

# Cuiqing

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhanced L-Serine Production from Glycerol by Integration with Thermodynamically Favorable d-Glycerate Oxidation. ACS Sustainable Chemistry and Engineering, 2022, 10, 2587-2592.	3.2	5
2	Coculture of <i>Gluconobacter oxydans</i> and <i>Escherichia coli</i> for 3,4-Dihydroxybutyric Acid Production from Xylose. ACS Sustainable Chemistry and Engineering, 2021, 9, 10809-10817.	3.2	8
3	Efficient 2,3-butanediol production from whey powder using metabolically engineered <i>Klebsiella oxytoca</i> . Microbial Cell Factories, 2020, 19, 162.	1.9	27
4	Pyruvate Production from Whey Powder by Metabolic Engineered <i>Klebsiella oxytoca</i> . Journal of Agricultural and Food Chemistry, 2020, 68, 15275-15283.	2.4	6
5	Engineering of glycerol utilization in <i>Gluconobacter oxydans</i> 621H for biocatalyst preparation in a low-cost way. Microbial Cell Factories, 2018, 17, 158.	1.9	10
6	Coordination of metabolic pathways: Enhanced carbon conservation in 1,3-propanediol production by coupling with optically pure lactate biosynthesis. Metabolic Engineering, 2017, 41, 102-114.	3.6	46
7	Enzymatic Cascades for Efficient Biotransformation of Racemic Lactate Derived from Corn Steep Water. ACS Sustainable Chemistry and Engineering, 2017, 5, 3456-3464.	3.2	22
8	Efficient production of propionic acid through high density culture with recycling cells of <i>Propionibacterium acidipropionici</i> . Bioresource Technology, 2016, 216, 856-861.	4.8	23
9	Enzymatic Resolution by a d-Lactate Oxidase Catalyzed Reaction for (S)-Hydroxycarboxylic Acids. ChemCatChem, 2016, 8, 2630-2633.	1.8	13
10	Biotechnological production of acetoin, a bio-based platform chemical, from a lignocellulosic resource by metabolically engineered <i>Enterobacter cloacae</i> . Green Chemistry, 2016, 18, 1560-1570.	4.6	45
11	NAD-Independent L-Lactate Dehydrogenase Required for L-Lactate Utilization in <i>Pseudomonas stutzeri</i> A1501. Journal of Bacteriology, 2015, 197, 2239-2247.	1.0	27
12	Complete genome sequence of <i>Mycobacterium goodii</i> X7B, a facultative thermophilic biodesulfurizing bacterium with industrial potential. Journal of Biotechnology, 2015, 212, 56-57.	1.9	12
13	Metabolic engineering of <i>Enterobacter cloacae</i> for high-yield production of enantiopure (2R,3R)-Tj ETQq1 1 0.784314 rgBT /Overloc	3.6	117
14	Efficient Simultaneous Saccharification and Fermentation of Inulin to 2,3-Butanediol by Thermophilic <i>Bacillus licheniformis</i> ATCC 14580. Applied and Environmental Microbiology, 2014, 80, 6458-6464.	1.4	48
15	Systematic metabolic engineering of <i>Escherichia coli</i> for high-yield production of fuel bio-chemical 2,3-butanediol. Metabolic Engineering, 2014, 23, 22-33.	3.6	132
16	Construction of a food-grade cell surface display system for <i>Lactobacillus casei</i> . Microbiological Research, 2014, 169, 733-740.	2.5	14
17	Microbial lactate utilization: enzymes, pathogenesis, and regulation. Trends in Microbiology, 2014, 22, 589-599.	3.5	59
18	Efficient Production of (R)-2-Hydroxy-4-Phenylbutyric Acid by Using a Coupled Reconstructed d-Lactate Dehydrogenase and Formate Dehydrogenase System. PLoS ONE, 2014, 9, e104204.	1.1	9

