Artur M Cavaco-Paulo

List of Publications by Year in Descending Order

261 papers	9,553 citations	55 h-index	86 g-index
271 ext. papers	10,491 ext. citations	5 avg, IF	6.22 L-index

#	Paper	IF	Citations
261	Satureja montana Essential Oil, Zein Nanoparticles and Their Combination as a Biocontrol Strategy to Reduce Bacterial Spot Disease on Tomato Plants. *Horticulturae*, **2021**, 7, 584	2.5	1
260	Hair resistance to mechanical wear. *Wear*, **2021**, 470-471, 203612	3.5	0
259	Proteins as Hair Styling Agents. *Applied Sciences (Switzerland)*, **2021**, 11, 4245	2.6	1
258	Laccase-catalyzed cross-linking of BSA mediated by tyrosine. *International Journal of Biological Macromolecules*, **2021**, 166, 798-805	7.9	7
257	Ohmic heating as a new tool for protein scaffold engineering. *Materials Science and Engineering C*, **2021**, 120, 111784	8.3	2
256	Biotechnological applications of mammalian odorant-binding proteins. *Critical Reviews in Biotechnology*, **2021**, 41, 441-455	9.4	5
255	Effect of ultrasound on protein functionality. *Ultrasonics Sonochemistry*, **2021**, 76, 105653	8.9	13
254	Changing the shape of wool yarns via laccase-mediated grafting of tyrosine. *Journal of Biotechnology*, **2021**, 339, 73-80	3.7	2
253	Production of antimicrobial powders of guaiacol oligomers by a laccase-catalyzed synthesis reaction. *Process Biochemistry*, **2021**, 111, 213-220	4.8	2
252	Zein impart hydrophobic and antimicrobial properties to cotton textiles. *Reactive and Functional Polymers*, **2020**, 154, 104664	4.6	9
251	Stratum corneum lipid matrix with unusual packing: A molecular dynamics study. *Colloids and Surfaces B: Biointerfaces*, **2020**, 190, 110928	6	8
250	Ohmic heating as an innovative approach for the production of keratin films. *International Journal of Biological Macromolecules*, **2020**, 150, 671-680	7.9	8
249	Antimicrobial Properties of Composites of Chitosan-Silver Doped Zeolites. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 6295-6304	1.3	0
248	Catalytic Activation of Esterases by PEGylation for Polyester Synthesis. *ChemCatChem*, **2019**, 11, 2490-2499	5.2	6
247	Design of a chromogenic substrate for elastase based on split GFP system-Proof of concept for colour switch sensors. *Biotechnology Reports (Amsterdam, Netherlands)*, **2019**, 22, e00324	5.3	1
246	Release of Fragrances from Cotton Functionalized with Carbohydrate-Binding Module Proteins. *ACS Applied Materials & Interfaces*, **2019**, 11, 28499-28506	9.5	12
245	Enzyme stabilization for biotechnological applications **2019**, 107-131		2

