

# Jia Ouyang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

948

citations

18

h-index

28

g-index

67

ext. papers

1,188

ext. citations

5.4

avg, IF

4.56

L-index

#	Paper	IF	Citations
62	Lignin removal improves xylooligosaccharides production from poplar by acetic acid hydrolysis.. <i>Bioresource Technology</i> , <b>2022</b> , 127190	11	0
61	Efficient lactic acid production from dilute acid-pretreated lignocellulosic biomass by a synthetic consortium of engineered <i>Pseudomonas putida</i> and <i>Bacillus coagulans</i> . <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 227	7.8	2
60	A comprehensive review on microbial production of 1,2-propanediol: micro-organisms, metabolic pathways, and metabolic engineering. <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 216	7.8	1
59	Removal of inhibitory furan aldehydes in lignocellulosic hydrolysates via chitosan-chitin nanofiber hybrid hydrogel beads.. <i>Bioresource Technology</i> , <b>2021</b> , 346, 126563	11	0
58	The key role of delignification in overcoming the inherent recalcitrance of Chinese fir for biorefining. <i>Bioresource Technology</i> , <b>2021</b> , 319, 124154	11	6
57	Comprehensive utilization of corncob for furfuryl alcohol production by chemo-enzymatic sequential catalysis in a biphasic system. <i>Bioresource Technology</i> , <b>2021</b> , 319, 124156	11	15
56	Mild and efficient two-step pretreatment of lignocellulose using formic acid solvent followed by alkaline salt. <i>Cellulose</i> , <b>2021</b> , 28, 1283-1293	5.5	2
55	Engineering of a $\beta$ -galactosidase from <i>Bacillus coagulans</i> to relieve product inhibition and improve hydrolysis performance. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 10566-10575	4	1
54	Valorization of <i>Gelidium amansii</i> for dual production of D-galactonic acid and 5-hydroxymethyl-2-furancarboxylic acid by chemo-biological approach. <i>Microbial Cell Factories</i> , <b>2020</b> , 19, 104	6.4	4
53	Improved biosynthesis of 2,5-Furandicarboxylic acid through coupling of heterologous pathways in <i>Escherichia coli</i> and native pathways in <i>Pseudomonas putida</i> . <i>Biochemical Engineering Journal</i> , <b>2020</b> , 161, 107657	4.2	5
52	One-pot biosynthesis of furfuryl alcohol and lactic acid via a glucose coupled biphasic system using single <i>Bacillus coagulans</i> NL01. <i>Bioresource Technology</i> , <b>2020</b> , 313, 123705	11	17
51	A thermostable leucine dehydrogenase from <i>Bacillus coagulans</i> NL01: Expression, purification and characterization. <i>Process Biochemistry</i> , <b>2020</b> , 90, 89-96	4.8	0
50	Selective Biosynthesis of Furoic Acid From Furfural by and Identification of Molybdate Transporter Involvement in Furfural Oxidation. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 587456	5	5
49	One-pot process for lactic acid production from wheat straw by an adapted <i>Bacillus coagulans</i> and identification of genes related to hydrolysate-tolerance. <i>Bioresource Technology</i> , <b>2020</b> , 315, 123855	11	8
48	Synthesis of 2,5-furandicarboxylic acid by a TEMPO/laccase system coupled with KT2440.. <i>RSC Advances</i> , <b>2020</b> , 10, 21781-21788	3.7	5
47	Efficient biosynthesis of cinnamyl alcohol by engineered <i>Escherichia coli</i> overexpressing carboxylic acid reductase in a biphasic system. <i>Microbial Cell Factories</i> , <b>2020</b> , 19, 163	6.4	4
46	A versatile <i>Pseudomonas putida</i> KT2440 with new ability: selective oxidation of 5-hydroxymethylfurfural to 5-hydroxymethyl-2-furancarboxylic acid. <i>Bioprocess and Biosystems Engineering</i> , <b>2020</b> , 43, 67-73	3.7	14

