VÃ¢nia Brissos

List of Publications by Year
in descending order

19 papers	693 citations	623734 14 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	973 citing authors

#	Article	IF	Citations
1	Distal Mutations Shape Substrate-Binding Sites during Evolution of a Metallo-Oxidase into a Laccase. ACS Catalysis, 2022, 12, 5022-5035.	11.2	9
2	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
3	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
4	Immobilized dye-decolorizing peroxidase (DyP) and directed evolution variants for hydrogen peroxide biosensing. Biosensors and Bioelectronics, 2020, 153, 112055.	10.1	18
5	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
6	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
7	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
8	Turning a Hyperthermostable Metallo-Oxidase into a Laccase by Directed Evolution. ACS Catalysis, 2015, 5, 4932-4941.	11.2	19
9	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
10	Improving Kinetic or Thermodynamic Stability of an Azoreductase by Directed Evolution. PLoS ONE, 2014, 9, e87209.	2.5	30
11	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
12	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
13	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
14	Enhancing the thermal stability of lipases through mutagenesis and immobilization on zeolites. Bioprocess and Biosystems Engineering, 2009, 32, 53-61.	3.4	20
15	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
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	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
18	Following Multi-Component Reactions in Liquid Medium Using Spectral Band-Fitting Techniques. Applied Spectroscopy, 2008, 62, 932-935.	2.2	3

#	Article	IF	Citations
19	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