

# Maria Svedendahl Humble

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8316568/publications.pdf>

Version: 2024-02-01

17  
papers

1,018  
citations

686830

13  
h-index

794141

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1145  
citing authors

#	ARTICLE	IF	CITATIONS
1	YASARA: A Tool to Obtain Structural Guidance in Biocatalytic Investigations. <i>Methods in Molecular Biology</i> , 2018, 1685, 43-67.	0.4	306
2	Biocatalytic Promiscuity. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3391-3401.	1.2	205
3	Revealing the Structural Basis of Promiscuous Amine Transaminase Activity. <i>ChemCatChem</i> , 2013, 5, 154-157.	1.8	80
4	Connecting Unexplored Protein Crystal Structures to Enzymatic Function. <i>ChemCatChem</i> , 2013, 5, 150-153.	1.8	67
5	Active Site Quantification of an $\alpha$ -Transaminase by Performing a Half Transamination Reaction. <i>ACS Catalysis</i> , 2011, 1, 1051-1055.	5.5	50
6	<i>Chromobacterium violaceum</i> $\alpha$ -transaminase variant Trp60Cys shows increased specificity for (S)-1-phenylethylamine and 4-substituted acetophenones, and follows Swain-Lupton parameterisation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5466.	1.5	45
7	Key Amino Acid Residues for Reversed or Improved Enantiospecificity of an $\alpha$ -Transaminase. <i>ChemCatChem</i> , 2012, 4, 1167-1172.	1.8	45
8	Combinatorial Library Based Engineering of <i>Candida antarctica</i> Lipase A for Enantioselective Transacylation of Alcohols in Organic Solvent. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4284-4288.	7.2	40
9	Stabilization of an amine transaminase for biocatalysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 124, 20-28.	1.8	38
10	Racemase Activity of <i>B. cepacia</i> Lipase Leads to Dual-Function Asymmetric Dynamic Kinetic Resolution of Aminonitriles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6592-6595.	7.2	37
11	B-factor Guided Proline Substitutions in <i>Chromobacterium violaceum</i> Amine Transaminase: Evaluation of the Proline Rule as a Method for Enzyme Stabilization. <i>ChemBioChem</i> , 2019, 20, 1297-1304.	1.3	22
12	The effect of phosphate group binding cup coordination on the stability of the amine transaminase from <i>Chromobacterium violaceum</i> . <i>Molecular Catalysis</i> , 2018, 446, 115-123.	1.0	18
13	Characterization of the stability of <i>Vibrio fluvialis</i> JS17 amine transaminase. <i>Journal of Biotechnology</i> , 2018, 282, 10-17.	1.9	16
14	Streamlined Preparation of Immobilized <i>Candida antarctica</i> Lipase B. <i>ACS Omega</i> , 2017, 2, 8674-8677.	1.6	13
15	Transesterification of a Tertiary Alcohol by Engineered <i>Candida antarctica</i> Lipase A. <i>ChemBioChem</i> , 2019, 20, 1438-1443.	1.3	13
16	Improved Enantioselectivity of Subtilisin Carlsberg towards Secondary Alcohols by Protein Engineering. <i>ChemBioChem</i> , 2018, 19, 338-346.	1.3	5
17	Municipal Solid Waste as Carbon and Energy Source for <i>Escherichia coli</i> . <i>Advances in Recycling &amp; Waste Management</i> , 2016, 01, .	0.4	3