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19	Production of hydroxypyruvate from glycerate by a novel biotechnological route. <i>Bioresource Technology</i> , 2013, 131, 552-554.	4.8	1
20	A newly isolated <i>Bacillus licheniformis</i> strain thermophilically produces 2,3-butanediol, a platform and fuel bio-chemical. <i>Biotechnology for Biofuels</i> , 2013, 6, 123.	6.2	87
21	Pulp mill wastewater sediment reveals novel methanogenic and cellulolytic populations. <i>Water Research</i> , 2013, 47, 683-692.	5.3	2
22	Characterization of a Novel Metagenome-Derived 6-Phospho- $\beta$ -Glucosidase from Black Liquor Sediment. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2121-2127.	1.4	13
23	New Constitutive Vectors: Useful Genetic Engineering Tools for Biocatalysis. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2836-2840.	1.4	32
24	Efficient bioconversion of 2,3-butanediol into acetoin using <i>Gluconobacter oxydans</i> DSM 2003. <i>Biotechnology for Biofuels</i> , 2013, 6, 155.	6.2	39
25	Genome Sequence of <i>Pseudomonas stutzeri</i> SDM-LAC, a Typical Strain for Studying the Molecular Mechanism of Lactate Utilization. <i>Journal of Bacteriology</i> , 2012, 194, 894-895.	1.0	21
26	Relative Catalytic Efficiency of <i>ldhL</i> - and <i>ldhD</i> -Encoded Products Is Crucial for Optical Purity of Lactic Acid Produced by <i>Lactobacillus</i> Strains. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3480-3483.	1.4	29
27	Genome Sequence of the Lactate-Utilizing <i>Pseudomonas aeruginosa</i> Strain XMG. <i>Journal of Bacteriology</i> , 2012, 194, 4751-4752.	1.0	16
28	Genome Sequences of Two Thermophilic <i>Bacillus licheniformis</i> Strains, Efficient Producers of Platform Chemical 2,3-Butanediol. <i>Journal of Bacteriology</i> , 2012, 194, 4133-4134.	1.0	16
29	Genome Sequence of <i>Klebsiella pneumoniae</i> LZ, a Potential Platform Strain for 1,3-Propanediol Production. <i>Journal of Bacteriology</i> , 2012, 194, 4457-4458.	1.0	7
30	Lactate Utilization Is Regulated by the FadR-Type Regulator LldR in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2012, 194, 2687-2692.	1.0	50
31	Genome Sequence of <i>Enterobacter cloacae</i> subsp. <i>dissolvens</i> SDM, an Efficient Biomass-Utilizing Producer of Platform Chemical 2,3-Butanediol. <i>Journal of Bacteriology</i> , 2012, 194, 897-898.	1.0	23
32	Genome Sequence of <i>Xanthomonas campestris</i> JX, an Industrially Productive Strain for Xanthan Gum. <i>Journal of Bacteriology</i> , 2012, 194, 4755-4756.	1.0	29
33	NAD-Independent L-Lactate Dehydrogenase Is Required for L-Lactate Utilization in <i>Pseudomonas stutzeri</i> SDM. <i>PLoS ONE</i> , 2012, 7, e36519.	1.1	30
34	Efficient Production of Pyruvate from DL-Lactate by the Lactate-Utilizing Strain <i>Pseudomonas stutzeri</i> SDM. <i>PLoS ONE</i> , 2012, 7, e40755.	1.1	8
35	Biocatalytic production of (2S,3S)-2,3-butanediol from diacetyl using whole cells of engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2012, 115, 111-116.	4.8	66
36	Efficient bioconversion of l-threonine to 2-oxobutyrate using whole cells of <i>Pseudomonas stutzeri</i> SDM. <i>Bioresource Technology</i> , 2012, 110, 719-722.	4.8	11

