

# Chun-Xiu Li

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,249  
citations

331670

21  
h-index

361022

35  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removing the Obstacle to (±)-Menthol Biosynthesis by Building a Microbial Cell Factory of (+)-cis- <i>isopulegone</i> from (±)-Limonene. <i>ChemSusChem</i> , 2022, 15, .	6.8	4
2	Carving the Active Site of CYP153A7 Monooxygenase for Improving Terminal Hydroxylation of Medium-Chain Fatty Acids. <i>ChemBioChem</i> , 2022, , .	2.6	6
3	Facile Production of (+)-Aristolochene and (+)-Bicyclogermacrene in <i>Escherichia coli</i> Using Newly Discovered Sesquiterpene Synthases from <i>Penicillium expansum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5860-5868.	5.2	4
4	Discovery and Engineering of a Novel Baeyer-Villiger Monooxygenase with High Normal Regioselectivity. <i>ChemBioChem</i> , 2021, 22, 1190-1195.	2.6	6
5	Design of a self-sufficient hydride-shuttling cascade for concurrent bioproduction of 7,12-dioxolithocholate and <i>tert</i> -leucine. <i>Green Chemistry</i> , 2021, 23, 4125-4133.	9.0	16
6	Discovery and Engineering of Bacterial <i>isopiperitenol</i> Dehydrogenases to Enhance (±)-Menthol Precursor Biosynthesis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3973-3982.	4.3	3
7	Evolution of Glucose Dehydrogenase for Cofactor Regeneration in Bioredox Processes with Denaturing Agents. <i>ChemBioChem</i> , 2020, 21, 2680-2688.	2.6	26
8	Efficient Synthesis of 12 $\alpha$ -Oxocholesterolic Acid Using a 12 $\beta$ -Hydroxysteroid Dehydrogenase from <i>Rhodococcus ruber</i> . <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4661-4668.	4.3	20
9	Efficient Synthesis of Methyl 3-Acetoxypropionate by a Newly Identified Baeyer-Villiger Monooxygenase. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	5
10	Switching Cofactor Dependence of 7 $\beta$ -Hydroxysteroid Dehydrogenase for Cost-Effective Production of Ursodeoxycholic Acid. <i>ACS Catalysis</i> , 2019, 9, 466-473.	11.2	46
11	Reshaping the Active Pocket of Amine Dehydrogenases for Asymmetric Synthesis of Bulky Aliphatic Amines. <i>ACS Catalysis</i> , 2018, 8, 2622-2628.	11.2	100
12	Continuous Production of Ursodeoxycholic Acid by Using Two Cascade Reactors with Co-immobilized Enzymes. <i>ChemBioChem</i> , 2018, 19, 347-353.	2.6	32
13	Direct Access to Medium-Chain $\alpha,\gamma$ -Dicarboxylic Acids by Using a Baeyer-Villiger Monooxygenase of Abnormal Regioselectivity. <i>ChemBioChem</i> , 2018, 19, 2049-2054.	2.6	13
14	Engineering 7 $\beta$ -Hydroxysteroid Dehydrogenase for Enhanced Ursodeoxycholic Acid Production by Multiobjective Directed Evolution. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1178-1185.	5.2	43
15	Efficient Degradation of Malathion in the Presence of Detergents Using an Engineered Organophosphorus Hydrolase Highly Expressed by <i>Pichia pastoris</i> without Methanol Induction. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9094-9100.	5.2	18
16	Preparation of Structurally Diverse Chiral Alcohols by Engineering Ketoreductase <i>Cg</i> KR1. <i>ACS Catalysis</i> , 2017, 7, 7174-7181.	11.2	74
17	Protein Engineering and Homologous Expression of <i>Serratia marcescens</i> Lipase for Efficient Synthesis of a Pharmaceutically Relevant Chiral Epoxyester. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 543-554.	2.9	6
18	Enhancing transglutaminase production of <i>Streptomyces mobaraensis</i> by iterative mutagenesis breeding with atmospheric and room-temperature plasma (ARTP). <i>Bioresources and Bioprocessing</i> , 2017, 4, 37.	4.2	27

