VÃ¢nia Brissos

List of Publications by Year
in descending order

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19	693	623734	794594
papers	citations	14 h-index	19 g-index

20	20	20	973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New dye-decolorizing peroxidases from Bacillus subtilis and Pseudomonas putida MET94: towards biotechnological applications. Applied Microbiology and Biotechnology, 2014, 98, 2053-2065.	3.6	134
2	Laccases of prokaryotic origin: enzymes at the interface of protein science and protein technology. Cellular and Molecular Life Sciences, 2015, 72, 911-922.	5.4	87
3	Engineering a Bacterial DyP-Type Peroxidase for Enhanced Oxidation of Lignin-Related Phenolics at Alkaline pH. ACS Catalysis, 2017, 7, 3454-3465.	11.2	74
4	Decolorization and detoxification of textile dyes using a versatile Streptomyces laccase-natural mediator system. Saudi Journal of Biological Sciences, 2019, 26, 913-920.	3.8	69
5	Expression system of CotAâ€laccase for directed evolution and highâ€throughput screenings for the oxidation of highâ€redox potential dyes. Biotechnology Journal, 2009, 4, 558-563.	3.5	48
6	An integrated view of redox and catalytic properties of B-type PpDyP from Pseudomonas putida MET94 and its distal variants. Archives of Biochemistry and Biophysics, 2015, 574, 99-107.	3.0	42
7	Improving activity and stability of cutinase towards the anionic detergent AOT by complete saturation mutagenesis. Protein Engineering, Design and Selection, 2008, 21, 387-393.	2.1	34
8	Improving Kinetic or Thermodynamic Stability of an Azoreductase by Directed Evolution. PLoS ONE, 2014, 9, e87209.	2.5	30
9	The role of Asp116 in the reductive cleavage of dioxygen to water in CotA laccase: assistance during the proton-transfer mechanism. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 186-193.	2.5	29
10	The kinetic role of carboxylate residues in the proximity of the trinuclear centre in the O2 reactivity of CotA-laccase. Dalton Transactions, 2012, 41, 6247.	3.3	24
11	Enhancing the thermal stability of lipases through mutagenesis and immobilization on zeolites. Bioprocess and Biosystems Engineering, 2009, 32, 53-61.	3.4	20
12	Turning a Hyperthermostable Metallo-Oxidase into a Laccase by Directed Evolution. ACS Catalysis, 2015, 5, 4932-4941.	11.2	19
13	Immobilized dye-decolorizing peroxidase (DyP) and directed evolution variants for hydrogen peroxide biosensing. Biosensors and Bioelectronics, 2020, 153, 112055.	10.1	18
14	Biochemical and structural characterisation of cutinase mutants in the presence of the anionic surfactant AOT. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1326-1334.	2.3	17
15	Methionine-Rich Loop of Multicopper Oxidase McoA Follows Open-to-Close Transitions with a Role in Enzyme Catalysis. ACS Catalysis, 2020, 10, 7162-7176.	11.2	15
16	Comparing the effect of immobilization methods on the activity of lipase biocatalysts in ester hydrolysis. Bioprocess and Biosystems Engineering, 2008, 31, 323-327.	3.4	12
17	Loops around the Heme Pocket Have a Critical Role in the Function and Stability of BsDyP from Bacillus subtilis. International Journal of Molecular Sciences, 2021, 22, 10862.	4.1	9
18	Distal Mutations Shape Substrate-Binding Sites during Evolution of a Metallo-Oxidase into a Laccase. ACS Catalysis, 2022, 12, 5022-5035.	11.2	9

#	ARTICLE	IF	CITATIONS
19	Following Multi-Component Reactions in Liquid Medium Using Spectral Band-Fitting Techniques. Applied Spectroscopy, 2008, 62, 932-935.	2.2	3