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37	Purification and characterization of a flavin reductase from the biodesulfurizing bacterium <i>Mycobacterium goodii</i> X7B. <i>Process Biochemistry</i> , 2012, 47, 1144-1149.	1.8	7
38	Efficient 2,3-Butanediol Production from Cassava Powder by a Crop-Biomass-Utilizer, <i>Enterobacter cloacae</i> subsp. <i>dissolvens</i> SDM. <i>PLoS ONE</i> , 2012, 7, e40442.	1.1	42
39	Transcription Elongation Factor GreA Has Functional Chaperone Activity. <i>PLoS ONE</i> , 2012, 7, e47521.	1.1	35
40	Genome Sequence of the Thermophilic Strain <i>Bacillus coagulans</i> 2-6, an Efficient Producer of High-Optical-Purity <i>D</i> -Lactic Acid. <i>Journal of Bacteriology</i> , 2011, 193, 4563-4564.	1.0	20
41	Biotechnological routes based on lactic acid production from biomass. <i>Biotechnology Advances</i> , 2011, 29, 930-939.	6.0	248
42	Highly efficient production of <i>D</i> -lactate by <i>Sporolactobacillus</i> sp. CASD with simultaneous enzymatic hydrolysis of peanut meal. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1009-1017.	1.7	114
43	Kinetic resolution of 2-hydroxybutanoate racemic mixtures by NAD-independent <i>D</i> -lactate dehydrogenase. <i>Bioresource Technology</i> , 2011, 102, 4595-4599.	4.8	32
44	Genome Sequence of <i>Sphingomonas elodea</i> ATCC 31461, a Highly Productive Industrial Strain of Gellan Gum. <i>Journal of Bacteriology</i> , 2011, 193, 7015-7016.	1.0	18
45	Genome Sequence of <i>Rhodococcus erythropolis</i> XP, a Biodesulfurizing Bacterium with Industrial Potential. <i>Journal of Bacteriology</i> , 2011, 193, 6422-6423.	1.0	34
46	Production of <i>N</i> -Acetyl- <i>D</i> -Neuraminic Acid by Use of an Efficient Spore Surface Display System. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3197-3201.	1.4	46
47	Genome Sequence of <i>Pseudomonas putida</i> Strain B6-2, a Superdegrader of Polycyclic Aromatic Hydrocarbons and Dioxin-Like Compounds. <i>Journal of Bacteriology</i> , 2011, 193, 6789-6790.	1.0	34
48	Chemoenzymatic Synthesis of <i>N</i> -Acetyl- <i>D</i> -Neuraminic Acid from <i>N</i> -Acetyl- <i>D</i> -Glucosamine by Using the Spore Surface-Displayed <i>N</i> -Acetyl- <i>D</i> -Neuraminic Acid Aldolase. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7080-7083.	1.4	17
49	Genome Sequence of <i>Lactobacillus rhamnosus</i> Strain CASL, an Efficient <i>D</i> -Lactic Acid Producer from Cheap Substrate Cassava. <i>Journal of Bacteriology</i> , 2011, 193, 7013-7014.	1.0	7
50	Efficient Conversion of Phenylpyruvic Acid to Phenyllactic Acid by Using Whole Cells of <i>Bacillus coagulans</i> SDM. <i>PLoS ONE</i> , 2011, 6, e19030.	1.1	71
51	An efficient method for <i>N</i> -acetyl- <i>D</i> -neuraminic acid production using coupled bacterial cells with a safe temperature-induced system. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 481-489.	1.7	42
52	Production of 2,3-butanediol from corncob molasses, a waste by-product in xylitol production. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 965-970.	1.7	90
53	Biotechnological production and applications of <i>N</i> -acetyl- <i>D</i> -neuraminic acid: current state and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1281-1289.	1.7	46
54	Cloning, expression, purification, and activity assay of proteins related to <i>D</i> -lactic acid formation in <i>Lactobacillus rhamnosus</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 2117-2123.	1.7	7

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55	Butanol production by <i>Clostridium beijerinckii</i> ATCC 55025 from wheat bran. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 495-501.	1.4	170
56	Atrazine degradation by a simple consortium of <i>Klebsiella</i> sp. A1 and <i>Comamonas</i> sp. A2 in nitrogen enriched medium. <i>Biodegradation</i> , 2010, 21, 97-105.	1.5	76
57	Pyruvate producing biocatalyst with constitutive NAD-independent lactate dehydrogenases. <i>Process Biochemistry</i> , 2010, 45, 1912-1915.	1.8	16
58	Characterization and biotechnological potential of petroleum-degrading bacteria isolated from oil-contaminated soils. <i>Bioresource Technology</i> , 2010, 101, 8452-8456.	4.8	114
59	A Novel Whole-Cell Biocatalyst with NAD <sup>+</sup> Regeneration for Production of Chiral Chemicals. <i>PLoS ONE</i> , 2010, 5, e8860.	1.1	124
60	Non-Sterilized Fermentative Production of Polymer-Grade L-Lactic Acid by a Newly Isolated Thermophilic Strain <i>Bacillus</i> sp. 2â€“6. <i>PLoS ONE</i> , 2009, 4, e4359.	1.1	103
61	Acetoin Catabolism and Acetylbutanediol Formation by <i>Bacillus pumilus</i> in a Chemically Defined Medium. <i>PLoS ONE</i> , 2009, 4, e5627.	1.1	30
62	Characterization of benzoate degradation by newly isolated bacterium <i>Pseudomonas</i> sp. XP-M2. <i>Biochemical Engineering Journal</i> , 2009, 46, 79-82.	1.8	10
63	Enhanced 2,3-butanediol production by <i>Klebsiella pneumoniae</i> SDM. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 49-57.	1.7	219
64	Enantioselective oxidation of racemic lactic acid to d-lactic acid and pyruvic acid by <i>Pseudomonas stutzeri</i> SDM. <i>Bioresource Technology</i> , 2009, 100, 1878-1880.	4.8	35
65	New Metabolites in Dibenzofuran Cometabolic Degradation by a Biphenyl-Cultivated <i>Pseudomonas putida</i> Strain B6-2. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8635-8642.	4.6	45
66	A Novel Gene, Encoding 6-Hydroxy-3-Succinoylpyridine Hydroxylase, Involved in Nicotine Degradation by <i>Pseudomonas putida</i> Strain S16. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1567-1574.	1.4	63
67	Biotransformation of isoeugenol to vanillin by a newly isolated <i>Bacillus pumilus</i> strain: Identification of major metabolites. <i>Journal of Biotechnology</i> , 2007, 130, 463-470.	1.9	94
68	Orotate Phosphoribosyltransferase from <i>Corynebacterium ammoniagenes</i> Lacking a Conserved Lysine. <i>Journal of Bacteriology</i> , 2007, 189, 9030-9036.	1.0	8
69	Cometabolic Degradation of Dibenzofuran and Dibenzothiophene by a Newly Isolated Carbazole-Degrading <i>Sphingomonas</i> sp. Strain. <i>Applied and Environmental Microbiology</i> , 2007, 73, 2832-2838.	1.4	80
70	Efficient Whole-Cell Biocatalytic Synthesis of N-Acetylneuraminic Acid. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1614-1618.	2.1	39
71	Microbial transformation of propenylbenzenes for natural flavour production. <i>Trends in Biotechnology</i> , 2007, 25, 571-576.	4.9	95
72	Medium optimization by combination of response surface methodology and desirability function: an application in glutamine production. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 563-571.	1.7	83

