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	Biotechnology of functional proteins and peptides for hair cosmetic formulations. Trends in Biotechnology, 2022, 40, 591-605.	9.3	15
2	Grafting of Poly(tyrosine) by Laccase Improves the Tensile Strength and Anti-shrinkage of Wool. Journal of Natural Fibers, 2022, 19, 10979-10991.	3.1	7
3	Folate-Targeted Liposomal Formulations Improve Effects of Methotrexate in Murine Collagen-Induced Arthritis. Biomedicines, 2022, 10, 229.	3.2	3
4	Chemical modification of lipases: A powerful tool for activity improvement. Biotechnology Journal, 2022, 17, e2100523.	3.5	5
5	Green Extraction of Cork Bioactive Compounds Using Natural Deep Eutectic Mixtures. ACS Sustainable Chemistry and Engineering, 2022, 10, 7974-7989.	6.7	20
6	Laccase-catalyzed cross-linking of BSA mediated by tyrosine. International Journal of Biological Macromolecules, 2021, 166, 798-805.	7.5	16
7	Ohmic heating as a new tool for protein scaffold engineering. Materials Science and Engineering C, 2021, 120, 111784.	7.3	5
8	The Structural Properties of Odorants Modulate Their Association to Human Odorant Binding Protein. Biomolecules, 2021, 11, 145.	4.0	4
9	Biotechnological applications of mammalian odorant-binding proteins. Critical Reviews in Biotechnology, 2021, 41, 441-455.	9.0	12
10	Cellulose Dissolved in Ionic Liquids for Modification of the Shape of Keratin Fibers. ACS Sustainable Chemistry and Engineering, 2021, 9, 4102-4110.	6.7	19
11	Hair resistance to mechanical wear. Wear, 2021, 470-471, 203612.	3.1	3
12	Design of liposomes as drug delivery system for therapeutic applications. International Journal of Pharmaceutics, 2021, 601, 120571.	5.2	406
13	Proteins as Hair Styling Agents. Applied Sciences (Switzerland), 2021, 11, 4245.	2.5	5
14	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.	5.2	2
15	Chemically Modified Lipase from Thermomyces lanuginosus with Enhanced Esterification and Transesterification Activities. ChemCatChem, 2021, 13, 4524-4531.	3.7	4
16	Effect of ultrasound on protein functionality. Ultrasonics Sonochemistry, 2021, 76, 105653.	8.2	64
17	Absence of Light Exposure Increases Pathogenicity of Pseudomonas aeruginosa Pneumonia-Associated Clinical Isolates. Biology, 2021, 10, 837.	2.8	1
18	Changing the shape of wool yarns via laccase-mediated grafting of tyrosine. Journal of Biotechnology, 2021, 339, 73-80.	3.8	3

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19	Production of antimicrobial powders of guaiacol oligomers by a laccase-catalyzed synthesis reaction. Process Biochemistry, 2021, 111, 213-220.	3.7	7
20	Mapping hair follicle-targeted delivery by particle systems: What has science accomplished so far?. International Journal of Pharmaceutics, 2021, 610, 121273.	5.2	7
21	Development of Capacitive-Type Sensors by Electrochemical Anodization: Humidity and Touch Sensing Applications. Sensors, 2021, 21, 7317.	3.8	2
22	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.	2.8	7
23	Improvement of bacterial cellulose nonwoven fabrics by physical entrapment of lauryl gallate oligomers. Textile Reseach Journal, 2020, 90, 166-178.	2.2	15
24	Poloxamer 407 based-nanoparticles for controlled release of methotrexate. International Journal of Pharmaceutics, 2020, 575, 118924.	5.2	12
25	Substrate hydrophobicity and enzyme modifiers play a major role in the activity of lipase fromThermomyces lanuginosus. Catalysis Science and Technology, 2020, 10, 5913-5924.	4.1	19
26	Î±-Chymotrypsin catalyses the synthesis of methotrexate oligomers. Process Biochemistry, 2020, 98, 193-201.	3.7	4
