Artur Cavaco-Paulo

List of Publications by Year in Descending Order

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	Chemical modification of lipases: A powerful tool for activity improvement.. *Biotechnology Journal*, **2022**, e2100523	5.6	0
345	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
344	Mapping hair follicle-targeted delivery by particle systems: What has science accomplished so far?. *International Journal of Pharmaceutics*, **2021**, 610, 121273	6.5	4
343	Cellulose Dissolved in Ionic Liquids for Modification of the Shape of Keratin Fibers. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 4102-4110	8.3	5
342	Hair resistance to mechanical wear. *Wear*, **2021**, 470-471, 203612	3.5	0
341	Design of liposomes as drug delivery system for therapeutic applications. *International Journal of Pharmaceutics*, **2021**, 601, 120571	6.5	81
340	Proteins as Hair Styling Agents. *Applied Sciences (Switzerland)*, **2021**, 11, 4245	2.6	1
339	Comparing the delivery to the hair bulb of two fluorescent molecules of distinct hydrophilicities by different nanoparticles and a serum formulation. *International Journal of Pharmaceutics*, **2021**, 602, 120653	6.5	1
338	Laccase-catalyzed cross-linking of BSA mediated by tyrosine. *International Journal of Biological Macromolecules*, **2021**, 166, 798-805	7.9	7
337	Ohmic heating as a new tool for protein scaffold engineering. *Materials Science and Engineering C*, **2021**, 120, 111784	8.3	2
336	Biotechnological applications of mammalian odorant-binding proteins. *Critical Reviews in Biotechnology*, **2021**, 41, 441-455	9.4	5
335	Chemically Modified Lipase from Thermomyces lanuginosus with Enhanced Esterification and Transesterification Activities. *ChemCatChem*, **2021**, 13, 4524	5.2	1
334	Effect of ultrasound on protein functionality. *Ultrasonics Sonochemistry*, **2021**, 76, 105653	8.9	13
333	Changing the shape of wool yarns via laccase-mediated grafting of tyrosine. *Journal of Biotechnology*, **2021**, 339, 73-80	3.7	2
332	Production of antimicrobial powders of guaiacol oligomers by a laccase-catalyzed synthesis reaction. *Process Biochemistry*, **2021**, 111, 213-220	4.8	2
331	Carboxymethyl Cellulose (CMC) as a Template for Laccase-Assisted Oxidation of Aniline. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 438	5.8	6
330	Zein impart hydrophobic and antimicrobial properties to cotton textiles. *Reactive and Functional Polymers*, **2020**, 154, 104664	4.6	9

329	Cyclosporin A-loaded poly(d,l-lactide) nanoparticles: a promising tool for treating alopecia. *Nanomedicine*, **2020**, 15, 1459-1469	5.6	4
328	Stratum corneum lipid matrix with unusual packing: A molecular dynamics study. *Colloids and Surfaces B: Biointerfaces*, **2020**, 190, 110928	6	8
327	Ohmic heating as an innovative approach for the production of keratin films. *International Journal of Biological Macromolecules*, **2020**, 150, 671-680	7.9	8
326	Antimicrobial Properties of Composites of Chitosan-Silver Doped Zeolites. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 6295-6304	1.3	0
325	Poloxamer 407 based-nanoparticles for controlled release of methotrexate. *International Journal of Pharmaceutics*, **2020**, 575, 118924	6.5	6
324	Substrate hydrophobicity and enzyme modifiers play a major role in the activity of lipase from Thermomyces lanuginosus. *Catalysis Science and Technology*, **2020**, 10, 5913-5924	5.5	5
323	Chymotrypsin catalyses the synthesis of methotrexate oligomers. *Process Biochemistry*, **2020**, 98, 193-201	4.8	3
322	Increased Encapsulation Efficiency of Methotrexate in Liposomes for Rheumatoid Arthritis Therapy. *Biomedicines*, **2020**, 8,	4.8	9
321	Improvement of bacterial cellulose nonwoven fabrics by physical entrapment of lauryl gallate oligomers. *Textile Reseach Journal*, **2020**, 90, 166-178	1.7	9
320	Effect of Additives on the Laccase-Catalyzed Polymerization of Aniline Onto Bacterial Cellulose. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 264	5.8	5
319	PTS micelles for the delivery of hydrophobic methotrexate. *International Journal of Pharmaceutics*, **2019**, 566, 282-290	6.5	5
318	Conductive bacterial cellulose by in situ laccase polymerization of aniline. *PLoS ONE*, **2019**, 14, e0214546	3.7	13
317	Catalytic Activation of Esterases by PEGylation for Polyester Synthesis. *ChemCatChem*, **2019**, 11, 2490-2499	5.2	6
316	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
315	Electrostatics of Tau Protein by Molecular Dynamics. *Biomolecules*, **2019**, 9,	5.9	14
314	Quantification of drugs encapsulated in liposomes by H NMR. *Colloids and Surfaces B: Biointerfaces*, **2019**, 179, 414-420	6	12
313	Can Laccase-Assisted Processing Conditions Influence the Structure of the Reaction Products?. *Trends in Biotechnology*, **2019**, 37, 683-686	15.1	9
312	Strategies for the synthesis of fluorinated polyesters.. *RSC Advances*, **2019**, 9, 1799-1806	3.7	3