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73	Enhanced vanillin production from ferulic acid using adsorbent resin. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 783-790.	1.7	122
74	Production of uridine 5- $\alpha$ -monophosphate by <i>Corynebacterium ammoniagenes</i> ATCC 6872 using a statistically improved biocatalytic process. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 321-328.	1.7	24
75	Membrane-bound l- and d-lactate dehydrogenase activities of a newly isolated <i>Pseudomonas stutzeri</i> strain. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 91-98.	1.7	46
76	Deep Desulfurization of Diesel Oil and Crude Oils by a Newly Isolated <i>Rhodococcus erythropolis</i> Strain. <i>Applied and Environmental Microbiology</i> , 2006, 72, 54-58.	1.4	142
77	Simultaneous Biodegradation of S, N, and O Pollutants by Engineering of a Carbazole-Degrading Gene Cassette in a Recombinant Biocatalyst. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7373-7376.	1.4	21
78	The Surfactant Tween 80 Enhances Biodesulfurization. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7390-7393.	1.4	74
79	Biodesulfurization in Biphase Systems Containing Organic Solvents. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4604-4609.	1.4	73
80	Selective Biodegradation of S and N Heterocycles by a Recombinant <i>Rhodococcus erythropolis</i> Strain Containing Carbazole Dioxygenase. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2235-2238.	1.4	33
81	Microbial degradation of sulfur, nitrogen and oxygen heterocycles. <i>Trends in Microbiology</i> , 2006, 14, 398-405.	3.5	148
82	Microbial desulfurization of gasoline by free whole-cells of <i>Rhodococcus erythropolis</i> XP. <i>FEMS Microbiology Letters</i> , 2006, 258, 284-289.	0.7	36
83	Recovery of pyruvic acid from biotransformation solutions. <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 308-314.	1.7	34
84	Metabolism of isoeugenol via isoeugenol-diol by a newly isolated strain of <i>Bacillus subtilis</i> HS8. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 771-779.	1.7	56
85	Production of 2,3-Butanediol by <i>Klebsiella pneumoniae</i> Using Glucose and Ammonium Phosphate. <i>Chinese Journal of Chemical Engineering</i> , 2006, 14, 132-136.	1.7	89
86	Modeling for Gellan Gum Production by <i>Sphingomonas paucimobilis</i> ATCC 31461 in a Simplified Medium. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3367-3374.	1.4	72
87	Microbial Desulfurization of Gasoline in a <i>Mycobacterium goodii</i> X7B Immobilized-Cell System. <i>Applied and Environmental Microbiology</i> , 2005, 71, 276-281.	1.4	85
88	Green Route to 6-Hydroxy-3-succinoyl-pyridine from (S)-Nicotine of Tobacco Waste by Whole Cells of a <i>Pseudomonas</i> sp.. <i>Environmental Science &amp; Technology</i> , 2005, 39, 6877-6880.	4.6	67
89	An enzymatic route to produce pyruvate from lactate. <i>Applied Microbiology and Biotechnology</i> , 2004, 66, 34-39.	1.7	18
90	Deep desulfurization of hydrodesulfurization-treated diesel oil by a facultative thermophilic bacterium <i>Mycobacterium</i> sp. X7B. <i>FEMS Microbiology Letters</i> , 2003, 223, 301-307.	0.7	100

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91	Highly Efficient Conversion of Lactate to Pyruvate Using Whole Cells of Acinetobacter sp.. Biotechnology Progress, 2003, 19, 1672-1676.	1.3	23
92	Bio-desulfurization of Dibenzothiophene by a Newly Isolated Bacterium Mycobacterium sp. X7B. Journal of Chemical Engineering of Japan, 2003, 36, 1174-1177.	0.3	15