27	Increased Encapsulation Efficiency of Methotrexate in Liposomes for Rheumatoid Arthritis Therapy. Biomedicines, 2020, 8, 630.	3.2	21
28	Carboxymethyl Cellulose (CMC) as a Template for Laccase-Assisted Oxidation of Aniline. Frontiers in Bioengineering and Biotechnology, 2020, 8, 438.	4.1	10
29	Zein impart hydrophobic and antimicrobial properties to cotton textiles. Reactive and Functional Polymers, 2020, 154, 104664.	4.1	22
30	Cyclosporin A-loaded poly(<scp>d,l</scp>-lactide) nanoparticles: a promising tool for treating alopecia. Nanomedicine, 2020, 15, 1459-1469.	3.3	13
31	Stratum corneum lipid matrix with unusual packing: A molecular dynamics study. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110928.	5.0	20
32	Ohmic heating as an innovative approach for the production of keratin films. International Journal of Biological Macromolecules, 2020, 150, 671-680.	7.5	21
33	Antimicrobial Properties of Composites of Chitosan-Silver Doped Zeolites. Journal of Nanoscience and Nanotechnology, 2020, 20, 6295-6304.	0.9	2
34	Release of Fragrances from Cotton Functionalized with Carbohydrate-Binding Module Proteins. ACS Applied Materials & Interfaces, 2019, 11, 28499-28506.	8.0	16
35	Enzyme stabilization for biotechnological applications. , 2019, , 107-131.		3
36	Biosynthesis of polyesters and their application on cellulosic fibers. , 2019, , 49-75.		2

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37	Î±-Chymotrypsin catalysed oligopeptide synthesis for hair modelling. Journal of Cleaner Production, 2019, 237, 117743.	9.3	2
38	Ultrasound-Assisted Encapsulation of Sacha Inchi (Plukenetia volubilis Linneo.) Oil in Alginate-Chitosan Nanoparticles. Polymers, 2019, 11, 1245.	4.5	21
39	Fusion proteins with chromogenic and keratin binding modules. Scientific Reports, 2019, 9, 14044.	3.3	12
40	Crystallin Fusion Proteins Improve the Thermal Properties of Hair. Frontiers in Bioengineering and Biotechnology, 2019, 7, 298.	4.1	7
41	Effect of Additives on the in situ Laccase-Catalyzed Polymerization of Aniline Onto Bacterial Cellulose. Frontiers in Bioengineering and Biotechnology, 2019, 7, 264.	4.1	9
42	PTS micelles for the delivery of hydrophobic methotrexate. International Journal of Pharmaceutics, 2019, 566, 282-290.	5.2	6
43	Conductive bacterial cellulose by in situ laccase polymerization of aniline. PLoS ONE, 2019, 14, e0214546.	2.5	18
44	Catalytic Activation of Esterases by PEGylation for Polyester Synthesis. ChemCatChem, 2019, 11, 2490-2499.	3.7	11
45	Design of a chromogenic substrate for elastase based on split GFP systemâ€"Proof of concept for colour switch sensors. Biotechnology Reports (Amsterdam, Netherlands), 2019, 22, e00324.	4.4	2
46	Electrostatics of Tau Protein by Molecular Dynamics. Biomolecules, 2019, 9, 116.	4.0	23
47	Quantification of drugs encapsulated in liposomes by 1H NMR. Colloids and Surfaces B: Biointerfaces, 2019, 179, 414-420.	5.0	21
48	Can Laccase-Assisted Processing Conditions Influence the Structure of the Reaction Products?. Trends in Biotechnology, 2019, 37, 683-686.	9.3	15
49	Strategies for the synthesis of fluorinated polyesters. RSC Advances, 2019, 9, 1799-1806.	3.6	4
50	Polymeric Hydrogel Coating for Modulating the Shape of Keratin Fiber. Frontiers in Chemistry, 2019, 7, 749.	3.6	9
51	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
52	Protective Effect of Saccharides on Freeze-Dried Liposomes Encapsulating Drugs. Frontiers in Bioengineering and Biotechnology, 2019, 7, 424.	4.1	45
53	Coloured and low conductive fabrics by in situ laccase-catalysed polymerization. Process Biochemistry, 2019, 77, 77-84.	3.7	12