244	Chymotrypsin catalysed oligopeptide synthesis for hair modelling. *Journal of Cleaner Production*, **2019**, 237, 117743	10.3	1
243	Ultrasound-Assisted Encapsulation of Sacha Inchi (Linneo.) Oil in Alginate-Chitosan Nanoparticles. *Polymers*, **2019**, 11,	4.5	9
242	Fusion proteins with chromogenic and keratin binding modules. *Scientific Reports*, **2019**, 9, 14044	4.9	6
241	Crystallin Fusion Proteins Improve the Thermal Properties of Hair. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 298	5.8	5
240	Functionalization of Bacterial Cellulose Nonwoven by Poly(fluorophenol) to Improve Its Hydrophobicity and Durability. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 332	5.8	13
239	Polymeric Electrospun Fibrous Dressings for Topical Co-delivery of Acyclovir and Omega-3 Fatty Acids. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 390	5.8	10
238	Coloured and low conductive fabrics by in situ laccase-catalysed polymerization. *Process Biochemistry*, **2019**, 77, 77-84	4.8	9
237	In-situ lipase-catalyzed cotton coating with polyesters from ethylene glycol and glycerol. *Process Biochemistry*, **2018**, 66, 82-88	4.8	9
236	Bio-coloration of bacterial cellulose assisted by immobilized laccase. *AMB Express*, **2018**, 8, 19	4.1	22
235	Enzymatic modification of jute fabrics for enhancing the reinforcement in jute/PP composites. *Journal of Thermoplastic Composite Materials*, **2018**, 31, 483-499	1.9	13
234	Laccase: a green catalyst for the biosynthesis of poly-phenols. *Critical Reviews in Biotechnology*, **2018**, 38, 294-307	9.4	80
233	1-Aminoanthracene Transduction into Liposomes Driven by Odorant-Binding Protein Proximity. *ACS Applied Materials & Interfaces*, **2018**, 10, 27531-27539	9.5	4
232	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
231	Ultrasound-assisted extraction of hemicellulose and phenolic compounds from bamboo bast fiber powder. *PLoS ONE*, **2018**, 13, e0197537	3.7	11
230	OBP fused with cell-penetrating peptides promotes liposomal transduction. *Colloids and Surfaces B: Biointerfaces*, **2018**, 161, 645-653	6	12
229	Practical insights on enzyme stabilization. *Critical Reviews in Biotechnology*, **2018**, 38, 335-350	9.4	110
228	Ultrasound-assisted lipase catalyzed hydrolysis of aspirin methyl ester. *Ultrasonics Sonochemistry*, **2018**, 40, 587-593	8.9	13
227	Conductive Cotton by In Situ Laccase-Polymerization of Aniline. *Polymers*, **2018**, 10,	4.5	12

226	Internalization of Methotrexate Conjugates by Folate Receptor-□*Biochemistry*, **2018**, 57, 6780-6786	3.2	8
225	Polymers from Bamboo Extracts Produced by Laccase. *Polymers*, **2018**, 10,	4.5	6
224	Exploring PEGylated and immobilized laccases for catechol polymerization. *AMB Express*, **2018**, 8, 134	4.1	12
223	Two Engineered OBPs with opposite temperature-dependent affinities towards 1-aminoanthracene. *Scientific Reports*, **2018**, 8, 14844	4.9	5
222	The effect of high-energy environments on the structure of laccase-polymerized poly(catechol). *Ultrasonics Sonochemistry*, **2018**, 48, 275-280	8.9	17
221	Permeation of skin with (C) fullerene dispersions. *Engineering in Life Sciences*, **2017**, 17, 732-738	3.4	5
220	In vivo confocal Raman spectroscopy and molecular dynamics analysis of penetration of retinyl acetate into stratum corneum. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 174, 279-285	4.4	13
219	PEGylation Greatly Enhances Laccase Polymerase Activity. *ChemCatChem*, **2017**, 9, 3888-3894	5.2	15
218	Lipase-ultrasound assisted synthesis of polyesters. *Ultrasonics Sonochemistry*, **2017**, 38, 496-502	8.9	28
217	Peptide-protein interactions within human hair keratins. *International Journal of Biological Macromolecules*, **2017**, 101, 805-814	7.9	7
216	Modulating antioxidant activity and the controlled release capability of laccase mediated catechin grafting of chitosan. *Process Biochemistry*, **2017**, 59, 65-76	4.8	12
215	Oil-based cyclo-oligosaccharide nanodevices for drug encapsulation. *Colloids and Surfaces B: Biointerfaces*, **2017**, 159, 259-267	6	3
214	Protein-based nanoformulations for □tocopherol encapsulation. *Engineering in Life Sciences*, **2017**, 17, 523-527	3.4	5
213	Detection of human neutrophil elastase (HNE) on wound dressings as marker of inflammation. *Applied Microbiology and Biotechnology*, **2017**, 101, 1443-1454	5.7	15
212	Enzymatic coating of cotton with poly (ethylene glutarate). *Process Biochemistry*, **2017**, 59, 91-96	4.8	6
211	Jute hydrophobization via laccase-catalyzed grafting of fluorophenol and fluoroamine. *RSC Advances*, **2016**, 6, 90427-90434	3.7	12
210	Albumin/asparaginase capsules prepared by ultrasound to retain ammonia. *Applied Microbiology and Biotechnology*, **2016**, 100, 9499-9508	5.7	5
209	BSA/HSA ratio modulates the properties of Ca(2+)-induced cold gelation scaffolds. *International Journal of Biological Macromolecules*, **2016**, 89, 535-44	7.9	4