45	Characterization, functional analysis and application of 4-Coumarate: CoA ligase genes from <i>Populus trichocarpa</i> . <i>Journal of Biotechnology</i> , <b>2019</b> , 302, 92-100	3.7	6
44	Development of two-step pretreatment of Chinese fir sawdust using dilute sulfuric acid followed by sodium chlorite for bioethanol production. <i>Cellulose</i> , <b>2019</b> , 26, 8513-8524	5.5	9
43	Naringenin Biosynthesis from -Coumaric Acid Using Recombinant Enzymes. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 13430-13436	5.7	17
42	Development of a high-efficiency trans-cinnamic acid bioproduction method by pH-controlled separation technology. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 94, 2364	3.5	
41	Efficient whole-cell biotransformation of Furfural to furfuryl alcohol by <i>Saccharomyces cerevisiae</i> NL22. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 94, 3825-3831	3.5	9
40	A novel thermostable $\beta$ -galactosidase from <i>Bacillus coagulans</i> with excellent hydrolysis ability for lactose in whey. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 9740-9748	4	16
39	Elegant and Efficient Biotransformation for Dual Production of d-Tagatose and Bioethanol from Cheese Whey Powder. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 829-835	5.7	21
38	Enhanced Inulin Saccharification by Self-Produced Inulinase from a Newly Isolated <i>Penicillium</i> sp. and its Application in D-Lactic Acid Production. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 186, 122-131	3.7	5
37	Simultaneously separation of xylo-oligosaccharide and lignosulfonate from wheat straw magnesium bisulfite pretreatment spent liquor using ion exchange resin. <i>Bioresource Technology</i> , <b>2018</b> , 249, 189-195	11	5
36	Metabolic Engineering of <i>Escherichia coli</i> K12 for Homofermentative Production of L-Lactate from Xylose. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 184, 703-715	3.2	0
35	Enhanced biosynthesis of chiral phenyllactic acid from L-phenylalanine through a new whole-cell biocatalyst. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 1205-1212	3.7	7
34	Efficient in situ separation and production of L-lactic acid by <i>Bacillus coagulans</i> using weak basic anion-exchange resin. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 205-212	3.7	8
33	Simultaneous consumption of cellobiose and xylose by to circumvent glucose repression and identification of its cellobiose-assimilating operons. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 320	7.8	6
32	Efficient bioconversion of furfural to furfuryl alcohol by NL01.. <i>RSC Advances</i> , <b>2018</b> , 8, 26720-26727	3.7	24
31	Valorization of dairy waste for enhanced D-lactic acid production at low cost. <i>Process Biochemistry</i> , <b>2018</b> , 71, 18-22	4.8	29
30	Co-production of ethanol, xylo -oligosaccharides and magnesium lignosulfonate from wheat straw by a controlled magnesium bisulfite pretreatment (MBSP). <i>Industrial Crops and Products</i> , <b>2018</b> , 113, 128-134	5.9	15
29	Rational Design of <i>Bacillus coagulans</i> NL01 l-Arabinose Isomerase and Use of Its F279I Variant in d-Tagatose Production. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 4715-4721	5.7	14
28	Fungal chitosan production using xylose rich of corn stover prehydrolysate by <i>Rhizopus oryzae</i> . <i>Biotechnology and Biotechnological Equipment</i> , <b>2017</b> , 31, 1160-1166	1.6	7