54	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

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55	BSA/ASN/Pol407 nanoparticles for acute lymphoblastic leukemia treatment. Biochemical Engineering Journal, 2019, 141, 80-88.	3.6	3
56	â€œIn-situâ€•lipase-catalyzed cotton coating with polyesters from ethylene glycol and glycerol. Process Biochemistry, 2018, 66, 82-88.	3.7	12
57	Absence of Albumin Improves in Vitro Cellular Uptake and Disruption of Poloxamer 407-Based Nanoparticles inside Cancer Cells. Molecular Pharmaceutics, 2018, 15, 527-535.	4.6	12
58	Bio-coloration of bacterial cellulose assisted by immobilized laccase. AMB Express, 2018, 8, 19.	3.0	26
59	Enzymatic modification of jute fabrics for enhancing the reinforcement in jute/PP composites. Journal of Thermoplastic Composite Materials, 2018, 31, 483-499.	4.2	17
60	Laccase: a green catalyst for the biosynthesis of poly-phenols. Critical Reviews in Biotechnology, 2018, 38, 294-307.	9.0	134
61	Changes on Content, Structure and Surface Distribution of Lignin in Jute Fibers After Laccase Treatment. Journal of Natural Fibers, 2018, 15, 384-395.	3.1	16
62	Fab antibody fragment-functionalized liposomes for specific targeting of antigen-positive cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 123-130.	3.3	39
63	OBP fused with cell-penetrating peptides promotes liposomal transduction. Colloids and Surfaces B: Biointerfaces, 2018, 161, 645-653.	5.0	17
64	Practical insights on enzyme stabilization. Critical Reviews in Biotechnology, 2018, 38, 335-350.	9.0	152
65	Ultrasound-assisted lipase catalyzed hydrolysis of aspirin methyl ester. Ultrasonics Sonochemistry, 2018, 40, 587-593.	8.2	22
66	Conductive Cotton by In Situ Laccase-Polymerization of Aniline. Polymers, 2018, 10, 1023.	4.5	19
67	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.	3.6	9
68	Internalization of Methotrexate Conjugates by Folate Receptor-Î±. Biochemistry, 2018, 57, 6780-6786.	2.5	12
69	Polymers from Bamboo Extracts Produced by Laccase. Polymers, 2018, 10, 1141.	4.5	9
70	Exploring PEGylated and immobilized laccases for catechol polymerization. AMB Express, 2018, 8, 134.	3.0	19
71	Two Engineered OBPs with opposite temperature-dependent affinities towards 1-aminoanthracene. Scientific Reports, 2018, 8, 14844.	3.3	8
72	Humidity Induces Changes in the Dimensions of Hydrogel-Coated Wool Yarns. Polymers, 2018, 10, 260.	4.5	8

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73	Ultrasound-assisted biosynthesis of novel methotrexate-conjugates. Ultrasonics Sonochemistry, 2018, 48, 51-56.	8.2	16
74	The effect of high-energy environments on the structure of laccase-polymerized poly(catechol). Ultrasonics Sonochemistry, 2018, 48, 275-280.	8.2	23
75	Keratinâ€based particles for protection and restoration of hair properties. International Journal of Cosmetic Science, 2018, 40, 408-419.	2.6	19
76	1-Aminoanthracene Transduction into Liposomes Driven by Odorant-Binding Protein Proximity. ACS Applied Materials & Interfaces, 2018, 10, 27531-27539.	8.0	5
77	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
78	Enzymatic polymerization of catechol under high-pressure homogenization for the green coloration of textiles. Journal of Cleaner Production, 2018, 202, 792-798.	9.3	17
79	Ultrasound-assisted extraction of hemicellulose and phenolic compounds from bamboo bast fiber powder. PLoS ONE, 2018, 13, e0197537.	2.5	12
80	Therapeutic<scp>l</scp>-asparaginase: upstream, downstream and beyond. Critical Reviews in Biotechnology, 2017, 37, 82-99.	9.0	109
