion proteins and their potential application in bioscouring. *Applied and Environmental Microbiology*, **2010**, 76, 6870-6	4.8	35
256	Enzymatic removal of cellulose from cotton/polyester fabric blends. *Cellulose*, **2006**, 13, 611-618	5.5	35
255	Laccase kinetics of degradation and coupling reactions. *Journal of Molecular Catalysis B: Enzymatic*, **2005**, 33, 23-28		34
254	Keratins and lipids in ethnic hair. *International Journal of Cosmetic Science*, **2013**, 35, 244-9	2.7	33
253	Enzymatic Treatment of Lyocell□Clarification of Depilling Mechanisms. *Textile Reseach Journal*, **2000**, 70, 696-699	1.7	33
252	Fragrance release profile from sonochemically prepared protein microsphere containers. *Ultrasonics Sonochemistry*, **2012**, 19, 858-63	8.9	32
251	Sonoproduction of liposomes and protein particles as templates for delivery purposes. *Biomacromolecules*, **2011**, 12, 3353-68	6.9	32
250	Proteolytic enzyme engineering: a tool for wool. *Biomacromolecules*, **2009**, 10, 1655-61	6.9	32
249	Monitoring biotransformations in polyamide fibres. *Biocatalysis and Biotransformation*, **2004**, 22, 357-360	2.5	32
248	Implementation of batchwise bioscouring of cotton knits. *Biocatalysis and Biotransformation*, **2004**, 22, 375-382	2.5	32
247	Influence of organic solvents on cutinase stability and accessibility to polyamide fibers. *Journal of Polymer Science Part A*, **2005**, 43, 2749-2753	2.5	32
246	Peptide Anchor for Folate-Targeted Liposomal Delivery. *Biomacromolecules*, **2015**, 16, 2904-10	6.9	31
245	Enzymatic processing of protein-based fibers. *Applied Microbiology and Biotechnology*, **2015**, 99, 10387-97	3.7	31
244	Ultrasonic pilot-scale reactor for enzymatic bleaching of cotton fabrics. *Ultrasonics Sonochemistry*, **2014**, 21, 1535-43	8.9	31
243	On the Routines of Wild-Type Silk Fibroin Processing Toward Silk-Inspired Materials: A Review. *Macromolecular Materials and Engineering*, **2015**, 300, 1199-1216	3.9	31
242	Enzymatic reduction and oxidation of fibre-bound azo-dyes. *Enzyme and Microbial Technology*, **2007** , 40, 1732-1738	3.8	31
241	Purification and mechanistic characterisation of two polygalacturonases from Sclerotium rolfsii. *Enzyme and Microbial Technology*, **2007**, 40, 1739-1747	3.8	31
240	Using a nitrilase for the surface modification of acrylic fibres. *Biotechnology Journal*, **2007**, 2, 353-60	5.6	31

239	Dyeing in catalase-treated bleaching baths. *Coloration Technology*, **2001**, 117, 1-5	2	31
238	Indigo-Cellulase Interactions. *Textile Reseach Journal*, **2000**, 70, 532-536	1.7	31
237	Monitoring biotransformations in polyesters. *Biocatalysis and Biotransformation*, **2004**, 22, 353-356	2.5	30
236	Human Hair and the Impact of Cosmetic Procedures: A Review on Cleansing and Shape-Modulating Cosmetics. *Cosmetics*, **2016**, 3, 26	2.7	30
235	Lipase-ultrasound assisted synthesis of polyesters. *Ultrasonics Sonochemistry*, **2017**, 38, 496-502	8.9	28
234	Fab antibody fragment-functionalized liposomes for specific targeting of antigen-positive cells. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 123-130	6	28
233	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	15.6	28
232	Protein matrices for improved wound healing: elastase inhibition by a synthetic peptide model. *Biomacromolecules*, **2010**, 11, 2213-20	6.9	28
231	Characterisation of enzymatically oxidised lignosulfonates and their application on lignocellulosic fabrics. *Polymer International*, **2009**, 58, 863-868	3.3	28
230	New enzyme-based process direction to prevent wool shrinking without substantial tensile strength loss. *Biotechnology Letters*, **2006**, 28, 711-6	3	28
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228	Changing the shape of hair with keratin peptides. *RSC Advances*, **2017**, 7, 51581-51592	3.7	27
227	Sonochemical and hydrodynamic cavitation reactors for laccase/hydrogen peroxide cotton bleaching. *Ultrasonics Sonochemistry*, **2014**, 21, 774-81	8.9	27
226	Protein microspheres as suitable devices for piroxicam release. *Colloids and Surfaces B: Biointerfaces*, **2012**, 92, 277-85	6	27
225	Enzymatic reduction of azo and indigoid compounds. *Applied Microbiology and Biotechnology*, **2007**, 77, 321-7	5.7	27
224	Recycling of textile bleaching effluents for dyeing using immobilized catalase. *Biotechnology Letters*, **2002**, 24, 173-176	3	27
223	Interactions of cotton with CBD peptides. *Enzyme and Microbial Technology*, **1999**, 25, 639-643	3.8	27
222	Enzymatic colouration with laccase and peroxidases: Recent progress. *Biocatalysis and Biotransformation*, **2012**, 30, 125-140	2.5	26

