

# Pi Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/30795/publications.pdf>

Version: 2024-02-01

19  
papers

356  
citations

933447

10  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

542  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot chemoenzymatic synthesis of glycolic acid from formaldehyde. <i>Green Chemistry</i> , 2022, 24, 5064-5069.	9.0	9
2	Data-Driven Synthetic Cell Factories Development for Industrial Biomanufacturing. <i>Biodesign Research</i> , 2022, 2022, .	1.9	2
3	Analyzing the genetic characteristics of a tryptophan-overproducing <i>Escherichia coli</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1685-1697.	3.4	6
4	Non-natural Aldol Reactions Enable the Design and Construction of Novel One-Carbon Assimilation Pathways in vitro. <i>Frontiers in Microbiology</i> , 2021, 12, 677596.	3.5	13
5	Directed Evolution and Rational Design of Mechanosensitive Channel MscCG2 for Improved Glutamate Excretion Efficiency. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 15660-15669.	5.2	2
6	Quantitative Analysis of the Substrate Specificity of Human Rhinovirus 3C Protease and Exploration of Its Substrate Recognition Mechanisms. <i>ACS Chemical Biology</i> , 2020, 15, 63-73.	3.4	14
7	Totally atom-economical synthesis of lactic acid from formaldehyde: combined bio-carboligation and chemo-rearrangement without the isolation of intermediates. <i>Green Chemistry</i> , 2020, 22, 6809-6814.	9.0	14
8	Engineered LPMO Significantly Boosting Cellulase-Catalyzed Depolymerization of Cellulose. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 15257-15266.	5.2	24
9	Efficient O-Glycosylation of Triterpenes Enabled by Protein Engineering of Plant Glycosyltransferase UGT74AC1. <i>ACS Catalysis</i> , 2020, 10, 3629-3639.	11.2	72
10	Computational Insights into the Catalytic Mechanism of Bacterial Carboxylic Acid Reductase. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 832-841.	5.4	26
11	Structural basis for neutralization of hepatitis A virus informs a rational design of highly potent inhibitors. <i>PLoS Biology</i> , 2019, 17, e3000229.	5.6	12
12	Biomimetische DNA-Nanoröhren: Gezielte Synthese und Anwendung nanoskopischer Kanäle. <i>Angewandte Chemie</i> , 2019, 131, 9092-9108.	2.0	4
13	Charge Neutralization Drives the Shape Reconfiguration of DNA Nanotubes. <i>Angewandte Chemie</i> , 2018, 130, 5516-5520.	2.0	8
14	Study of the mechanism of protonated histidine-induced conformational changes in the Zika virus dimeric envelope protein using accelerated molecular dynamic simulations. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 74, 203-214.	2.4	9
15	Simultaneous engineering of an enzyme's entrance tunnel and active site: the case of monoamine oxidase MAO-N. <i>Chemical Science</i> , 2017, 8, 4093-4099.	7.4	88
16	Identification of a Different Agonist-Binding Site and Activation Mechanism of the Human P2Y1 Receptor. <i>Scientific Reports</i> , 2017, 7, 13764.	3.3	10
17	Structure-based QSAR, molecule design and bioassays of protease-activated receptor 1 inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2853-2867.	3.5	11
18	Engineering a d-lactate dehydrogenase that can super-efficiently utilize NADPH and NADH as cofactors. <i>Scientific Reports</i> , 2016, 6, 24887.	3.3	29

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19	DNA Origami-Encoded Integration of Heterostructures. Angewandte Chemie, 0, , .	2.0	1