Chun-Xiu Li

List of Publications by Year
in descending order

39	1,249	331670	361022
papers	citations	21 h-index	35 g-index

41	41	41	1113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly efficient synthesis of chiral alcohols with a novel NADH-dependent reductase from Streptomyces coelicolor. Bioresource Technology, 2011, 102, 7023-7028.	9.6	129
2	Reshaping the Active Pocket of Amine Dehydrogenases for Asymmetric Synthesis of Bulky Aliphatic Amines. ACS Catalysis, 2018, 8, 2622-2628.	11.2	100
3	Preparation of Structurally Diverse Chiral Alcohols by Engineering Ketoreductase CgKR1. ACS Catalysis, 2017, 7, 7174-7181.	11.2	74
4	Efficient Synthesis of a Chiral Precursor for Angiotensin-Converting Enzyme (ACE) Inhibitors in High Space-Time Yield by a New Reductase without External Cofactors. Organic Letters, 2012, 14, 1982-1985.	4.6	68
5	Biocatalytic properties of a recombinant aldo-keto reductase with broad substrate spectrum and excellent stereoselectivity. Applied Microbiology and Biotechnology, 2011, 89, 1111-1118.	3.6	61
6	Stereospecific Reduction of Methyl oâ€Chlorobenzoylformate at 300â€…gâ‹…L^{â^'1} without Additional Cofactor using a Carbonyl Reductase Mined from Candida glabrata. Advanced Synthesis and Catalysis, 2012, 354, 1765-1772.	4.3	59
7	Two-step enzymatic synthesis of ursodeoxycholic acid with a new 7Î²-hydroxysteroid dehydrogenase from Ruminococcus torques. Process Biochemistry, 2015, 50, 598-604.	3.7	58
8	Efficient production of (R)-o-chloromandelic acid by deracemization of o-chloromandelonitrile with a new nitrilase mined from Labrenzia aggregata. Applied Microbiology and Biotechnology, 2012, 95, 91-99.	3.6	56
9	Efficient Reduction of Ethyl 2â€Oxoâ€4â€phenylbutyrate at 620â€…gâ‹…L^{â^'1} by a Bacterial Reductase with Broad Substrate Spectrum. Advanced Synthesis and Catalysis, 2011, 353, 1213-1217.	4.3	54
10	Highly stereoselective reduction of prochiral ketones by a bacterial reductase coupled with cofactor regeneration. Organic and Biomolecular Chemistry, 2011, 9, 5463.	2.8	50
11	Switching Cofactor Dependence of 7Î²-Hydroxysteroid Dehydrogenase for Cost-Effective Production of Ursodeoxycholic Acid. ACS Catalysis, 2019, 9, 466-473.	11.2	46
12	Engineering 7Î²-Hydroxysteroid Dehydrogenase for Enhanced Ursodeoxycholic Acid Production by Multiobjective Directed Evolution. Journal of Agricultural and Food Chemistry, 2017, 65, 1178-1185.	5.2	43
13	Crosslinking of enzyme coaggregate with polyethyleneimine: A simple and promising method for preparing stable biocatalyst of Serratia marcescens lipase. Journal of Molecular Catalysis B: Enzymatic, 2011, 68, 256-261.	1.8	35
14	Continuous Production of Ursodeoxycholic Acid by Using Two Cascade Reactors with Coâ€immobilized Enzymes. ChemBioChem, 2018, 19, 347-353.	2.6	32
15	Immobilization of Bacillus subtilis esterase by simple cross-linking for enzymatic resolution of dl-menthyl acetate. Journal of Molecular Catalysis B: Enzymatic, 2011, 70, 138-143.	1.8	30
16	A Novel (R)â€imine Reductase from Paenibacillus lactis for Asymmetric Reduction of 3â€‰Hâ€indoles. ChemCatChem, 2016, 8, 724-727.	3.7	30
17	Combinatorial evolution of phosphotriesterase toward a robust malathion degrader by hierarchical iteration mutagenesis. Biotechnology and Bioengineering, 2016, 113, 2350-2357.	3.3	30
18	A new thermostable Î²-glucosidase mined from Dictyoglomus thermophilum: Properties and performance in octyl glucoside synthesis at high temperatures. Bioresource Technology, 2012, 118, 425-430.	9.6	28