221	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, 1077-83	6	25
220	Fluorescent quantification of melanin. *Pigment Cell and Melanoma Research*, **2016**, 29, 707-712	4.5	25
219	The effect of cellulase treatment in textile washing processes. *Coloration Technology*, **2008**, 113, 218-222		25
218	Restricting detergent protease action to surface of protein fibres by chemical modification. *Applied Microbiology and Biotechnology*, **2006**, 72, 738-44	5.7	25
217	Surface modification of polyacrylonitrile with nitrile hydratase and amidase from Agrobacterium tumefaciens. *Biocatalysis and Biotransformation*, **2006**, 24, 419-425	2.5	25
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215	Liposome and protein based stealth nanoparticles. *Faraday Discussions*, **2013**, 166, 417-29	3.6	24
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213	Preparation and rheological properties of starch- g -poly(butyl acrylate) catalyzed by horseradish peroxidase. *Process Biochemistry*, **2017**, 59, 104-110	4.8	23
212	HRP-mediated polyacrylamide graft modification of raw jute fabric. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 116, 29-38		23
211	Size controlled protein nanoemulsions for active targeting of folate receptor positive cells. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 90-98	6	22
210	Bio-coloration of bacterial cellulose assisted by immobilized laccase. *AMB Express*, **2018**, 8, 19	4.1	22
209	In vitro and computational studies of transdermal perfusion of nanoformulations containing a large molecular weight protein. *Colloids and Surfaces B: Biointerfaces*, **2013**, 108, 271-8	6	22
208	Protein disulphide isomerase-mediated grafting of cysteine-containing peptides onto over-bleached hair. *Biocatalysis and Biotransformation*, **2012**, 30, 10-19	2.5	22
207	Enzymatic surface hydrolysis of PET enhances bonding in PVC coating. *Biocatalysis and Biotransformation*, **2008**, 26, 365-370	2.5	22
206	Incorporation of peptides in phospholipid aggregates using ultrasound. *Ultrasonics Sonochemistry*, **2008**, 15, 1026-32	8.9	22
205	Processing Textile Fibers with Enzymes: An Overview. *ACS Symposium Series*, **1998**, 180-189	0.4	22
204	Functionalization of gauzes with liposomes entrapping an anti-inflammatory drug: A strategy to improve wound healing. *Reactive and Functional Polymers*, **2013**, 73, 1328-1334	4.6	21