311	Release of Fragrances from Cotton Functionalized with Carbohydrate-Binding Module Proteins. *ACS Applied Materials & Interfaces*, **2019**, 11, 28499-28506	9.5	12
310	Enzyme stabilization for biotechnological applications **2019**, 107-131		2
309	Biosynthesis of polyesters and their application on cellulosic fibers **2019**, 49-75		2
308	Chymotrypsin catalysed oligopeptide synthesis for hair modelling. *Journal of Cleaner Production*, **2019**, 237, 117743	10.3	1
307	Ultrasound-Assisted Encapsulation of Sacha Inchi (Linneo.) Oil in Alginate-Chitosan Nanoparticles. *Polymers*, **2019**, 11,	4.5	9
306	Fusion proteins with chromogenic and keratin binding modules. *Scientific Reports*, **2019**, 9, 14044	4.9	6
305	Crystallin Fusion Proteins Improve the Thermal Properties of Hair. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 298	5.8	5
304	Polymeric Hydrogel Coating for Modulating the Shape of Keratin Fiber. *Frontiers in Chemistry*, **2019**, 7, 749	5	5
303	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
302	Protective Effect of Saccharides on Freeze-Dried Liposomes Encapsulating Drugs. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 424	5.8	17
301	Coloured and low conductive fabrics by in situ laccase-catalysed polymerization. *Process Biochemistry*, **2019**, 77, 77-84	4.8	9
300	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
299	BSA/ASN/Pol407 nanoparticles for acute lymphoblastic leukemia treatment. *Biochemical Engineering Journal*, **2019**, 141, 80-88	4.2	2
298	In-situ lipase-catalyzed cotton coating with polyesters from ethylene glycol and glycerol. *Process Biochemistry*, **2018**, 66, 82-88	4.8	9
297	Absence of Albumin Improves in Vitro Cellular Uptake and Disruption of Poloxamer 407-Based Nanoparticles inside Cancer Cells. *Molecular Pharmaceutics*, **2018**, 15, 527-535	5.6	9
296	Bio-coloration of bacterial cellulose assisted by immobilized laccase. *AMB Express*, **2018**, 8, 19	4.1	22
295	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
294	Laccase: a green catalyst for the biosynthesis of poly-phenols. *Critical Reviews in Biotechnology*, **2018**, 38, 294-307	9.4	80

