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List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,124
citations

516710

16
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	The diverse origins of circulating cell-free DNA in the human body: a critical re-evaluation of the literature. <i>Biological Reviews</i> , 2018, 93, 1649-1683.	10.4	202
2	Recent trends in biocatalysis. <i>Chemical Society Reviews</i> , 2021, 50, 8003-8049.	38.1	175
3	Mechanism-Based Design of Efficient PET Hydrolases. <i>ACS Catalysis</i> , 2022, 12, 3382-3396.	11.2	104
4	Getting Momentum: From Biocatalysis to Advanced Synthetic Biology. <i>Trends in Biochemical Sciences</i> , 2018, 43, 180-198.	7.5	70
5	A new perspective on the importance of glycine conjugation in the metabolism of aromatic acids. <i>Drug Metabolism Reviews</i> , 2014, 46, 343-361.	3.6	60
6	Glycine conjugation: importance in metabolism, the role of glycine N-acyltransferase, and factors that influence interindividual variation. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013, 9, 1139-1153.	3.3	56
7	Directed Evolution of a Halide Methyltransferase Enables Biocatalytic Synthesis of Diverse SAM Analogs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1524-1527.	13.8	54
8	Engineering and evaluation of thermostable <i>Thermoplasma</i> PETase variants for PET degradation. <i>Engineering in Life Sciences</i> , 2022, 22, 192-203.	3.6	51
9	Engineering Regioselectivity of a P450 Monooxygenase Enables the Synthesis of Ursodeoxycholic Acid via ω -Hydroxylation of Lithocholic Acid. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 753-757.	13.8	47
10	Sequence-Based Prediction of Promiscuous Acyltransferase Activity in Hydrolases. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11607-11612.	13.8	40
11	A historical and evolutionary perspective on the biological significance of circulating DNA and extracellular vesicles. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 4355-4381.	5.4	36
12	Protein Engineering for Enhanced Acyltransferase Activity, Substrate Scope, and Selectivity of the <i>Mycobacterium smegmatis</i> Acyltransferase MsAcT. <i>ACS Catalysis</i> , 2020, 10, 7552-7562.	11.2	35
13	Discovery and Design of Family VIII Carboxylesterases as Highly Efficient Acyltransferases. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2013-2017.	13.8	25
14	Characterisation of the influence of genetic variations on the enzyme activity of a recombinant human glycine N-acyltransferase. <i>Gene</i> , 2013, 515, 447-453.	2.2	20
15	Conservation of the coding regions of the glycine N-acyltransferase gene further suggests that glycine conjugation is an essential detoxification pathway. <i>Gene</i> , 2015, 571, 126-134.	2.2	20
16	Recent Insights and Future Perspectives on Promiscuous Hydrolases/Acyltransferases. <i>ACS Catalysis</i> , 2021, 11, 14906-14915.	11.2	19
17	Fluorimetric high-throughput screening method for polyester hydrolase activity using polyethylene terephthalate nanoparticles. <i>Methods in Enzymology</i> , 2021, 648, 253-270.	1.0	18
18	Enzymatic Characterization and Elucidation of the Catalytic Mechanism of a Recombinant Bovine Glycine N-Acyltransferase. <i>Drug Metabolism and Disposition</i> , 2012, 40, 346-352.	3.3	16

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19	Die gerichtete Evolution einer Halogenid-Methyltransferase erlaubt die biokatalytische Synthese diverser SAM-Analoga. <i>Angewandte Chemie</i> , 2021, 133, 1547-1551.	2.0	16
20	From Natural Methylation to Versatile Alkylations Using Halide Methyltransferases. <i>ChemBioChem</i> , 2021, 22, 2584-2590.	2.6	15
21	Sequence-Based Prediction of Promiscuous Acyltransferase Activity in Hydrolases. <i>Angewandte Chemie</i> , 2020, 132, 11704-11709.	2.0	13
22	Efficient Acylation of Sugars and Oligosaccharides in Aqueous Environment Using Engineered Acyltransferases. <i>ACS Catalysis</i> , 2021, 11, 2831-2836.	11.2	12
23	An Ultrasensitive Fluorescence Assay for the Detection of Halides and Enzymatic Dehalogenation. <i>ChemCatChem</i> , 2020, 12, 2032-2039.	3.7	9
24	Enzyme Kits to Facilitate the Integration of Biocatalysis into Organic Chemistry – First Aid for Synthetic Chemists. <i>ChemCatChem</i> , 2022, 14, .	3.7	6
25	Promiscuous Dehalogenase Activity of the Epoxide Hydrolase CorEH from <i>Corynebacterium</i> sp. C12. <i>ACS Catalysis</i> , 2021, 11, 6113-6120.	11.2	5
26	Entdeckung und Design promiskuitiver Acyltransferase-Aktivität in Carboxylesterasen der Familie...VIII. <i>Angewandte Chemie</i> , 2021, 133, 2041-2045.	2.0	0