27	Fumaric Acid Production from Alkali-Pretreated Corncob by Fed-Batch Simultaneous Saccharification and Fermentation Combined with Separated Hydrolysis and Fermentation at High Solids Loading. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 181, 573-583	3.2	16
26	Highly efficient production of D-lactic acid from chicory-derived inulin by <i>Lactobacillus bulgaricus</i> . <i>Bioprocess and Biosystems Engineering</i> , <b>2016</b> , 39, 1749-57	3.7	13
25	Difference analysis of the enzymatic hydrolysis performance of acid-catalyzed steam-exploded corn stover before and after washing with water. <i>Bioprocess and Biosystems Engineering</i> , <b>2016</b> , 39, 1619-26	3.7	10
24	Efficient Conversion of Inulin to Inulooligosaccharides through Endoinulinase from <i>Aspergillus niger</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 2612-8	5.7	20
23	Impacts of lignocellulose-derived inhibitors on L-lactic acid fermentation by <i>Rhizopus oryzae</i> . <i>Bioresource Technology</i> , <b>2016</b> , 203, 173-80	11	53
22	A new magnesium bisulfite pretreatment (MBSP) development for bio-ethanol production from corn stover. <i>Bioresource Technology</i> , <b>2016</b> , 199, 188-193	11	19
21	Lactic Acid Production from Pretreated Hydrolysates of Corn Stover by a Newly Developed <i>Bacillus coagulans</i> Strain. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149101	3.7	28
20	Characterization of an L-arabinose isomerase from <i>Bacillus coagulans</i> NL01 and its application for D-tagatose production. <i>BMC Biotechnology</i> , <b>2016</b> , 16, 55	3.5	26
19	Genomic analysis of a xylose operon and characterization of novel xylose isomerase and xylulokinase from <i>Bacillus coagulans</i> NL01. <i>Biotechnology Letters</i> , <b>2016</b> , 38, 1331-9	3	6
18	Cost-effective simultaneous saccharification and fermentation of l-lactic acid from bagasse sulfite pulp by <i>Bacillus coagulans</i> CC17. <i>Bioresource Technology</i> , <b>2016</b> , 222, 431-438	11	42
17	Draft Genome Sequence of <i>Bacillus coagulans</i> NL01, a Wonderful l-Lactic Acid Producer. <i>Genome Announcements</i> , <b>2015</b> , 3,		3
16	Molecular Characterization of a Recombinant <i>Zea mays</i> Phenylalanine Ammonia-Lyase (ZmPAL2) and Its Application in trans-Cinnamic Acid Production from L-Phenylalanine. <i>Applied Biochemistry and Biotechnology</i> , <b>2015</b> , 176, 924-37	3.2	10
15	Production of optically pure L-phenyllactic acid by using engineered <i>Escherichia coli</i> coexpressing L-lactate dehydrogenase and formate dehydrogenase. <i>Journal of Biotechnology</i> , <b>2015</b> , 207, 47-51	3.7	25
14	Biocatalytic Production of Trehalose from Maltose by Using Whole Cells of Permeabilized Recombinant <i>Escherichia coli</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0140477	3.7	15
13	Comparative Study on Four Chemical Pretreatment Methods for an Efficient Saccharification of Corn Stover. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 4282-4287	4.1	24
12	Enhanced L-lactic acid production from biomass-derived xylose by a mutant <i>Bacillus coagulans</i> . <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 173, 1896-906	3.2	10
11	Kinetic characterization of recombinant <i>Bacillus coagulans</i> FDP-activated l-lactate dehydrogenase expressed in <i>Escherichia coli</i> and its substrate specificity. <i>Protein Expression and Purification</i> , <b>2014</b> , 95, 219-25	2	13
10	Simultaneous Saccharification and Fermentation of Bagasse Sulfite Pulp to Lactic Acid by <i>Bacillus coagulans</i> CC17. <i>BioResources</i> , <b>2014</b> , 9,	1.3	11

9	Comparison of Hydrolysis Efficiency and Enzyme Adsorption of Three Different Cellulosic Materials in the Presence of Poly(ethylene Glycol). <i>Bioenergy Research</i> , <b>2013</b> , 6, 1252-1259	3.1	19
8	Enzymatic hydrolysis, adsorption, and recycling during hydrolysis of bagasse sulfite pulp. <i>Bioresource Technology</i> , <b>2013</b> , 146, 288-293	11	19
7	Open fermentative production of L-lactic acid by <i>Bacillus</i> sp. strain NL01 using lignocellulosic hydrolyzates as low-cost raw material. <i>Bioresource Technology</i> , <b>2013</b> , 135, 475-80	11	81
6	Efficient non-sterilized fermentation of biomass-derived xylose to lactic acid by a thermotolerant <i>Bacillus coagulans</i> NL01. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 168, 2387-97	3.2	32
5	Production of a <i>Trichoderma reesei</i> QM9414 xylanase in <i>Pichia pastoris</i> and its application in biobleaching of wheat straw pulp. <i>World Journal of Microbiology and Biotechnology</i> , <b>2011</b> , 27, 751-758	4.4	3
4	Enhanced saccharification of SO <sub>2</sub> catalyzed steam-exploded corn stover by polyethylene glycol addition. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 2053-2058	5.3	18
3	Improved enzymatic hydrolysis of microcrystalline cellulose (Avicel PH101) by polyethylene glycol addition. <i>Bioresource Technology</i> , <b>2010</b> , 101, 6685-91	11	81
2	Catalytic Conversion of Bio-ethanol to Ethylene over La-Modified HZSM-5 Catalysts in a Bioreactor. <i>Catalysis Letters</i> , <b>2009</b> , 132, 64-74	2.8	60
1	Development of a process for the enhanced enzymatic digestibility of solid waste from tofu to yield fermentable biosugars. <i>Biocatalysis and Biotransformation</i> , 1-11	2.5	1