293	Changes on Content, Structure and Surface Distribution of Lignin in Jute Fibers After Laccase Treatment. *Journal of Natural Fibers*, **2018**, 15, 384-395	1.8	8
292	Fab antibody fragment-functionalized liposomes for specific targeting of antigen-positive cells. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 123-130	6	28
291	Keratin-based particles for protection and restoration of hair properties. *International Journal of Cosmetic Science*, **2018**, 40, 408-419	2.7	8
290	1-Aminoanthracene Transduction into Liposomes Driven by Odorant-Binding Protein Proximity. *ACS Applied Materials & Interfaces*, **2018**, 10, 27531-27539	9.5	4
289	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
288	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
287	Ultrasound-assisted extraction of hemicellulose and phenolic compounds from bamboo bast fiber powder. *PLoS ONE*, **2018**, 13, e0197537	3.7	11
286	OBP fused with cell-penetrating peptides promotes liposomal transduction. *Colloids and Surfaces B: Biointerfaces*, **2018**, 161, 645-653	6	12
285	Practical insights on enzyme stabilization. *Critical Reviews in Biotechnology*, **2018**, 38, 335-350	9.4	110
284	Ultrasound-assisted lipase catalyzed hydrolysis of aspirin methyl ester. *Ultrasonics Sonochemistry*, **2018**, 40, 587-593	8.9	13
283	Conductive Cotton by In Situ Laccase-Polymerization of Aniline. *Polymers*, **2018**, 10,	4.5	12
282	The influence of the morphological characteristics of nanoporous anodic aluminium oxide (AAO) structures on capacitive touch sensor performance: a biological application.. *RSC Advances*, **2018**, 8, 37254-37266	3.7	5
281	Internalization of Methotrexate Conjugates by Folate Receptor-□*Biochemistry*, **2018**, 57, 6780-6786	3.2	8
280	Polymers from Bamboo Extracts Produced by Laccase. *Polymers*, **2018**, 10,	4.5	6
279	Exploring PEGylated and immobilized laccases for catechol polymerization. *AMB Express*, **2018**, 8, 134	4.1	12
278	Two Engineered OBPs with opposite temperature-dependent affinities towards 1-aminoanthracene. *Scientific Reports*, **2018**, 8, 14844	4.9	5
277	Humidity Induces Changes in the Dimensions of Hydrogel-Coated Wool Yarns. *Polymers*, **2018**, 10,	4.5	6
276	Ultrasound-assisted biosynthesis of novel methotrexate-conjugates. *Ultrasonics Sonochemistry*, **2018**, 48, 51-56	8.9	13

275	The effect of high-energy environments on the structure of laccase-polymerized poly(catechol). *Ultrasonics Sonochemistry*, **2018**, 48, 275-280	8.9	17
274	Therapeutic l-asparaginase: upstream, downstream and beyond. *Critical Reviews in Biotechnology*, **2017**, 37, 82-99	9.4	77
273	Enzyme-mediated surface modification of jute and its influence on the properties of jute/epoxy composites. *Polymer Composites*, **2017**, 38, 1327-1334	3	9
272	Preparation and rheological properties of starch- g -poly(butyl acrylate) catalyzed by horseradish peroxidase. *Process Biochemistry*, **2017**, 59, 104-110	4.8	23
271	Permeation of skin with (C) fullerene dispersions. *Engineering in Life Sciences*, **2017**, 17, 732-738	3.4	5
270	Hydrophobic functionalization of jute fabrics by enzymatic-assisted grafting of vinyl copolymers. *New Journal of Chemistry*, **2017**, 41, 3773-3780	3.6	13
269	Antioxidant cosmetotextiles: Cotton coating with nanoparticles containing vitamin E. *Process Biochemistry*, **2017**, 59, 46-51	4.8	20
268	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
267	PEGylation Greatly Enhances Laccase Polymerase Activity. *ChemCatChem*, **2017**, 9, 3888-3894	5.2	15
266	Lipase-ultrasound assisted synthesis of polyesters. *Ultrasonics Sonochemistry*, **2017**, 38, 496-502	8.9	28
265	Peptide-protein interactions within human hair keratins. *International Journal of Biological Macromolecules*, **2017**, 101, 805-814	7.9	7
264	Modulating antioxidant activity and the controlled release capability of laccase mediated catechin grafting of chitosan. *Process Biochemistry*, **2017**, 59, 65-76	4.8	12
263	Ultrasound-assisted swelling of bacterial cellulose. *Engineering in Life Sciences*, **2017**, 17, 1108-1117	3.4	17
262	Oil-based cyclo-oligosaccharide nanodevices for drug encapsulation. *Colloids and Surfaces B: Biointerfaces*, **2017**, 159, 259-267	6	3
261	Effect of a peptide in cosmetic formulations for hair volume control. *International Journal of Cosmetic Science*, **2017**, 39, 600-609	2.7	6
260	Changing the shape of hair with keratin peptides. *RSC Advances*, **2017**, 7, 51581-51592	3.7	27
259	Protein-based nanoformulations for ⊞ocopherol encapsulation. *Engineering in Life Sciences*, **2017**, 17, 523-527	3.4	5
258	Detection of human neutrophil elastase (HNE) on wound dressings as marker of inflammation. *Applied Microbiology and Biotechnology*, **2017**, 101, 1443-1454	5.7	15

