

Miguel A Maria-Solano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6145865/publications.pdf>

Version: 2024-02-01

9
papers

421
citations

1039406

9
h-index

1473754

9
g-index

10
all docs

10
docs citations

10
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of conformational dynamics in the evolution of novel enzyme function. Chemical Communications, 2018, 54, 6622-6634.	2.2	123
2	Efficient reductive desymmetrization of bulky 1,3-cyclodiketones enabled by structure-guided directed evolution of a carbonyl reductase. Nature Catalysis, 2019, 2, 931-941.	16.1	68
3	Deciphering the Allosterically Driven Conformational Ensemble in Tryptophan Synthase Evolution. Journal of the American Chemical Society, 2019, 141, 13049-13056.	6.6	49
4	Inducing high activity of a thermophilic enzyme at ambient temperatures by directed evolution. Chemical Communications, 2017, 53, 9454-9457.	2.2	41
5	Exploring the reversal of enantioselectivity on a zinc-dependent alcohol dehydrogenase. Organic and Biomolecular Chemistry, 2017, 15, 4122-4129.	1.5	36
6	<i>In Silico</i> Identification and Experimental Validation of Distal Activity-Enhancing Mutations in Tryptophan Synthase. ACS Catalysis, 2021, 11, 13733-13743.	5.5	30
7	Big data and artificial intelligence (AI) methodologies for computer-aided drug design (CADD). Biochemical Society Transactions, 2022, 50, 241-252.	1.6	28
8	Time Evolution of the Millisecond Allosteric Activation of Imidazole Glycerol Phosphate Synthase. Journal of the American Chemical Society, 2022, 144, 7146-7159.	6.6	24
9	Machine Learning Enables Selection of Epistatic Enzyme Mutants for Stability Against Unfolding and Detrimental Aggregation. ChemBioChem, 2021, 22, 904-914.	1.3	22