81	Enzymeâ€mediated surface modification of jute and its influence on the properties of jute/epoxy composites. Polymer Composites, 2017, 38, 1327-1334.	4.6	13
82	Preparation and rheological properties of starch- g -poly(butyl acrylate) catalyzed by horseradish peroxidase. Process Biochemistry, 2017, 59, 104-110.	3.7	33
83	Permeation of skin with (C₆₀) fullerene dispersions. Engineering in Life Sciences, 2017, 17, 732-738.	3.6	8
84	Hydrophobic functionalization of jute fabrics by enzymatic-assisted grafting of vinyl copolymers. New Journal of Chemistry, 2017, 41, 3773-3780.	2.8	18
85	Antioxidant cosmetotextiles: Cotton coating with nanoparticles containing vitamin E. Process Biochemistry, 2017, 59, 46-51.	3.7	34
86	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
87	PEGylation Greatly Enhances Laccase Polymerase Activity. ChemCatChem, 2017, 9, 3888-3894.	3.7	20
88	Lipase-ultrasound assisted synthesis of polyesters. Ultrasonics Sonochemistry, 2017, 38, 496-502.	8.2	29
89	Peptideâ€”protein interactions within human hair keratins. International Journal of Biological Macromolecules, 2017, 101, 805-814.	7.5	17
90	Modulating antioxidant activity and the controlled release capability of laccase mediated catechin grafting of chitosan. Process Biochemistry, 2017, 59, 65-76.	3.7	23

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91	Ultrasoundâ€assisted swelling of bacterial cellulose. Engineering in Life Sciences, 2017, 17, 1108-1117.	3.6	21
92	Oil-based cyclo-oligosaccharide nanodevices for drug encapsulation. Colloids and Surfaces B: Biointerfaces, 2017, 159, 259-267.	5.0	5
93	Effect of a peptide in cosmetic formulations for hair volume control. International Journal of Cosmetic Science, 2017, 39, 600-609.	2.6	10
94	Changing the shape of hair with keratin peptides. RSC Advances, 2017, 7, 51581-51592.	3.6	38
95	Proteinâ€based nanoformulations for Î±â€tocopherol encapsulation. Engineering in Life Sciences, 2017, 17, 523-527.	3.6	6
96	Detection of human neutrophil elastase (HNE) on wound dressings as marker of inflammation. Applied Microbiology and Biotechnology, 2017, 101, 1443-1454.	3.6	27
97	Silk-based biomaterials functionalized with fibronectin type II promotes cell adhesion. Acta Biomaterialia, 2017, 47, 50-59.	8.3	27
98	Enzymatic coating of cotton with poly (ethylene glutarate). Process Biochemistry, 2017, 59, 91-96.	3.7	8
99	Enzymatic Treatments to Improve Mechanical Properties and Surface Hydrophobicity of Jute Fiber Membranes. BioResources, 2016, 11, .	1.0	7
100	Albumin-Based Nanodevices as Drug Carriers. Current Pharmaceutical Design, 2016, 22, 1371-1390.	1.9	134
101	Human Hair and the Impact of Cosmetic Procedures: A Review on Cleansing and Shape-Modulating Cosmetics. Cosmetics, 2016, 3, 26.	3.3	52
102	Laccaseâ€catalyzed synthesis of conducting polyanilineâ€lignosulfonate composite. Journal of Applied Polymer Science, 2016, 133, .	2.6	6
103	In vitro phosphorylation as tool for modification of silk and keratin fibrous materials. Applied Microbiology and Biotechnology, 2016, 100, 4337-4345.	3.6	3
104	Insights on the mechanical behavior of keratin fibrils. International Journal of Biological Macromolecules, 2016, 89, 477-483.	7.5	13
105	Jute hydrophobization via laccase-catalyzed grafting of fluorophenol and fluoroamine. RSC Advances, 2016, 6, 90427-90434.	3.6	12
106	Fluorescent quantification of melanin. Pigment Cell and Melanoma Research, 2016, 29, 707-712.	3.3	44
107	Albumin/asparaginase capsules prepared by ultrasound to retain ammonia. Applied Microbiology and Biotechnology, 2016, 100, 9499-9508.	3.6	10