257	Silk-based biomaterials functionalized with fibronectin type II promotes cell adhesion. *Acta Biomaterialia*, **2017**, 47, 50-59	10.8	20
256	Enzymatic coating of cotton with poly (ethylene glutarate). *Process Biochemistry*, **2017**, 59, 91-96	4.8	6
255	Jute hydrophobization via laccase-catalyzed grafting of fluorophenol and fluoroamine. *RSC Advances*, **2016**, 6, 90427-90434	3.7	12
254	Fluorescent quantification of melanin. *Pigment Cell and Melanoma Research*, **2016**, 29, 707-712	4.5	25
253	Albumin/asparaginase capsules prepared by ultrasound to retain ammonia. *Applied Microbiology and Biotechnology*, **2016**, 100, 9499-9508	5.7	5
252	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
251	Counter ions and constituents combination affect DODAX : MO nanocarriers toxicity and. *Toxicology Research*, **2016**, 5, 1244-1255	2.6	6
250	Assessment of penetration of Ascorbyl Tetraisopalmitate into biological membranes by molecular dynamics. *Computers in Biology and Medicine*, **2016**, 75, 151-9	7	9
249	Preparation of functionalized cotton based on laccase-catalyzed synthesis of polyaniline in perfluorooctanesulfonate acid potassium salt (PFOS) template. *RSC Advances*, **2016**, 6, 49272-49280	3.7	11
248	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
247	Protein Formulations for Emulsions and Solid-in-Oil Dispersions. *Trends in Biotechnology*, **2016**, 34, 496-505	13.1	13
246	Enzymatic Hydrophobic Modification of Jute Fibers via Grafting to Reinforce Composites. *Applied Biochemistry and Biotechnology*, **2016**, 178, 1612-29	3.2	18
245	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
244	Ultrasound enhances lipase-catalyzed synthesis of poly (ethylene glutarate). *Ultrasonics Sonochemistry*, **2016**, 31, 506-11	8.9	37
243	Enzymatic phosphorylation of hair keratin enhances fast adsorption of cationic moieties. *International Journal of Biological Macromolecules*, **2016**, 85, 476-86	7.9	7
242	Folate-targeted nanoparticles for rheumatoid arthritis therapy. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2016**, 12, 1113-1126	6	84
241	Synthesis and characterization of starch-poly(methyl acrylate) graft copolymers using horseradish peroxidase. *Carbohydrate Polymers*, **2016**, 136, 1010-6	10.3	43
240	Assessment of liposome disruption to quantify drug delivery in vitro. *Biochimica Et Biophysica Acta - Biomembranes*, **2016**, 1858, 163-7	3.8	5