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19	Bioreduction of methyl o-chlorobenzoylformate at 500gLâˆ'1 without external cofactors for efficient production of enantiopure clopidogrel intermediate. Tetrahedron Letters, 2012, 53, 4715-4717.	1.4	27
20	Burkholderia jiangsuensis sp. nov., a methyl parathion degrading bacterium, isolated from methyl parathion contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3247-3253.	1.7	27
21	Enhancing transglutaminase production of Streptomyces mobaraensis by iterative mutagenesis breeding with atmospheric and room-temperature plasma (ARTP). Bioresources and Bioprocessing, 2017, 4, 37.	4.2	27
22	Evolution of Glucose Dehydrogenase for Cofactor Regeneration in Bioredox Processes with Denaturing Agents. ChemBioChem, 2020, 21, 2680-2688.	2.6	26
23	Efficient Synthesis of 12â€Oxochenodeoxycholic Acid Using a 12Îąâ€Hydroxysteroid Dehydrogenase from Rhodococcus ruber. Advanced Synthesis and Catalysis, 2019, 361, 4661-4668.	4.3	20
24	Efficient Degradation of Malathion in the Presence of Detergents Using an Engineered Organophosphorus Hydrolase Highly Expressed by Pichia pastoris without Methanol Induction. Journal of Agricultural and Food Chemistry, 2017, 65, 9094-9100.	5.2	18
25	Design of a self-sufficient hydride-shuttling cascade for concurrent bioproduction of 7,12-dioxolithocholate and<scp>l</scp>-tert-leucine. Green Chemistry, 2021, 23, 4125-4133.	9.0	16
26	Direct Access to Mediumâ€Chain Îą,Ï‰â€Dicarboxylic Acids by Using a Baeyerâ€“Villiger Monooxygenase of Abnormal Regioselectivity. ChemBioChem, 2018, 19, 2049-2054.	2.6	13
27	Performance of a New Thermostable Mannanase in Breaking Guar-Based Fracturing Fluids at High Temperatures with Little Premature Degradation. Applied Biochemistry and Biotechnology, 2014, 172, 1215-1226.	2.9	12
28	Draft Genome Sequence of Burkholderia sp. Strain MP-1, a Methyl Parathion (MP)-Degrading Bacterium from MP-Contaminated Soil. Genome Announcements, 2014, 2, .	0.8	11
29	Improved efficiency of a novel methyl parathion hydrolase using consensus approach. Enzyme and Microbial Technology, 2016, 93-94, 11-17.	3.2	11
30	Iterative multitarget evolution dramatically enhances the enantioselectivity and catalytic efficiency of Bacillus subtilis esterase towards bulky benzoate esters of <scp>dl</scp>-menthol. Catalysis Science and Technology, 2016, 6, 2370-2376.	4.1	11
31	A thermostable variant of Bacillus subtilis esterase: Characterization and application for resolving dl-menthyl acetate. Journal of Molecular Catalysis B: Enzymatic, 2014, 109, 1-8.	1.8	10
32	Protein Engineering and Homologous Expression of Serratia marcescens Lipase for Efficient Synthesis of a Pharmaceutically Relevant Chiral Epoxyester. Applied Biochemistry and Biotechnology, 2017, 183, 543-554.	2.9	6
33	Discovery and Engineering of a Novel Baeyerâ€Villiger Monooxygenase with High Normal Regioselectivity. ChemBioChem, 2021, 22, 1190-1195.	2.6	6
34	Carving the Active Site of CYP153A7 Monooxygenase for Improving Terminal Hydroxylation of Mediumâ€Chain Fatty Acids. ChemBioChem, 2022, , .	2.6	6
35	Efficient Synthesis of Methyl 3-Acetoxypropionate by a Newly Identified Baeyer-Villiger Monooxygenase. Applied and Environmental Microbiology, 2019, 85, .	3.1	5
36	Removing the Obstacle to (â€')â€Menthol Biosynthesis by Building a Microbial Cell Factory of (+)â€cisâ€Isopulegone from (â€')â€Limonene. ChemSusChem, 2022, 15, .	6.8	4

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37	Facile Production of (+)-Aristolochene and (+)-Bicyclogermacrene in Escherichia coli Using Newly Discovered Sesquiterpene Synthases from Penicillium expansum. Journal of Agricultural and Food Chemistry, 2022, 70, 5860-5868.	5.2	4
38	Thermostable Bacterial Endoglucanases Mined from Swiss-Prot Database. Applied Biochemistry and Biotechnology, 2011, 165, 1473-1484.	2.9	3
39	Discovery and Engineering of Bacterial (â˜)â€Isopiperitenol Dehydrogenases to Enhance (â˜)â€Menthol Precursor Biosynthesis. Advanced Synthesis and Catalysis, 2021, 363, 3973-3982.	4.3	3