

# Gerard Santiago

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2636861/publications.pdf>

Version: 2024-02-01

11  
papers

468  
citations

933447

10  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determinants and Prediction of Esterase Substrate Promiscuity Patterns. ACS Chemical Biology, 2018, 13, 225-234.	3.4	106
2	Genetically engineered proteins with two active sites for enhanced biocatalysis and synergistic chemo- and biocatalysis. Nature Catalysis, 2020, 3, 319-328.	34.4	90
3	Rational Engineering of Multiple Active Sites in an Ester Hydrolase. Biochemistry, 2018, 57, 2245-2255.	2.5	57
4	Re-designing the substrate binding pocket of laccase for enhanced oxidation of sinapic acid. Catalysis Science and Technology, 2016, 6, 3900-3910.	4.1	56
5	Computer-Aided Laccase Engineering: Toward Biological Oxidation of Arylamines. ACS Catalysis, 2016, 6, 5415-5423.	11.2	54
6	Engineering of a fungal laccase to develop a robust, versatile and highly-expressed biocatalyst for sustainable chemistry. Green Chemistry, 2019, 21, 5374-5385.	9.0	36
7	Controlled manipulation of enzyme specificity through immobilization-induced flexibility constraints. Applied Catalysis A: General, 2018, 565, 59-67.	4.3	24
8	Structural and biochemical insights into an engineered high-redox potential laccase overproduced in Aspergillus. International Journal of Biological Macromolecules, 2019, 141, 855-867.	7.5	17
9	Computationally Driven Rational Design of Substrate Promiscuity on Serine Ester Hydrolases. ACS Catalysis, 2021, 11, 3590-3601.	11.2	17
10	Mapping enzyme-substrate interactions: its potential to study the mechanism of enzymes. Advances in Protein Chemistry and Structural Biology, 2020, 122, 1-31.	2.3	11
11	Modeling O <sub>2</sub> -dependent Heme Enzymes: A Quick Guide for Non-experts. 2-Oxoglutarate-Dependent Oxygenases, 2018, , 222-248.	0.8	0