

# Benoît Desguin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4791452/publications.pdf>

Version: 2024-02-01

14  
papers

404  
citations

932766

10  
h-index

1199166

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and mutational characterization of a malate racemase from the LarA superfamily. <i>BioMetals</i> , 2022, , 1.	1.8	3
2	The LarB carboxylase/hydrolase forms a transient cysteinyl-pyridine intermediate during nickel-pincer nucleotide cofactor biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
3	Uncovering a superfamily of nickel-dependent hydroxyacid racemases and epimerases. <i>Scientific Reports</i> , 2020, 10, 18123.	1.6	14
4	Lactate Racemase Nickel-Pincer Cofactor Operates by a Proton-Coupled Hydride Transfer Mechanism. <i>Biochemistry</i> , 2018, 57, 3244-3251.	1.2	30
5	Analysis of the Active Site Cysteine Residue of the Sacrificial Sulfur Insertase LarE from <i>Lactobacillus plantarum</i> . <i>Biochemistry</i> , 2018, 57, 5513-5523.	1.2	16
6	Nickel-pincer nucleotide cofactor. <i>Current Opinion in Chemical Biology</i> , 2018, 47, 18-23.	2.8	14
7	Biosynthesis of the nickel-pincer nucleotide cofactor of lactate racemase requires a CTP-dependent cyclometallase. <i>Journal of Biological Chemistry</i> , 2018, 293, 12303-12317.	1.6	31
8	Lactate Racemization and Beyond. <i>Journal of Bacteriology &amp; Parasitology</i> , 2018, 09, .	0.2	0
9	Structural insights into the catalytic mechanism of a sacrificial sulfur insertase of the N-type ATP pyrophosphatase family, LarE. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9074-9079.	3.3	33
10	Unexpected complexity in the lactate racemization system of lactic acid bacteria. <i>FEMS Microbiology Reviews</i> , 2017, 41, S71-S83.	3.9	21
11	Nickel-pincer cofactor biosynthesis involves LarB-catalyzed pyridinium carboxylation and LarE-dependent sacrificial sulfur insertion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5598-5603.	3.3	48
12	A tethered niacin-derived pincer complex with a nickel-carbon bond in lactate racemase. <i>Science</i> , 2015, 349, 66-69.	6.0	92
13	Lactate racemase is a nickel-dependent enzyme activated by a widespread maturation system. <i>Nature Communications</i> , 2014, 5, 3615.	5.8	91
14	CHAPTER 11. Lactate Racemase and Its Niacin-Derived, Covalently-Tethered, Nickel Cofactor. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 0, , 220-236.	0.8	3