208	A biologically active delivery material with dried-rehydrated vesicles containing the anti-inflammatory diclofenac for potential wound healing. *Journal of Liposome Research*, **2016**, 26, 269-75	6.1	7
207	Protein Formulations for Emulsions and Solid-in-Oil Dispersions. *Trends in Biotechnology*, **2016**, 34, 496-505	13.1	13
206	Enzymatic coating of jute fabrics for enhancing anti-ultraviolent properties via in-situ polymerization of polyhydric phenols. *Journal of Industrial Textiles*, **2016**, 46, 160-176	1.6	5
205	Ultrasound enhances lipase-catalyzed synthesis of poly (ethylene glutarate). *Ultrasonics Sonochemistry*, **2016**, 31, 506-11	8.9	37
204	Enzymatic phosphorylation of hair keratin enhances fast adsorption of cationic moieties. *International Journal of Biological Macromolecules*, **2016**, 85, 476-86	7.9	7
203	Folate-targeted nanoparticles for rheumatoid arthritis therapy. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2016**, 12, 1113-1126	6	84
202	Enzymatic Treatments to Improve Mechanical Properties and Surface Hydrophobicity of Jute Fiber Membranes. *BioResources*, **2016**, 11,	1.3	5
201	Albumin-Based Nanodevices as Drug Carriers. *Current Pharmaceutical Design*, **2016**, 22, 1371-90	3.3	84
200	Laccase-catalyzed synthesis of conducting polyaniline-lignosulfonate composite. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	5
199	Insights on the mechanical behavior of keratin fibrils. *International Journal of Biological Macromolecules*, **2016**, 89, 477-83	7.9	9
198	Enzymatic synthesis of poly(catechin)-antibiotic conjugates: an antimicrobial approach for indwelling catheters. *Applied Microbiology and Biotechnology*, **2015**, 99, 637-51	5.7	13
197	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
196	Size controlled protein nanoemulsions for active targeting of folate receptor positive cells. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 90-98	6	22
195	Enzymatic processing of protein-based fibers. *Applied Microbiology and Biotechnology*, **2015**, 99, 10387-97	3.7	31
194	Ultrasound enhanced laccase applications. *Green Chemistry*, **2015**, 17, 1362-1374	10	42
193	Phosphorylated silk fibroin matrix for methotrexate release. *Molecular Pharmaceutics*, **2015**, 12, 75-86	5.6	7
192	Stabilization of enzymes in micro-emulsions for ultrasound processes. *Biochemical Engineering Journal*, **2015**, 93, 115-118	4.2	10
191	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