239	Update on Therapeutic Approaches for Rheumatoid Arthritis. *Current Medicinal Chemistry*, **2016**, 23, 2190-203	4.3	17
238	Enzymatic hydrophobization of jute fabrics and its effect on the mechanical and interfacial properties of jute/PP composites. *EXPRESS Polymer Letters*, **2016**, 10, 420-429	3.4	12
237	Enzymatic Treatments to Improve Mechanical Properties and Surface Hydrophobicity of Jute Fiber Membranes. *BioResources*, **2016**, 11,	1.3	5
236	Albumin-Based Nanodevices as Drug Carriers. *Current Pharmaceutical Design*, **2016**, 22, 1371-90	3.3	84
235	Human Hair and the Impact of Cosmetic Procedures: A Review on Cleansing and Shape-Modulating Cosmetics. *Cosmetics*, **2016**, 3, 26	2.7	30
234	Laccase-catalyzed synthesis of conducting polyaniline-lignosulfonate composite. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	5
233	In vitro phosphorylation as tool for modification of silk and keratin fibrous materials. *Applied Microbiology and Biotechnology*, **2016**, 100, 4337-45	5.7	3
232	Insights on the mechanical behavior of keratin fibrils. *International Journal of Biological Macromolecules*, **2016**, 89, 477-83	7.9	9
231	Antimicrobial lubricant formulations containing poly(hydroxybenzene)-trimethoprim conjugates synthesized by tyrosinase. *Applied Microbiology and Biotechnology*, **2015**, 99, 4225-35	5.7	
230	Enzymatic synthesis of poly(catechin)-antibiotic conjugates: an antimicrobial approach for indwelling catheters. *Applied Microbiology and Biotechnology*, **2015**, 99, 637-51	5.7	13
229	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
228	Peptide Anchor for Folate-Targeted Liposomal Delivery. *Biomacromolecules*, **2015**, 16, 2904-10	6.9	31
227	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
226	Size controlled protein nanoemulsions for active targeting of folate receptor positive cells. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 90-98	6	22
225	HRP-mediated polyacrylamide graft modification of raw jute fabric. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 116, 29-38		23
224	Orange IV stabilizes silk fibroin microemulsions. *Engineering in Life Sciences*, **2015**, 15, 400-409	3.4	2
223	Hair Coloration by Gene Regulation: Fact or Fiction?. *Trends in Biotechnology*, **2015**, 33, 707-711	15.1	9
222	Enhancing Methotrexate Tolerance with Folate Tagged Liposomes in Arthritic Mice. *Journal of Biomedical Nanotechnology*, **2015**, 11, 2243-52	4	45

221	Improved Poly (D,L-lactide) nanoparticles-based formulation for hair follicle targeting. *International Journal of Cosmetic Science*, **2015**, 37, 282-90	2.7	12
220	Design of liposomal formulations for cell targeting. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 514-26	3.7	91
219	Enzymatic processing of protein-based fibers. *Applied Microbiology and Biotechnology*, **2015**, 99, 10387-97	3.7	31
218	Jute/polypropylene composites: Effect of enzymatic modification on thermo-mechanical and dynamic mechanical properties. *Fibers and Polymers*, **2015**, 16, 2276-2283	2	16
217	Ultrasound enhanced laccase applications. *Green Chemistry*, **2015**, 17, 1362-1374	10	42
216	Phosphorylated silk fibroin matrix for methotrexate release. *Molecular Pharmaceutics*, **2015**, 12, 75-86	5.6	7
215	Functionalized protein nanoemulsions by incorporation of chemically modified BSA. *RSC Advances*, **2015**, 5, 4976-4983	3.7	17
214	Stabilization of enzymes in micro-emulsions for ultrasound processes. *Biochemical Engineering Journal*, **2015**, 93, 115-118	4.2	10
213	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
212	Exposure Assessment Based Recommendations to Improve Nanosafety at Nanoliposome Production Sites. *Journal of Nanomaterials*, **2015**, 2015, 1-10	3.2	9
211	Hydrophobic surface functionalization of lignocellulosic jute fabrics by enzymatic grafting of octadecylamine. *International Journal of Biological Macromolecules*, **2015**, 79, 353-62	7.9	36
210	Development of elastin-like recombinamer films with antimicrobial activity. *Biomacromolecules*, **2015**, 16, 625-35	6.9	24
209	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
208	Assessment of a Protease Inhibitor Peptide for Anti-Ageing. *Protein and Peptide Letters*, **2015**, 22, 1041-9	1.9	3
207	Odorant binding proteins: a biotechnological tool for odour control. *Applied Microbiology and Biotechnology*, **2014**, 98, 3629-38	5.7	16
206	Protein micro- and nano-capsules for biomedical applications. *Chemical Society Reviews*, **2014**, 43, 1361-75	38.5	90
205	Sonochemically-induced spectral shift as a probe of green fluorescent protein release from nano capsules. *RSC Advances*, **2014**, 4, 10303-10309	3.7	1
204	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