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201	Antioxidant cosmetotextiles: Cotton coating with nanoparticles containing vitamin E. *Process Biochemistry*, **2017**, 59, 46-51	4.8	20
200	Silk-based biomaterials functionalized with fibronectin type II promotes cell adhesion. *Acta Biomaterialia*, **2017**, 47, 50-59	10.8	20
199	Polyoxometalates as mediators in the laccase catalyzed delignification. *Journal of Molecular Catalysis B: Enzymatic*, **2001**, 16, 131-140		20
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197	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	8.4	19
196	Bio-processing of bamboo fibres for textile applications: a mini review. *Biocatalysis and Biotransformation*, **2012**, 30, 141-153	2.5	19
195	Functionalization of cellulose acetate fibers with engineered cutinases. *Biotechnology Progress*, **2010**, 26, 636-43	2.8	19
194	The effect of additives and mechanical agitation in surface modification of acrylic fibres by cutinase and esterase. *Biotechnology Journal*, **2006**, 1, 842-9	5.6	19
193	Enzymatic Hydrophobic Modification of Jute Fibers via Grafting to Reinforce Composites. *Applied Biochemistry and Biotechnology*, **2016**, 178, 1612-29	3.2	18
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190	Biotransformations in synthetic fibres. *Biocatalysis and Biotransformation*, **2008**, 26, 350-356	2.5	18
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187	Ultrasound-assisted swelling of bacterial cellulose. *Engineering in Life Sciences*, **2017**, 17, 1108-1117	3.4	17
186	Staining of wool using the reaction products of ABTS oxidation by laccase: synergetic effects of ultrasound and cyclic voltammetry. *Ultrasonics Sonochemistry*, **2007**, 14, 363-7	8.9	17

185	Phosphorylation of Cotton Cellulose with Baker's Yeast Hexokinase. *Macromolecular Rapid Communications*, **2002**, 23, 962-964	4.8	17
184	Effect of temperature and bath composition on the dyeing of cotton with catalase-treated bleaching effluent. *Coloration Technology*, **2001**, 117, 166-170	2	17
183	Update on Therapeutic Approaches for Rheumatoid Arthritis. *Current Medicinal Chemistry*, **2016**, 23, 2190-203	4.3	17
182	Protective Effect of Saccharides on Freeze-Dried Liposomes Encapsulating Drugs. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 424	5.8	17
181	Antimicrobial coating of textiles by laccase in situ polymerization of catechol and p-phenylenediamine. *Reactive and Functional Polymers*, **2019**, 136, 25-33	4.6	17
180	The effect of high-energy environments on the structure of laccase-polymerized poly(catechol). *Ultrasonics Sonochemistry*, **2018**, 48, 275-280	8.9	17
179	Neutral PEGylated liposomal formulation for efficient folate-mediated delivery of MCL1 siRNA to activated macrophages. *Colloids and Surfaces B: Biointerfaces*, **2017**, 155, 459-465	6	16
178	Jute/polypropylene composites: Effect of enzymatic modification on thermo-mechanical and dynamic mechanical properties. *Fibers and Polymers*, **2015**, 16, 2276-2283	2	16
177	Odorant binding proteins: a biotechnological tool for odour control. *Applied Microbiology and Biotechnology*, **2014**, 98, 3629-38	5.7	16
176	Keratin-based peptide: biological evaluation and strengthening properties on relaxed hair. *International Journal of Cosmetic Science*, **2012**, 34, 338-46	2.7	16
175	Detergent formulations for wool domestic washings containing immobilized enzymes. *Biotechnology Letters*, **2006**, 28, 725-31	3	16
174	Indigo Degradation with Laccases from Polyporus sp. and Sclerotium rolfsii. *Textile Reseach Journal*, **2001**, 71, 420-424	1.7	16
173	PEGylation Greatly Enhances Laccase Polymerase Activity. *ChemCatChem*, **2017**, 9, 3888-3894	5.2	15
172	Detection of human neutrophil elastase (HNE) on wound dressings as marker of inflammation. *Applied Microbiology and Biotechnology*, **2017**, 101, 1443-1454	5.7	15
171	Electrostatics of Tau Protein by Molecular Dynamics. *Biomolecules*, **2019**, 9,	5.9	14
170	Enzymatic polymerization of catechol under high-pressure homogenization for the green coloration of textiles. *Journal of Cleaner Production*, **2018**, 202, 792-798	10.3	14
169	Proteinaceous microspheres for targeted RNA delivery prepared by an ultrasonic emulsification method. *Journal of Materials Chemistry B*, **2013**, 1, 82-90	7.3	14
168	Potential of human D-crystallin for hair damage repair: insights into the mechanical properties and biocompatibility. *International Journal of Cosmetic Science*, **2013**, 35, 458-66	2.7	14

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