190	Hydrophobic surface functionalization of lignocellulosic jute fabrics by enzymatic grafting of octadecylamine. *International Journal of Biological Macromolecules*, **2015**, 79, 353-62	7.9	36
189	The effects of solvent composition on the affinity of a peptide towards hair keratin: experimental and molecular dynamics data. *RSC Advances*, **2015**, 5, 12365-12371	3.7	11
188	Protein micro- and nano-capsules for biomedical applications. *Chemical Society Reviews*, **2014**, 43, 1361-74	38.5	90
187	Sonochemically-induced spectral shift as a probe of green fluorescent protein release from nano capsules. *RSC Advances*, **2014**, 4, 10303-10309	3.7	1
186	Phosphorylation of silk fibroins improves the cytocompatibility of silk fibroin derived materials: a platform for the production of tuneable material. *Biotechnology Journal*, **2014**, 9, 1267-78	5.6	7
185	Design of novel BSA/hyaluronic acid nanodispersions for transdermal pharma purposes. *Molecular Pharmaceutics*, **2014**, 11, 1479-88	5.6	18
184	Ultrasonic pilot-scale reactor for enzymatic bleaching of cotton fabrics. *Ultrasonics Sonochemistry*, **2014**, 21, 1535-43	8.9	31
183	Laccase coating of catheters with poly(catechin) for biofilm reduction. *Biocatalysis and Biotransformation*, **2014**, 32, 2-12	2.5	8
182	Sonochemical and hydrodynamic cavitation reactors for laccase/hydrogen peroxide cotton bleaching. *Ultrasonics Sonochemistry*, **2014**, 21, 774-81	8.9	27
181	The Immobilization of Polyethylene Imine Nano and Microspheres on Glass Using High Intensity Ultrasound. *International Journal of Applied Ceramic Technology*, **2013**, 10, E267-E273	2	
180	Characterization of ligno-cellulosic materials bleached with oxo-diperoxo-molybdates. *Carbohydrate Polymers*, **2013**, 98, 490-4	10.3	2
179	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
178	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
177	Proteinaceous microspheres for targeted RNA delivery prepared by an ultrasonic emulsification method. *Journal of Materials Chemistry B*, **2013**, 1, 82-90	7.3	14
176	Enzymatic synthesis of antibody-human serum albumin conjugate for targeted drug delivery using tyrosinase from Agaricus bisporus. *RSC Advances*, **2013**, 3, 1460-1467	3.7	14
175	Liposome and protein based stealth nanoparticles. *Faraday Discussions*, **2013**, 166, 417-29	3.6	24
174	Chitosan-lignosulfonates sono-chemically prepared nanoparticles: characterisation and potential applications. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 1-8	6	61
173	HSA nanocapsules functionalized with monoclonal antibodies for targeted drug delivery. *International Journal of Pharmaceutics*, **2013**, 458, 1-8	6.5	11

172	The activity of LE10 peptide on biological membranes using molecular dynamics, in vitro and in vivo studies. *Colloids and Surfaces B: Biointerfaces*, **2013**, 106, 240-7	6	6
171	Nonionic surfactants and dispersants for biopolishing and stonewashing with Hypocrea jecorina cellulases. *Coloration Technology*, **2013**, 129, 49-54	2	8
170	NMR and molecular modelling studies on elastase inhibitor-peptides for wound management. *Reactive and Functional Polymers*, **2013**, 73, 1357-1365	4.6	6
169	Direct enzymatic esterification of cotton and Avicel with wild-type and engineered cutinases. *Cellulose*, **2013**, 20, 409-416	5.5	9
168	Production of heterologous cutinases by E. coli and improved enzyme formulation for application on plastic degradation. *Electronic Journal of Biotechnology*, **2013**, 16,	3.1	7
167	The use of keratin in biomedical applications. *Current Drug Targets*, **2013**, 14, 612-9	3	76
166	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
165	Characterization of potential elastase inhibitor-peptides regulated by a molecular switch for wound dressings applications. *Enzyme and Microbial Technology*, **2012**, 50, 107-14	3.8	12
164	Fragrance release profile from sonochemically prepared protein microsphere containers. *Ultrasonics Sonochemistry*, **2012**, 19, 858-63	8.9	32
163	Sonochemical coating of cotton and polyester fabrics with "antibacterial" BSA and casein spheres. *Chemistry - A European Journal*, **2012**, 18, 365-9	4.8	27
162	Laccase-catalysed protein-flavonoid conjugates for flax fibre modification. *Applied Microbiology and Biotechnology*, **2012**, 93, 585-600	5.7	50
161	Wound-healing evaluation of entrapped active agents into protein microspheres over cellulosic gauzes. *Biotechnology Journal*, **2012**, 7, 1376-85	5.6	9
160	Influence of secretory leukocyte protease inhibitor-based peptides on elastase activity and their incorporation in hyaluronic acid hydrogels for chronic wound therapy. *Biopolymers*, **2012**, 98, 576-90	2.2	7
159	Protein disulphide isomerase-induced refolding of sonochemically prepared Ribonuclease A microspheres. *Journal of Biotechnology*, **2012**, 159, 78-82	3.7	3
158	Molecular recognition of esterase plays a major role on the removal of fatty soils during detergency. *Journal of Biotechnology*, **2012**, 161, 228-34	3.7	5
157	Bio-processing of bamboo fibres for textile applications: a mini review. *Biocatalysis and Biotransformation*, **2012**, 30, 141-153	2.5	19
156	Protein disulphide isomerase-mediated grafting of cysteine-containing peptides onto over-bleached hair. *Biocatalysis and Biotransformation*, **2012**, 30, 10-19	2.5	22
155	Enzymatic colouration with laccase and peroxidases: Recent progress. *Biocatalysis and Biotransformation*, **2012**, 30, 125-140	2.5	26

