

# Yota Tsuge

## List of Publications by Citations

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59  
papers

1,401  
citations

22  
h-index

35  
g-index

59  
ext. papers

1,597  
ext. citations

6.2  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
59	Comparative analysis of the <i>Corynebacterium glutamicum</i> group and complete genome sequence of strain R. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 1042-1058	2.9	212
58	High-throughput transposon mutagenesis of <i>Corynebacterium glutamicum</i> and construction of a single-gene disruptant mutant library. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 3750-5	4.8	82
57	New multiple-deletion method for the <i>Corynebacterium glutamicum</i> genome, using a mutant lox sequence. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 8472-80	4.8	81
56	Large-scale engineering of the <i>Corynebacterium glutamicum</i> genome. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 3369-72	4.8	62
55	Engineering cell factories for producing building block chemicals for bio-polymer synthesis. <i>Microbial Cell Factories</i> , <b>2016</b> , 15, 19	6.4	58
54	Overexpression of the phosphofructokinase encoding gene is crucial for achieving high production of D-lactate in <i>Corynebacterium glutamicum</i> under oxygen deprivation. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 4679-89	5.7	42
53	Cre/loxP-mediated deletion system for large genome rearrangements in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2005</b> , 67, 225-33	5.7	41
52	Multiple large segment deletion method for <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2005</b> , 69, 151-61	5.7	38
51	Simultaneous saccharification and fermentation of kraft pulp by recombinant <i>Escherichia coli</i> for phenyllactic acid production. <i>Biochemical Engineering Journal</i> , <b>2014</b> , 88, 188-194	4.2	36
50	1,5-Diaminopentane production from xylooligosaccharides using metabolically engineered <i>Corynebacterium glutamicum</i> displaying beta-xylosidase on the cell surface. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1684-1691	11	32
49	Design of Wall-Destructive but Membrane-Compatible Solvents. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 16052-16055	16.4	32
48	Deletion of cgR_1596 and cgR_2070, encoding NlpC/P60 proteins, causes a defect in cell separation in <i>Corynebacterium glutamicum</i> R. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 8204-14	3.5	29
47	Recent advances in the metabolic engineering of <i>Corynebacterium glutamicum</i> for the production of lactate and succinate from renewable resources. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2015</b> , 42, 375-89	4.2	27
46	Reactions upstream of glycerate-1,3-bisphosphate drive <i>Corynebacterium glutamicum</i> (D)-lactate productivity under oxygen deprivation. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 6693-703	5.7	27
45	Lignocellulose nanofibers prepared by ionic liquid pretreatment and subsequent mechanical nanofibrillation of bagasse powder: Application to esterified bagasse/polypropylene composites. <i>Carbohydrate Polymers</i> , <b>2018</b> , 182, 8-14	10.3	27
44	Pretreatment of bagasse with a minimum amount of cholinium ionic liquid for subsequent saccharification at high loading and co-fermentation for ethanol production. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 657-663	14.7	27
43	Mechanical milling and membrane separation for increased ethanol production during simultaneous saccharification and co-fermentation of rice straw by xylose-fermenting <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , <b>2015</b> , 185, 263-8	11	26

42	Utilization of lactic acid bacterial genes in <i>Synechocystis</i> sp. PCC 6803 in the production of lactic acid. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2013</b> , 77, 966-70	2.1	25
41	Phenyllactic acid production by simultaneous saccharification and fermentation of pretreated sorghum bagasse. <i>Bioresource Technology</i> , <b>2015</b> , 182, 169-178	11	24
40	Direct production of organic acids from starch by cell surface-engineered <i>Corynebacterium glutamicum</i> in anaerobic conditions. <i>AMB Express</i> , <b>2013</b> , 3, 72	4.1	24
39	Random segment deletion based on IS31831 and Cre/loxP excision system in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 74, 1333-41	5.7	24
38	3-Amino-4-hydroxybenzoic acid production from sweet sorghum juice by recombinant <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , <b>2015</b> , 198, 410-7	11	23
37	Dimethyl sulfoxide enhances both the cellulose dissolution ability and biocompatibility of a carboxylate-type liquid zwitterion. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 13225-13228	3.6	22
36	Precipitate obtained following membrane separation of hydrothermally pretreated rice straw liquid revealed by 2D NMR to have high lignin content. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 88	7.8	20
35	Toward the complete utilization of rice straw: Methane fermentation and lignin recovery by a combinational process involving mechanical milling, supporting material and nanofiltration. <i>Bioresource Technology</i> , <b>2016</b> , 216, 830-7	11	20
34	Detoxification of furfural in <i>Corynebacterium glutamicum</i> under aerobic and anaerobic conditions. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 8675-83	5.7	20
33	Ionic liquid pretreatment of bagasse improves mechanical property of bagasse/polypropylene composites. <i>Industrial Crops and Products</i> , <b>2017</b> , 109, 158-162	5.9	19
32	Two-step production of D-lactate from mixed sugars by growing and resting cells of metabolically engineered <i>Lactobacillus plantarum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 4911-8	5.7	19
31	Isolation and characterization of a native composite transposon, Tn14751, carrying 17.4 kilobases of <i>Corynebacterium glutamicum</i> chromosomal DNA. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 407-16	4.8	18
30	Repeated ethanol production from sweet sorghum juice concentrated by membrane separation. <i>Bioresource Technology</i> , <b>2015</b> , 186, 351-355	11	17
29	Glucose consumption rate critically depends on redox state in <i>Corynebacterium glutamicum</i> under oxygen deprivation. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 5573-82	5.7	16
28	Metabolic engineering of <i>Corynebacterium glutamicum</i> for hyperproduction of polymer-grade L- and D-lactic acid. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 3381-3391	5.7	15
27	Optimized membrane process to increase hemicellulosic ethanol production from pretreated rice straw by recombinant xylose-fermenting <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , <b>2014</b> , 169, 380-386	11	15
26	Increase in lactate yield by growing <i>Corynebacterium glutamicum</i> in a bioelectrochemical reactor. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 117, 598-601	3.3	15
25	Oxidative depolymerization potential of biorefinery lignin obtained by ionic liquid pretreatment and subsequent enzymatic saccharification of eucalyptus. <i>Industrial Crops and Products</i> , <b>2018</b> , 111, 457-467	5.9	15