108	BSA/HSA ratio modulates the properties of Ca2+-induced cold gelation scaffolds. International Journal of Biological Macromolecules, 2016, 89, 535-544.	7.5	9

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109	Counter ions and constituents combination affect DODAXâ€‰:â€‰MO nanocarriers toxicity in vitro and in vivo. Toxicology Research, 2016, 5, 1244-1255.	2.1	11
110	Assessment of penetration of Ascorbyl Tetraisopalmitate into biological membranes by molecular dynamics. Computers in Biology and Medicine, 2016, 75, 151-159.	7.0	10
111	Preparation of functionalized cotton based on laccase-catalyzed synthesis of polyaniline in perfluorooctanesulfonate acid potassium salt (PFOS) template. RSC Advances, 2016, 6, 49272-49280.	3.6	12
112	A biologically active delivery material with dried-rehydrated vesicles containing the anti-inflammatory diclofenac for potential wound healing. Journal of Liposome Research, 2016, 26, 269-275.	3.3	8
113	Protein Formulations for Emulsions and Solid-in-Oil Dispersions. Trends in Biotechnology, 2016, 34, 496-505.	9.3	18
114	Enzymatic Hydrophobic Modification of Jute Fibers via Grafting to Reinforce Composites. Applied Biochemistry and Biotechnology, 2016, 178, 1612-1629.	2.9	19
115	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.	2.4	8
116	Ultrasound enhances lipase-catalyzed synthesis of poly (ethylene glutarate). Ultrasonics Sonochemistry, 2016, 31, 506-511.	8.2	44
117	Enzymatic phosphorylation of hair keratin enhances fast adsorption of cationic moieties. International Journal of Biological Macromolecules, 2016, 85, 476-486.	7.5	10
118	Folate-targeted nanoparticles for rheumatoid arthritis therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1113-1126.	3.3	112
119	Synthesis and characterization of starch-poly(methyl acrylate) graft copolymers using horseradish peroxidase. Carbohydrate Polymers, 2016, 136, 1010-1016.	10.2	51
120	Assessment of liposome disruption to quantify drug delivery in vitro. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 163-167.	2.6	9
121	Update on Therapeutic Approaches for Rheumatoid Arthritis. Current Medicinal Chemistry, 2016, 23, 2190-2203.	2.4	19
122	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.	2.1	12
123	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
124	Exposure Assessment Based Recommendations to Improve Nanosafety at Nanoliposome Production Sites. Journal of Nanomaterials, 2015, 2015, 1-10.	2.7	16
125	Hydrophobic surface functionalization of lignocellulosic jute fabrics by enzymatic grafting of octadecylamine. International Journal of Biological Macromolecules, 2015, 79, 353-362.	7.5	42
126	Development of Elastin-Like Recombinamer Films with Antimicrobial Activity. Biomacromolecules, 2015, 16, 625-635.	5.4	29

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127	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.	3.6	18
128	Antimicrobial lubricant formulations containing poly(hydroxybenzene)-trimethoprim conjugates synthesized by tyrosinase. Applied Microbiology and Biotechnology, 2015, 99, 4225-4235.	3.6	0
129	Enzymatic synthesis of poly(catechin)-antibiotic conjugates: an antimicrobial approach for indwelling catheters. Applied Microbiology and Biotechnology, 2015, 99, 637-651.	3.6	16
130	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
131	Peptide Anchor for Folate-Targeted Liposomal Delivery. Biomacromolecules, 2015, 16, 2904-2910.	5.4	34
132	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
133	Size controlled protein nanoemulsions for active targeting of folate receptor positive cells. Colloids and Surfaces B: Biointerfaces, 2015, 135, 90-98.	5.0	26