154	Insights on the mechanism of formation of protein microspheres in a biphasic system. *Molecular Pharmaceutics*, **2012**, 9, 3079-88	5.6	36
153	Novel silk fibroin/elastin wound dressings. *Acta Biomaterialia*, **2012**, 8, 3049-60	10.8	185
152	Developing scaffolds for tissue engineering using the Ca2+-induced cold gelation by an experimental design approach. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2012**, 100, 2269-78	3.5	9
151	Releasing dye encapsulated in proteinaceous microspheres on conductive fabrics by electric current. *ACS Applied Materials & Interfaces*, **2012**, 4, 2926-30	9.5	11
150	Bamboo fibre processing: insights into hemicellulase and cellulase substrate accessibility. *Biocatalysis and Biotransformation*, **2012**, 30, 27-37	2.5	10
149	Sonochemical proteinaceous microspheres for wound healing. *Advances in Experimental Medicine and Biology*, **2012**, 733, 155-64	3.6	10
148	Molecular modeling of hair keratin/peptide complex: Using MM-PBSA calculations to describe experimental binding results. *Proteins: Structure, Function and Bioinformatics*, **2012**, 80, 1409-17	4.2	13
147	Treatment of cotton with an alkaline Bacillus spp cellulase: activity towards crystalline cellulose. *Biotechnology Journal*, **2012**, 7, 275-83	5.6	4
146	Protein microspheres as suitable devices for piroxicam release. *Colloids and Surfaces B: Biointerfaces*, **2012**, 92, 277-85	6	27
145	Effects of adsorption properties and mechanical agitation of two detergent cellulases towards cotton cellulose. *Biocatalysis and Biotransformation*, **2012**, 30, 260-271	2.5	5
144	Decolourization of paprika dye effluent with hydrogen peroxide produced by glucose oxidase. *Biocatalysis and Biotransformation*, **2012**, 30, 255-259	2.5	1
143	Hydroxylation of polypropylene using the monooxygenase mutant 139-3 from Bacillus megaterium BM3. *Biocatalysis and Biotransformation*, **2012**, 30, 57-62	2.5	1
142	Protein disulphide isomerase-assisted functionalization of proteinaceous substrates. *Biocatalysis and Biotransformation*, **2012**, 30, 111-124	2.5	3
141	Tailoring elastase inhibition with synthetic peptides. *European Journal of Pharmacology*, **2011**, 666, 53-60	3.3	10
140	Engineered Thermobifida fusca cutinase with increased activity on polyester substrates. *Biotechnology Journal*, **2011**, 6, 1230-9	5.6	90
139	Changes in the bacterial community structure and diversity during bamboo retting. *Biotechnology Journal*, **2011**, 6, 1262-71	5.6	7
138	In situ laccase-assisted overdyeing of denim using flavonoids. *Biotechnology Journal*, **2011**, 6, 1272-9	5.6	21
137	Polyoxometalate/laccase-mediated oxidative polymerization of catechol for textile dyeing. *Applied Microbiology and Biotechnology*, **2011**, 89, 981-7	5.7	35