24	Automatic Redirection of Carbon Flux between Glycolysis and Pentose Phosphate Pathway Using an Oxygen-Responsive Metabolic Switch in. <i>ACS Synthetic Biology</i> , <b>2020</b> , 9, 814-826	5.7	14
23	FudC, a protein primarily responsible for furfural detoxification in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 2685-92	5.7	14
22	Increased ethanol production from sweet sorghum juice concentrated by a membrane separation process. <i>Bioresource Technology</i> , <b>2014</b> , 169, 821-825	11	14
21	Advances in metabolic engineering of <i>Corynebacterium glutamicum</i> to produce high-value active ingredients for food, feed, human health, and well-being. <i>Essays in Biochemistry</i> , <b>2021</b> , 65, 197-212	7.6	14
20	Comparison of metabolomic profiles of microbial communities between stable and deteriorated methanogenic processes. <i>Bioresource Technology</i> , <b>2014</b> , 172, 83-90	11	12
19	Enhanced production of d-lactate from mixed sugars in <i>Corynebacterium glutamicum</i> by overexpression of glycolytic genes encoding phosphofructokinase and triosephosphate isomerase. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 288-293	3.3	11
18	Less biomass and intracellular glutamate in anodic biofilms lead to efficient electricity generation by microbial fuel cells. <i>Biotechnology for Biofuels</i> , <b>2019</b> , 12, 72	7.8	10
17	Metabolic engineering of <i>Corynebacterium glutamicum</i> for production of sunscreen shinorine. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2018</b> , 82, 1252-1259	2.1	10
16	Comparative metabolic state of microflora on the surface of the anode electrode in a microbial fuel cell operated at different pH conditions. <i>AMB Express</i> , <b>2016</b> , 6, 125	4.1	10
15	Application of microalgae hydrolysate as a fermentation medium for microbial production of 2-pyrone 4,6-dicarboxylic acid. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 717-722	3.3	9
14	Changes in the microbial consortium during dark hydrogen fermentation in a bioelectrochemical system increases methane production during a two-stage process. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 173	7.8	9
13	A new insertion sequence, IS14999, from <i>Corynebacterium glutamicum</i> . <i>Microbiology (United Kingdom)</i> , <b>2005</b> , 151, 501-508	2.9	9
12	Sucrose purification and repeated ethanol production from sugars remaining in sweet sorghum juice subjected to a membrane separation process. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 6007-6014	5.7	8
11	Recent progress in production of amino acid-derived chemicals using <i>Corynebacterium glutamicum</i> . <i>World Journal of Microbiology and Biotechnology</i> , <b>2021</b> , 37, 49	4.4	8
10	Optimal Ratio of Carbon Flux between Glycolysis and the Pentose Phosphate Pathway for Amino Acid Accumulation in. <i>ACS Synthetic Biology</i> , <b>2020</b> , 9, 1615-1622	5.7	7
9	Isolation of a new insertion sequence, IS13655, and its application to <i>Corynebacterium glutamicum</i> genome mutagenesis. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2007</b> , 71, 1683-90	2.1	4
8	Requirement of de novo synthesis of pyruvate carboxylase in long-term succinic acid production in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 4313-4320	5.7	3
7	Enhanced methane production from cellulose using a two-stage process involving a bioelectrochemical system and a fixed film reactor. <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 7	7.8	3

6	Anaerobic glucose consumption is accelerated at non-proliferating elevated temperatures through upregulation of a glucose transporter gene in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 6719-6729	5.7	1
5	Production of Amino Acids (L-Glutamic Acid and L-Lysine) from Biomass. <i>Biofuels and Biorefineries</i> , <b>2017</b> , 437-455	0.3	1
4	Physiological characteristics of <i>Corynebacterium glutamicum</i> as a cell factory under anaerobic conditions. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 6173-6181	5.7	0
3	Molecular dynamics simulation on elastic anisotropy and slip systems of crystalline phase of polypropylene. <i>Transactions of the JSME (in Japanese)</i> , <b>2017</b> , 83, 16-00525-16-00525	0.2	
2	?????????????????????????????????????. <i>Kagaku To Seibutsu</i> , <b>2021</b> , 59, 2-3	0	
1	Elevated, non-proliferative temperatures change the profile of fermentation products in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 367-377	5.7	