

Diana M Mate

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6323810/publications.pdf>

Version: 2024-02-01

23
papers

1,370
citations

567281

15
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

1808
citing authors

#	ARTICLE	IF	CITATIONS
1	Laccase: a multi-purpose biocatalyst at the forefront of biotechnology. <i>Microbial Biotechnology</i> , 2017, 10, 1457-1467.	4.2	378
2	Laccase engineering: From rational design to directed evolution. <i>Biotechnology Advances</i> , 2015, 33, 25-40.	11.7	264
3	Tandem-yeast expression system for engineering and producing unspecific peroxygenase. <i>Enzyme and Microbial Technology</i> , 2015, 73-74, 29-33.	3.2	139
4	Blood Tolerant Laccase by Directed Evolution. <i>Chemistry and Biology</i> , 2013, 20, 223-231.	6.0	79
5	Self-Powered Wireless Carbohydrate/Oxygen Sensitive Biodevice Based on Radio Signal Transmission. <i>PLoS ONE</i> , 2014, 9, e109104.	2.5	62
6	Development of chimeric laccases by directed evolution. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2978-2986.	3.3	52
7	Widening the pH Activity Profile of a Fungal Laccase by Directed Evolution. <i>ChemBioChem</i> , 2013, 14, 934-937.	2.6	52
8	Sortase-Mediated Surface Functionalization of Stimuli-Responsive Microgels. <i>Biomacromolecules</i> , 2017, 18, 2789-2798.	5.4	49
9	Bioelectrochemical Oxidation of Water. <i>Journal of the American Chemical Society</i> , 2014, 136, 5892-5895.	13.7	43
10	KnowVolution of a Fungal Laccase toward Alkaline pH. <i>ChemBioChem</i> , 2019, 20, 1458-1466.	2.6	40
11	Functional expression of a blood tolerant laccase in <i>Pichia pastoris</i> . <i>BMC Biotechnology</i> , 2013, 13, 38.	3.3	33
12	Sortase-Mediated High-Throughput Screening Platform for Directed Enzyme Evolution. <i>ACS Combinatorial Science</i> , 2018, 20, 203-211.	3.8	27
13	Switching from blue to yellow: altering the spectral properties of a high redox potential laccase by directed evolution. <i>Biocatalysis and Biotransformation</i> , 2013, 31, 8-21.	2.0	25
14	Directed sortase A evolution for efficient site-specific bioconjugations in organic co-solvents. <i>Chemical Communications</i> , 2018, 54, 11467-11470.	4.1	25
15	Modification of the peroxygenative:peroxidative activity ratio in the unspecific peroxygenase from <i>Agrocybe aegerita</i> by structure-guided evolution. <i>Protein Engineering, Design and Selection</i> , 2017, 30, 189-196.	2.1	19
16	Thermostability Engineering of a Class II Pyruvate Aldolase from <i>Escherichia coli</i> by <i>in Vivo</i> Folding Interference. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5430-5436.	6.7	14
17	A robust protocol for directed aryl sulfotransferase evolution toward the carbohydrate building block GlcNAc. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1106-1115.	3.3	12
18	The Pocket Manual of Directed Evolution. , 2017, , 185-213.		11

#	ARTICLE	IF	CITATIONS
19	Enhancing Robustness of Sortase A by Loop Engineering and Backbone Cyclization. Chemistry - A European Journal, 2020, 26, 13568-13572.	3.3	11
20	Sortase-Mediated Ligation of Purely Artificial Building Blocks. Polymers, 2018, 10, 151.	4.5	10
21	Thermostability enhancement of the Pseudomonas fluorescens esterase I by in vivo folding selection in Thermus thermophilus. Biotechnology and Bioengineering, 2020, 117, 30-38.	3.3	8
22	Directed Evolution of Fungal Laccases: An Update. , 2016, , 91-112.		3
23	A Coupled Ketoreductaseâ€Diaphorase Assay for the Detection of Polyethylene Terephthalateâ€Hydrolyzing Activity. ChemSusChem, 2022, 15, .	6.8	3