136	Wound dressings for a proteolytic-rich environment. *Applied Microbiology and Biotechnology*, **2011**, 90, 445-60	5.7	79
135	Protein disulphide isomerase-assisted functionalization of keratin-based matrices. *Applied Microbiology and Biotechnology*, **2011**, 90, 1311-21	5.7	9
134	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
133	Biology of human hair: know your hair to control it. *Advances in Biochemical Engineering/Biotechnology*, **2011**, 125, 121-43	1.7	6
132	Enzymatic Surface Hydrolysis of PET: Effect of Structural Diversity on Kinetic Properties of Cutinases from Thermobifida. *Macromolecules*, **2011**, 44, 4632-4640	5.5	205
131	Sonoproduction of liposomes and protein particles as templates for delivery purposes. *Biomacromolecules*, **2011**, 12, 3353-68	6.9	32
130	Antimicrobial and antioxidant linen via laccase-assisted grafting. *Reactive and Functional Polymers*, **2011**, 71, 713-720	4.6	62
129	Characterization of Thermobifida fusca Cutinase-Carbohydrate-Binding Module Fusion Proteins and Their Potential Application in Bioscouring. *Applied and Environmental Microbiology*, **2010**, 76, 7896-7896	4.8	4
128	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
127	Hydrolysis of Cutin by PET-Hydrolases. *Macromolecular Symposia*, **2010**, 296, 342-346	0.8	12
126	Biosensors Based on Laccase for Detection of Commercially Reactive Dyes. *Analytical Letters*, **2010**, 43, 1126-1131	2.2	2
125	Protein matrices for improved wound healing: elastase inhibition by a synthetic peptide model. *Biomacromolecules*, **2010**, 11, 2213-20	6.9	28
124	Attaching Different Kinds of Proteinaceous Nanospheres to a Variety of Fabrics Using Ultrasound Radiation. *Israel Journal of Chemistry*, **2010**, 50, 524-529	3.4	12
123	Microspheres of mixed proteins. *Chemistry - A European Journal*, **2010**, 16, 2108-14	4.8	21
122	Functionalization of cellulose acetate fibers with engineered cutinases. *Biotechnology Progress*, **2010**, 26, 636-43	2.8	19
121	Polymerization of lignosulfonates by the laccase-HBT (1-hydroxybenzotriazole) system improves dispersibility. *Bioresource Technology*, **2010**, 101, 5054-62	11	85
120	Effect of ultrasound parameters for unilamellar liposome preparation. *Ultrasonics Sonochemistry*, **2010**, 17, 628-32	8.9	77
119	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

118	A novel aryl acylamidase from Nocardia farcinica hydrolyses polyamide. *Biotechnology and Bioengineering*, **2009**, 102, 1003-11	4.9	40
117	Characterisation of enzymatically oxidised lignosulfonates and their application on lignocellulosic fabrics. *Polymer International*, **2009**, 58, 863-868	3.3	28
116	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
115	Microaerophilic□erobic sequential decolourization/biodegradation of textile azo dyes by a facultative Klebsiella sp. strain VN-31. *Process Biochemistry*, **2009**, 44, 446-452	4.8	95
114	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
113	Biodegradable materials based on silk fibroin and keratin. *Biomacromolecules*, **2009**, 10, 1019	6.9	13
112	Proteolytic enzyme engineering: a tool for wool. *Biomacromolecules*, **2009**, 10, 1655-61	6.9	32
111	The effect of cellulase treatment in textile washing processes. *Coloration Technology*, **2008**, 113, 218-222		25
110	Treatment of cotton fabrics with purified Trichoderma reesei cellulases. *Coloration Technology*, **2008**, 114, 216-220		11
109	Enzymes go big: surface hydrolysis and functionalization of synthetic polymers. *Trends in Biotechnology*, **2008**, 26, 32-8	15.1	162
108	Enzymatic hydrolysis of PTT polymers and oligomers. *Journal of Biotechnology*, **2008**, 135, 45-51	3.7	60
107	Surface hydrolysis of polyamide with a new polyamidase from Beauveria brongniartii. *Biocatalysis and Biotransformation*, **2008**, 26, 371-377	2.5	18
106	Application of enzymes for textile fibres processing. *Biocatalysis and Biotransformation*, **2008**, 26, 332-349	2.5	188
105	Biotransformations in synthetic fibres. *Biocatalysis and Biotransformation*, **2008**, 26, 350-356	2.5	18
104	Enzymatic surface hydrolysis of PET enhances bonding in PVC coating. *Biocatalysis and Biotransformation*, **2008**, 26, 365-370	2.5	22
103	MALDI-TOF Mass Spectrometry in Textile Industry. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2008**, 193-203	0.1	0
102	Bioelectrochemical investigations of aryl-alcohol oxidase from Pleurotus eryngii. *Journal of Electroanalytical Chemistry*, **2008**, 618, 83-86	4.1	7
101	Incorporation of peptides in phospholipid aggregates using ultrasound. *Ultrasonics Sonochemistry*, **2008**, 15, 1026-32	8.9	22

