

Henrik Land

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,207
citations

516710

16
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1370
citing authors

#	ARTICLE	IF	CITATIONS
1	Semisynthetic [FeFe]-hydrogenase with stable expression and H ₂ production capacity in a photosynthetic microbe. <i>Cell Reports Physical Science</i> , 2021, 2, 100376.	5.6	9
2	Semi-synthetic hydrogenases in vitro and in vivo applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 32, 100521.	5.9	5
3	Reversible or Irreversible Catalysis of H ⁺ /H ₂ Conversion by FeFe Hydrogenases. <i>Journal of the American Chemical Society</i> , 2021, 143, 20320-20325.	13.7	22
4	Engineering the Active Site of an <i>S</i> -Selective Amine Transaminase for Acceptance of Doubly Bulky Primary Amines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 812-821.	4.3	22
5	The maturase HydF enables [FeFe] hydrogenase assembly via transient, cofactor-dependent interactions. <i>Journal of Biological Chemistry</i> , 2020, 295, 11891-11901.	3.4	10
6	Characterization of a putative sensory [FeFe]-hydrogenase provides new insight into the role of the active site architecture. <i>Chemical Science</i> , 2020, 11, 12789-12801.	7.4	29
7	Current State of [FeFe]-Hydrogenase Research: Biodiversity and Spectroscopic Investigations. <i>ACS Catalysis</i> , 2020, 10, 7069-7086.	11.2	82
8	Carbon Dots and [FeFe] Hydrogenase Biohybrid Assemblies for Efficient Light-Driven Hydrogen Evolution. <i>ACS Catalysis</i> , 2020, 10, 9943-9952.	11.2	46
9	Discovery of novel [FeFe]-hydrogenases for biocatalytic H ₂ -production. <i>Chemical Science</i> , 2019, 10, 9941-9948.	7.4	34
10	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.	2.6	22
11	Covalently immobilized Trp60Cys mutant of <i>l</i> -transaminase from <i>Chromobacterium violaceum</i> for kinetic resolution of racemic amines in batch and continuous-flow modes. <i>Biochemical Engineering Journal</i> , 2018, 132, 270-278.	3.6	29
12	YASARA: A Tool to Obtain Structural Guidance in Biocatalytic Investigations. <i>Methods in Molecular Biology</i> , 2018, 1685, 43-67.	0.9	306
13	One-pot biocatalytic amine transaminase/acyl transferase cascade for aqueous formation of amides from aldehydes or ketones. <i>Catalysis Science and Technology</i> , 2016, 6, 2897-2900.	4.1	59
14	Stabilization of an amine transaminase for biocatalysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 124, 20-28.	1.8	38
15	Fluorescence-Based Kinetic Assay for High-Throughput Discovery and Engineering of Stereoselective <i>l</i> -Transaminases. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1721-1731.	4.3	25
16	Bioinformatic analysis of a PLP-dependent enzyme superfamily suitable for biocatalytic applications. <i>Biotechnology Advances</i> , 2015, 33, 566-604.	11.7	193
17	Connecting Unexplored Protein Crystal Structures to Enzymatic Function. <i>ChemCatChem</i> , 2013, 5, 150-153.	3.7	67
18	Revealing the Structural Basis of Promiscuous Amine Transaminase Activity. <i>ChemCatChem</i> , 2013, 5, 154-157.	3.7	80

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19	An efficient single-enzymatic cascade for asymmetric synthesis of chiral amines catalyzed by α -transaminase. <i>Chemical Communications</i> , 2013, 49, 161-163.	4.1	84
20	<i>Chromobacterium violaceum</i> α -transaminase variant Trp60Cys shows increased specificity for (S)-1-phenylethylamine and 4 ² -substituted acetophenones, and follows Swain-Lupton parameterisation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5466.	2.8	45