203	Conductive cotton prepared by polyaniline in situ polymerization using laccase. *Applied Biochemistry and Biotechnology*, **2014**, 174, 820-31	3.2	24
202	Design of novel BSA/hyaluronic acid nanodispersions for transdermal pharma purposes. *Molecular Pharmaceutics*, **2014**, 11, 1479-88	5.6	18
201	Ultrasonic pilot-scale reactor for enzymatic bleaching of cotton fabrics. *Ultrasonics Sonochemistry*, **2014**, 21, 1535-43	8.9	31
200	Laccase coating of catheters with poly(catechin) for biofilm reduction. *Biocatalysis and Biotransformation*, **2014**, 32, 2-12	2.5	8
199	Sonochemical and hydrodynamic cavitation reactors for laccase/hydrogen peroxide cotton bleaching. *Ultrasonics Sonochemistry*, **2014**, 21, 774-81	8.9	27
198	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	
197	Characterization of ligno-cellulosic materials bleached with oxo-diperoxo-molybdates. *Carbohydrate Polymers*, **2013**, 98, 490-4	10.3	2
196	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
195	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
194	Proteinaceous microspheres for targeted RNA delivery prepared by an ultrasonic emulsification method. *Journal of Materials Chemistry B*, **2013**, 1, 82-90	7.3	14
193	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
192	Keratins and lipids in ethnic hair. *International Journal of Cosmetic Science*, **2013**, 35, 244-9	2.7	33
191	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
190	Liposome and protein based stealth nanoparticles. *Faraday Discussions*, **2013**, 166, 417-29	3.6	24
189	Chitosan-lignosulfonates sono-chemically prepared nanoparticles: characterisation and potential applications. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 1-8	6	61
188	HSA nanocapsules functionalized with monoclonal antibodies for targeted drug delivery. *International Journal of Pharmaceutics*, **2013**, 458, 1-8	6.5	11
187	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
186	Lipases efficiently stearate and cutinases acetylate the surface of arabinoxylan films. *Journal of Biotechnology*, **2013**, 167, 16-23	3.7	9

185	Nonionic surfactants and dispersants for biopolishing and stonewashing with Hypocrea jecorina cellulases. *Coloration Technology*, **2013**, 129, 49-54	2	8
184	In vitro induction of melanin synthesis and extrusion by tamoxifen. *International Journal of Cosmetic Science*, **2013**, 35, 368-74	2.7	6
183	NMR and molecular modelling studies on elastase inhibitor-peptides for wound management. *Reactive and Functional Polymers*, **2013**, 73, 1357-1365	4.6	6
182	Direct enzymatic esterification of cotton and Avicel with wild-type and engineered cutinases. *Cellulose*, **2013**, 20, 409-416	5.5	9
181	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
180	The use of keratin in biomedical applications. *Current Drug Targets*, **2013**, 14, 612-9	3	76
179	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
178	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
177	Fragrance release profile from sonochemically prepared protein microsphere containers. *Ultrasonics Sonochemistry*, **2012**, 19, 858-63	8.9	32
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	Sonochemical coating of cotton and polyester fabrics with "antibacterial" BSA and casein spheres. *Chemistry - A European Journal*, **2012**, 18, 365-9	4.8	27
174	Laccase-catalysed protein-flavonoid conjugates for flax fibre modification. *Applied Microbiology and Biotechnology*, **2012**, 93, 585-600	5.7	50
173	Wound-healing evaluation of entrapped active agents into protein microspheres over cellulosic gauzes. *Biotechnology Journal*, **2012**, 7, 1376-85	5.6	9
172	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
171	Protein disulphide isomerase-induced refolding of sonochemically prepared Ribonuclease A microspheres. *Journal of Biotechnology*, **2012**, 159, 78-82	3.7	3
170	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
169	Non-toxic sonochemical synthesis of surface functionalized human serum albumin nanocapsules for targeted drug delivery. *New Biotechnology*, **2012**, 29, S228	6.4	
168	Bio-processing of bamboo fibres for textile applications: a mini review. *Biocatalysis and Biotransformation*, **2012**, 30, 141-153	2.5	19

167	Protein disulphide isomerase-mediated grafting of cysteine-containing peptides onto over-bleached hair. *Biocatalysis and Biotransformation*, **2012**, 30, 10-19	2.5	22
166	Enzymatic colouration with laccase and peroxidases: Recent progress. *Biocatalysis and Biotransformation*, **2012**, 30, 125-140	2.5	26
165	Insights on the mechanism of formation of protein microspheres in a biphasic system. *Molecular Pharmaceutics*, **2012**, 9, 3079-88	5.6	36
164	Novel silk fibroin/elastin wound dressings. *Acta Biomaterialia*, **2012**, 8, 3049-60	10.8	185
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