100	Strategies towards the Functionalization of Subtilisin E from Bacillus subtilis for Wool Finishing Applications. *Engineering in Life Sciences*, **2008**, 8, 238-249	3.4	5
99	In-situ Enzymatic Generation of Hydrogen Peroxide for Bleaching Purposes. *Engineering in Life Sciences*, **2008**, 8, 315-323	3.4	18
98	Biological Coloration of Flax Fabrics with Flavonoids using Laccase from Trametes hirsuta. *Engineering in Life Sciences*, **2008**, 8, 324-330	3.4	46
97	Biodegradable materials based on silk fibroin and keratin. *Biomacromolecules*, **2008**, 9, 1299-305	6.9	281
96	Stability and decolourization ability of Trametes villosa laccase in liquid ultrasonic fields. *Ultrasonics Sonochemistry*, **2007**, 14, 355-62	8.9	84
95	Combined ultrasound-laccase assisted bleaching of cotton. *Ultrasonics Sonochemistry*, **2007**, 14, 350-4	8.9	87
94	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
93	A novel metalloprotease from Bacillus cereus for protein fibre processing. *Enzyme and Microbial Technology*, **2007**, 40, 1772-1781	3.8	60
92	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
91	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
90	Influence of mechanical agitation on cutinases and protease activity towards polyamide substrates. *Enzyme and Microbial Technology*, **2007**, 40, 1678-1685	3.8	48
89	Enzymatic reduction and oxidation of fibre-bound azo-dyes. *Enzyme and Microbial Technology*, **2007**, 40, 1732-1738	3.8	31
88	Purification and mechanistic characterisation of two polygalacturonases from Sclerotium rolfsii. *Enzyme and Microbial Technology*, **2007**, 40, 1739-1747	3.8	31
87	Enzymatic synthesis of Tinuvin. *Enzyme and Microbial Technology*, **2007**, 40, 1748-1752	3.8	14
86	Enzymatic polymerization on the surface of functionalized cellulose fibers. *Enzyme and Microbial Technology*, **2007**, 40, 1782-1787	3.8	37
85	Laccases for enzymatic colouration of unbleached cotton. *Enzyme and Microbial Technology*, **2007**, 40, 1788-1793	3.8	50
84	Cotton fabric: A natural matrix suitable for controlled release systems. *Enzyme and Microbial Technology*, **2007**, 40, 1646-1650	3.8	7
83	Laccase immobilization on enzymatically functionalized polyamide 6,6 fibres. *Enzyme and Microbial Technology*, **2007**, 41, 867-875	3.8	69

82	Decolourisation of a synthetic textile effluent using a bacterial consortium. *Biotechnology Journal*, **2007**, 2, 370-3	5.6	2
81	Using a nitrilase for the surface modification of acrylic fibres. *Biotechnology Journal*, **2007**, 2, 353-60	5.6	31
80	Enzymatic reduction of azo and indigoid compounds. *Applied Microbiology and Biotechnology*, **2007**, 77, 321-7	5.7	27
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