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19	Improved efficiency of a novel methyl parathion hydrolase using consensus approach. <i>Enzyme and Microbial Technology</i> , 2016, 93-94, 11-17.	3.2	11
20	A Novel <i>α</i> -Amine Reductase from <i>Paenibacillus lactis</i> for Asymmetric Reduction of $\alpha$ -Hydroxyindoles. <i>ChemCatChem</i> , 2016, 8, 724-727.	3.7	30
21	Combinatorial evolution of phosphotriesterase toward a robust malathion degrader by hierarchical iteration mutagenesis. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2350-2357.	3.3	30
22	Iterative multitarget evolution dramatically enhances the enantioselectivity and catalytic efficiency of <i>Bacillus subtilis</i> esterase towards bulky benzoate esters of <i>dl</i> -menthol. <i>Catalysis Science and Technology</i> , 2016, 6, 2370-2376.	4.1	11
23	Two-step enzymatic synthesis of ursodeoxycholic acid with a new $\beta$ -hydroxysteroid dehydrogenase from <i>Ruminococcus torques</i> . <i>Process Biochemistry</i> , 2015, 50, 598-604.	3.7	58
24	Draft Genome Sequence of <i>Burkholderia</i> sp. Strain MP-1, a Methyl Parathion (MP)-Degrading Bacterium from MP-Contaminated Soil. <i>Genome Announcements</i> , 2014, 2, .	0.8	11
25	<i>Burkholderia jiangsuensis</i> sp. nov., a methyl parathion degrading bacterium, isolated from methyl parathion contaminated soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3247-3253.	1.7	27
26	Performance of a New Thermostable Mannanase in Breaking Guar-Based Fracturing Fluids at High Temperatures with Little Premature Degradation. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 1215-1226.	2.9	12
27	A thermostable variant of <i>Bacillus subtilis</i> esterase: Characterization and application for resolving <i>dl</i> -menthyl acetate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 109, 1-8.	1.8	10
28	Efficient Synthesis of a Chiral Precursor for Angiotensin-Converting Enzyme (ACE) Inhibitors in High Space-Time Yield by a New Reductase without External Cofactors. <i>Organic Letters</i> , 2012, 14, 1982-1985.	4.6	68
29	Bioreduction of methyl <i>o</i> -chlorobenzoylformate at 500g L <sup>-1</sup> without external cofactors for efficient production of enantiopure clopidogrel intermediate. <i>Tetrahedron Letters</i> , 2012, 53, 4715-4717.	1.4	27
30	A new thermostable $\beta$ -glucosidase mined from <i>Dictyoglomus thermophilum</i> : Properties and performance in octyl glucoside synthesis at high temperatures. <i>Bioresource Technology</i> , 2012, 118, 425-430.	9.6	28
31	Stereospecific Reduction of Methyl <i>o</i> -Chlorobenzoylformate at 300g L <sup>-1</sup> without Additional Cofactor using a Carbonyl Reductase Mined from <i>Candida glabrata</i> . <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1765-1772.	4.3	59
32	Efficient production of (R)- <i>o</i> -chloromandelic acid by deracemization of <i>o</i> -chloromandelonitrile with a new nitrilase mined from <i>Labrenzia aggregata</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 91-99.	3.6	56
33	Highly stereoselective reduction of prochiral ketones by a bacterial reductase coupled with cofactor regeneration. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5463.	2.8	50
34	Crosslinking of enzyme coaggregate with polyethyleneimine: A simple and promising method for preparing stable biocatalyst of <i>Serratia marcescens</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 68, 256-261.	1.8	35
35	Immobilization of <i>Bacillus subtilis</i> esterase by simple cross-linking for enzymatic resolution of <i>dl</i> -menthyl acetate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 70, 138-143.	1.8	30
36	Biocatalytic properties of a recombinant aldo-keto reductase with broad substrate spectrum and excellent stereoselectivity. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1111-1118.	3.6	61

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37	Highly efficient synthesis of chiral alcohols with a novel NADH-dependent reductase from <i>Streptomyces coelicolor</i> . <i>Bioresource Technology</i> , 2011, 102, 7023-7028.	9.6	129
38	Thermostable Bacterial Endoglucanases Mined from Swiss-Prot Database. <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 1473-1484.	2.9	3
39	Efficient Reduction of Ethyl 2-oxo-4-phenylbutyrate at 620°C... <sup>1</sup> by a Bacterial Reductase with Broad Substrate Spectrum. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1213-1217.	4.3	54