Tony Collins

List of Publications by Year in descending order

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39	4,853	279701 23	345118 36
papers	citations	h-index	g-index

42	42	42	5054
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development and Characterization of Monoolein-Based Liposomes of Carvacrol, Cinnamaldehyde, Citral, or Thymol with Anti- Candida Activities. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	10
2	Microbial ecology of the cryosphere (glacial and permafrost habitats): current knowledge. Applied Microbiology and Biotechnology, 2019, 103, 2537-2549.	1.7	110
3	Psychrophilic lifestyles: mechanisms of adaptation and biotechnological tools. Applied Microbiology and Biotechnology, 2019, 103, 2857-2871.	1.7	158
4	Conditions promoting effective very high gravity sugarcane juice fermentation. Biotechnology for Biofuels, 2018, 11, 251.	6.2	13
5	Quantitative assessment of DNA damage in the industrial ethanol production strain Saccharomyces cerevisiae PE-2. FEMS Yeast Research, 2018, 18, .	1.1	2
6	Inverse PCR for Point Mutation Introduction. Methods in Molecular Biology, 2017, 1620, 87-100.	0.4	30
7	Deciphering the factors defining the pH-dependence of a commercial glycoside hydrolase family 8 enzyme. Enzyme and Microbial Technology, 2017, 96, 163-169.	1.6	9
8	Silk-based biomaterials functionalized with fibronectin type II promotes cell adhesion. Acta Biomaterialia, 2017, 47, 50-59.	4.1	27
9	Enzyme Catalysis in Psychrophiles. , 2017, , 209-235.		9
10	Biotechnological Aspects of Cold-Active Enzymes. , 2017, , 461-475.		12
11	Antibiotic free selection for the high level biosynthesis of a silk-elastin-like protein. Scientific Reports, 2016, 6, 39329.	1.6	8
12	Activityâ€“stability relationships revisited in blue oxidases catalyzing electron transfer at extreme temperatures. Extremophiles, 2016, 20, 621-629.	0.9	12
13	Exploring the Properties of Genetically Engineered Silkâ€Elastinâ€Like Protein Films. Macromolecular Bioscience, 2015, 15, 1698-1709.	2.1	22
14	DODAB:monoolein liposomes containing Candida albicans cell wall surface proteins: A novel adjuvant and delivery system. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 89, 190-200.	2.0	25
15	Development of Elastin-Like Recombinamer Films with Antimicrobial Activity. Biomacromolecules, 2015, 16, 625-635.	2.6	29
16	High Level Biosynthesis of a Silk-Elastin-like Protein in E. coli. Biomacromolecules, 2014, 15, 2701-2708.	2.6	24
17	High level expression and facile purification of recombinant silk-elastin-like polymers in auto induction shake flask cultures. AMB Express, 2013, 3, 11.	1.4	33
18	Batch production of a silk-elastin-like protein in E. coli BL21(DE3): key parameters for optimisation. Microbial Cell Factories, 2013, 12, 21.	1.9	51

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19	Backbone and side chain 1H, 15N and 13C assignments for a thiol-disulphide oxidoreductase from the Antarctic bacterium Pseudoalteromonas haloplanktis TAC125. Biomolecular NMR Assignments, 2010, 4, 151-154.	0.4	2
20	Fundamentals of Cold-Adapted Enzymes. , 2008, , 211-227.		39
21	Cold-Adapted Enzymes from Marine Antarctic Microorganisms. Marine Biotechnology, 2007, 9, 293-304.	1.1	145
22	Oligosaccharide Binding in Family 8 Glycosidases:â€‰ Crystal Structures of Active-Site Mutants of the Î²-1,4-Xylanase pXyl from Pseudoaltermonas haloplanktis TAH3a in Complex with Substrate and Product,. Biochemistry, 2006, 45, 4797-4807.	1.2	49
23	Psychrophilic microorganisms: challenges for life. EMBO Reports, 2006, 7, 385-389.	2.0	702
24	A nondetergent sulfobetaine prevents protein aggregation in microcalorimetric studies. Analytical Biochemistry, 2006, 352, 299-301.	1.1	25
25	Use of glycoside hydrolase family 8 xylanases in baking. Journal of Cereal Science, 2006, 43, 79-84.	1.8	92
26	Microcalorimetry as Applied to Psychrophilic Enzymes. , 2005, , 231-240.		0
27	Xylanases, xylanase families and extremophilic xylanases. FEMS Microbiology Reviews, 2005, 29, 3-23.	3.9	1,400
28	Study of the Active Site Residues of a Glycoside Hydrolase Family 8 Xylanase. Journal of Molecular Biology, 2005, 354, 425-435.	2.0	49
29	Extreme catalysts from low-temperature environments. Journal of Bioscience and Bioengineering, 2004, 98, 317-330.	1.1	65
30	Some like it cold: biocatalysis at low temperatures. FEMS Microbiology Reviews, 2004, 28, 25-42.	3.9	355
31	Activity, Stability and Flexibility in Glycosidases Adapted to Extreme Thermal Environments. Journal of Molecular Biology, 2003, 328, 419-428.	2.0	144
32	The Structure of a Cold-adapted Family 8 Xylanase at 1.3 Ã... Resolution. Journal of Biological Chemistry, 2003, 278, 7531-7539.	1.6	124
33	A Novel Family 8 Xylanase, Functional and Physicochemical Characterization. Journal of Biological Chemistry, 2002, 277, 35133-35139.	1.6	170
34	Molecular basis of cold adaptation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 917-925.	1.8	235
35	Crystallization and preliminary X-ray analysis of a xylanase from the psychrophilePseudoalteromonas haloplanktis. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1494-1496.	2.5	14
36	Did psychrophilic enzymes really win the challenge?. Extremophiles, 2001, 5, 313-321.	0.9	62

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37	Chapter 3 Cold-adapted enzymes: An unachieved symphony. Cell and Molecular Response To Stress, 2001, , 31-42.	0.4	2
38	Cold-adapted enzymes: from fundamentals to biotechnology. Trends in Biotechnology, 2000, 18, 103-107.	4.9	573
39	Cold-Adapted Enzymes. , 0, , 165-179.		13