

# Maria Dimarogona

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5106753/publications.pdf>

Version: 2024-02-01

25  
papers

1,168  
citations

471061  
17  
h-index

610482  
24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Functional Characterization of a Lytic Polysaccharide Monooxygenase with Broad Substrate Specificity. <i>Journal of Biological Chemistry</i> , 2015, 290, 22955-22969.	1.6	157
2	Interactions of a fungal lytic polysaccharide monooxygenase with $\beta$ -glucan substrates and cellobiose dehydrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5922-5927.	3.3	126
3	Lignin boosts the cellulase performance of a GH-61 enzyme from <i>Sporotrichum thermophile</i> . <i>Bioresource Technology</i> , 2012, 110, 480-487.	4.8	113
4	CELLULOSE DEGRADATION BY OXIDATIVE ENZYMES. <i>Computational and Structural Biotechnology Journal</i> , 2012, 2, e201209015.	1.9	76
5	Recombinant expression of thermostable processive MtEG5 endoglucanase and its synergism with MtLPMO from <i>Myceliophthora thermophila</i> during the hydrolysis of lignocellulosic substrates. <i>Biotechnology for Biofuels</i> , 2017, 10, 126.	6.2	76
6	Structural and functional studies of a <i>Fusarium oxysporum</i> cutinase with polyethylene terephthalate modification potential. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2308-2317.	1.1	68
7	Expression, characterization and structural modelling of a feruloyl esterase from the thermophilic fungus <i>Myceliophthora thermophila</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 399-411.	1.7	61
8	A Middle-Aged Enzyme Still in Its Prime: Recent Advances in the Field of Cutinases. <i>Catalysts</i> , 2018, 8, 612.	1.6	60
9	Comparison of three seemingly similar lytic polysaccharide monooxygenases from <i>Neurospora crassa</i> suggests different roles in plant biomass degradation. <i>Journal of Biological Chemistry</i> , 2019, 294, 15068-15081.	1.6	59
10	Recalcitrant polysaccharide degradation by novel oxidative biocatalysts. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8455-8465.	1.7	51
11	Marine-Derived Biocatalysts: Importance, Accessing, and Application in Aromatic Pollutant Bioremediation. <i>Frontiers in Microbiology</i> , 2017, 8, 265.	1.5	48
12	Functional expression of a thermophilic glucuronoyl esterase from <i>Sporotrichum thermophile</i> : identification of the nucleophilic serine. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1765-1772.	1.7	47
13	The structure of a novel glucuronoyl esterase from <i>Myceliophthora thermophila</i> gives new insights into its role as a potential biocatalyst. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 63-73.	2.5	38
14	Structural and molecular dynamics studies of a C1 $\alpha$ -oxidizing lytic polysaccharide monooxygenase from <i>Heterobasidion irregulare</i> reveal amino acids important for substrate recognition. <i>FEBS Journal</i> , 2018, 285, 2225-2242.	2.2	35
15	A thermostable GH26 endo- $\beta$ -mannanase from <i>Myceliophthora thermophila</i> capable of enhancing lignocellulose degradation. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8385-8397.	1.7	31
16	Enzymatic synthesis of model substrates recognized by glucuronoyl esterases from <i>Podospira anserina</i> and <i>Myceliophthora thermophila</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5507-5516.	1.7	29
17	Thermophilic enzyme systems for efficient conversion of lignocellulose to valuable products: Structural insights and future perspectives for esterases and oxidative catalysts. <i>Bioresource Technology</i> , 2019, 279, 362-372.	4.8	29
18	Versatile Fungal Polyphenol Oxidase with Chlorophenol Bioremediation Potential: Characterization and Protein Engineering. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	15

#	ARTICLE	IF	CITATIONS
19	The crystal structure of a <i>Fusarium oxysporum</i> feruloyl esterase that belongs to the tannase family. FEBS Letters, 2020, 594, 1738-1749.	1.3	15
20	The structure of a GH10 xylanase from <i>Fusarium oxysporum</i> reveals the presence of an extended loop on top of the catalytic cleft. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 735-742.	2.5	12
21	Backbone and side-chain 1H, 13C, and 15N chemical shift assignments for the apo-form of the lytic polysaccharide monooxygenase NcLPMO9C. Biomolecular NMR Assignments, 2016, 10, 277-280.	0.4	8
22	Unique features of the bifunctional GH30 from <i>Thermothelomyces thermophila</i> revealed by structural and mutational studies. Carbohydrate Polymers, 2021, 273, 118553.	5.1	7
23	Considerations Regarding Activity Determinants of Fungal Polyphenol Oxidases Based on Mutational and Structural Studies. Applied and Environmental Microbiology, 2021, 87, .	1.4	4
24	Exploring the complex map of insulin polymorphism: a novel crystalline form in the presence of <i>m</i> -cresol. Acta Crystallographica Section D: Structural Biology, 2020, 76, 366-374.	1.1	2
25	Structural Studies of a Fungal Polyphenol Oxidase with Application to Bioremediation of Contaminated Water. Proceedings (mdpi), 2020, 66, .	0.2	1