134	HRP-mediated polyacrylamide graft modification of raw jute fabric. Journal of Molecular Catalysis B: Enzymatic, 2015, 116, 29-38.	1.8	27
135	Orange IV stabilizes silk fibroin microemulsions. Engineering in Life Sciences, 2015, 15, 400-409.	3.6	2
136	Hair Coloration by Gene Regulation: Fact or Fiction?. Trends in Biotechnology, 2015, 33, 707-711.	9.3	13
137	Enhancing Methotrexate Tolerance with Folate Tagged Liposomes in Arthritic Mice. Journal of Biomedical Nanotechnology, 2015, 11, 2243-2252.	1.1	56
138	Improved Poly (D,Lâ€lactide) nanoparticlesâ€based formulation for hair follicle targeting. International Journal of Cosmetic Science, 2015, 37, 282-290.	2.6	14
139	Design of liposomal formulations for cell targeting. Colloids and Surfaces B: Biointerfaces, 2015, 136, 514-526.	5.0	126
140	Enzymatic processing of protein-based fibers. Applied Microbiology and Biotechnology, 2015, 99, 10387-10397.	3.6	37
141	Jute/polypropylene composites: Effect of enzymatic modification on thermo-mechanical and dynamic mechanical properties. Fibers and Polymers, 2015, 16, 2276-2283.	2.1	21
142	Ultrasound enhanced laccase applications. Green Chemistry, 2015, 17, 1362-1374.	9.0	52
143	Phosphorylated Silk Fibroin Matrix for Methotrexate Release. Molecular Pharmaceutics, 2015, 12, 75-86.	4.6	10
144	Functionalized protein nanoemulsions by incorporation of chemically modified BSA. RSC Advances, 2015, 5, 4976-4983.	3.6	19

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145	Stabilization of enzymes in micro-emulsions for ultrasound processes. Biochemical Engineering Journal, 2015, 93, 115-118.	3.6	12
146	Assessment of a Protease Inhibitor Peptide for Anti-Ageing. Protein and Peptide Letters, 2015, 22, 1041-1049.	0.9	3
147	Laccase coating of catheters with poly(catechin) for biofilm reduction. Biocatalysis and Biotransformation, 2014, 32, 2-12.	2.0	12
148	Sonochemical and hydrodynamic cavitation reactors for laccase/hydrogen peroxide cotton bleaching. Ultrasonics Sonochemistry, 2014, 21, 774-781.	8.2	31
149	Odorant binding proteins: a biotechnological tool for odour control. Applied Microbiology and Biotechnology, 2014, 98, 3629-3638.	3.6	26
150	Protein micro- and nano-capsules for biomedical applications. Chemical Society Reviews, 2014, 43, 1361-1371.	38.1	110
151	Sonochemically-induced spectral shift as a probe of green fluorescent protein release from nano capsules. RSC Advances, 2014, 4, 10303-10309.	3.6	2
152	Phosphorylation of silk fibroins improves the cytocompatibility of silk fibroin derived materials: A platform for the production of tuneable material. Biotechnology Journal, 2014, 9, 1267-1278.	3.5	8
153	Conductive Cotton Prepared by Polyaniline In Situ Polymerization Using Laccase. Applied Biochemistry and Biotechnology, 2014, 174, 820-831.	2.9	26
154	Design of Novel BSA/Hyaluronic Acid Nanodispersions for Transdermal Pharma Purposes. Molecular Pharmaceutics, 2014, 11, 1479-1488.	4.6	22
155	Ultrasonic pilot-scale reactor for enzymatic bleaching of cotton fabrics. Ultrasonics Sonochemistry, 2014, 21, 1535-1543.	8.2	38
156	Gene Silencing by siRNA Nanoparticles Synthesized via Sonochemical Method. Journal of Nanomedicine & Nanotechnology, 2014, 05, .	1.1	0
157	The Immobilization of Polyethylene Imine Nano and Microspheres on Glass Using High Intensity Ultrasound. International Journal of Applied Ceramic Technology, 2013, 10, E267.	2.1	1
158	Characterization of ligno-cellulosic materials bleached with oxo-diperoxo-molybdates. Carbohydrate Polymers, 2013, 98, 490-494.	10.2	2
159	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
160	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
161	Proteinaceous microspheres for targeted RNA delivery prepared by an ultrasonic emulsification method. Journal of Materials Chemistry B, 2013, 1, 82-90.	5.8	16
162	Potential of human Î³<scp>D</scp>â€crystallin for hair damage repair: insights into the mechanical properties and biocompatibility. International Journal of Cosmetic Science, 2013, 35, 458-466.	2.6	19

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163	Keratins and lipids in ethnic hair. International Journal of Cosmetic Science, 2013, 35, 244-249.	2.6	47
164	Enzymatic synthesis of antibody-human serum albumin conjugate for targeted drug delivery using tyrosinase from Agaricus bisporus. RSC Advances, 2013, 3, 1460-1467.	3.6	16
165	Liposome and protein based stealth nanoparticles. Faraday Discussions, 2013, 166, 417.	3.2	26
166	Chitosanâ€“lignosulfonates sono-chemically prepared nanoparticles: Characterisation and potential applications. Colloids and Surfaces B: Biointerfaces, 2013, 103, 1-8.	5.0	81
167	HSA nanocapsules functionalized with monoclonal antibodies for targeted drug delivery. International Journal of Pharmaceutics, 2013, 458, 1-8.	5.2	15
168	The activity of LE10 peptide on biological membranes using molecular dynamics, in vitro and in vivo studies. Colloids and Surfaces B: Biointerfaces, 2013, 106, 240-247.	5.0	10
169	Lipases efficiently stearate and cutinases acetylate the surface of arabinoxylan films. Journal of Biotechnology, 2013, 167, 16-23.	3.8	10
170	Nonionic surfactants and dispersants for biopolishing and stonewashing withHypocrea jecorinacellulases. Coloration Technology, 2013, 129, 49-54.	1.5	10
171	In vitro induction of melanin synthesis and extrusion by tamoxifen. International Journal of Cosmetic Science, 2013, 35, 368-374.	2.6	6
172	NMR and molecular modelling studies on elastase inhibitor-peptides for wound management. Reactive and Functional Polymers, 2013, 73, 1357-1365.	4.1	6
173	Direct enzymatic esterification of cotton and Avicel with wild-type and engineered cutinases. Cellulose, 2013, 20, 409-416.	4.9	9
174	Production of heterologous cutinases by E. coli and improved enzyme formulation for application on plastic degradation. Electronic Journal of Biotechnology, 2013, 16, .	2.2	11
175	The Use of Keratin in Biomedical Applications. Current Drug Targets, 2013, 14, 612-619.	2.1	90
176	Effects of adsorption properties and mechanical agitation of two detergent cellulases towards cotton cellulose. Biocatalysis and Biotransformation, 2012, 30, 260-271.	2.0	8
177	Decolourization of paprika dye effluent with hydrogen peroxide produced by glucose oxidase. Biocatalysis and Biotransformation, 2012, 30, 255-259.	2.0	1
178	Hydroxylation of polypropylene using the monooxygenase mutant 139-3 fromBacillus megaterium BM3. Biocatalysis and Biotransformation, 2012, 30, 57-62.	2.0	1
179	Protein disulphide isomerase-assisted functionalization of proteinaceous substrates. Biocatalysis and Biotransformation, 2012, 30, 111-124.	2.0	4
180	Woundâ€healing evaluation of entrapped active agents into protein microspheres over cellulosic gauzes. Biotechnology Journal, 2012, 7, 1376-1385.	3.5	11

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181	Influence of secretory leukocyte protease inhibitorâ€based peptides on elastase activity and their incorporation in hyaluronic acid hydrogels for chronic wound therapy. Biopolymers, 2012, 98, 576-590.	2.4	9
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