

Yun-Peng Chao

List of Publications by Year in descending order

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84
papers

1,834
citations

257450

24
h-index

330143

37
g-index

86
all docs

86
docs citations

86
times ranked

1852
citing authors

#	ARTICLE	IF	CITATIONS
1	Azo dye decolorization with a mutant <i>Escherichia coli</i> strain. <i>Biotechnology Letters</i> , 2000, 22, 807-812.	2.2	87
2	Enhanced integration of large DNA into <i>E. coli</i> chromosome by CRISPR/Cas9. <i>Biotechnology and Bioengineering</i> , 2017, 114, 172-183.	3.3	87
3	Potential production platform of n-butanol in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2015, 27, 76-82.	7.0	82
4	Efficient System of Artificial Oil Bodies for Functional Expression and Purification of Recombinant Nattokinase in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 4799-4804.	5.2	72
5	Biorefining of protein waste for production of sustainable fuels and chemicals. <i>Biotechnology for Biofuels</i> , 2018, 11, 256.	6.2	58
6	Construction of Chromosomally Located T7 Expression System for Production of Heterologous Secreted Proteins in <i>Bacillus subtilis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 5392-5399.	5.2	56
7	Replicon-free and markerless methods for genomic insertion of DNAs in phage attachment sites and controlled expression of chromosomal genes in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2008, 101, 985-995.	3.3	53
8	Systematic Approach To Engineer <i>Escherichia coli</i> Pathways for Co-utilization of a Glucose-Xylose Mixture. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7583-7590.	5.2	53
9	Chitin-binding domain based immobilization of d-hydantoinase. <i>Journal of Biotechnology</i> , 2005, 117, 267-275.	3.8	47
10	Metabolic Engineering of <i>Escherichia coli</i> for Production of Butyric Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4342-4348.	5.2	46
11	Systematic engineering of the central metabolism in <i>Escherichia coli</i> for effective production of n-butanol. <i>Biotechnology for Biofuels</i> , 2016, 9, 69.	6.2	44
12	Metabolic engineering of <i>Escherichia coli</i> for production of n-butanol from crude glycerol. <i>Biotechnology for Biofuels</i> , 2017, 10, 173.	6.2	44
13	Enhanced levan production using chitin-binding domain fused levansucrase immobilized on chitin beads. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 445-451.	3.6	40
14	Enhanced Conversion Rate of L-Phenylalanine by Coupling Reactions of Aminotransferases and Phosphoenolpyruvate Carboxykinase in <i>Escherichia coli</i> K-12. <i>Biotechnology Progress</i> , 1999, 15, 453-458.	2.6	38
15	Selective production of L-aspartic acid and L-phenylalanine by coupling reactions of aspartase and aminotransferase in <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2000, 27, 19-25.	3.2	38
16	Immobilization of Cells with Surface-Displayed Chitin-Binding Domain. <i>Applied and Environmental Microbiology</i> , 2006, 72, 927-931.	3.1	37
17	Synthetic Consortium of <i>Escherichia coli</i> for n-Butanol Production by Fermentation of the Glucose-Xylose Mixture. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10040-10047.	5.2	37
18	One-Step Production of D-p-Hydroxyphenylglycine by Recombinant <i>Escherichia coli</i> Strains. <i>Biotechnology Progress</i> , 1999, 15, 1039-1045.	2.6	36

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19	Stringent Regulation and High-Level Expression of Heterologous Genes in Escherichia coli Using T7 System Controllable by the araBAD Promoter. <i>Biotechnology Progress</i> , 2002, 18, 394-400.	2.6	34
20	One-step purification of insoluble hydantoinase overproduced in Escherichia coli. <i>Protein Expression and Purification</i> , 2007, 52, 14-18.	1.3	29
21	Medium Optimization for the Production of Recombinant Nattokinase by Bacillus subtilis Using Response Surface Methodology. <i>Biotechnology Progress</i> , 2007, 23, 1327-1332.	2.6	29
22	The Effect of Serine Protease Inhibitors on Airway Inflammation in a Chronic Allergen-Induced Asthma Mouse Model. <i>Mediators of Inflammation</i> , 2014, 2014, 1-10.	3.0	29
23	Facile Immobilization of Evolved Agrobacterium radiobacter Carbamoylase with High Thermal and Oxidative Stability. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6348-6354.	5.2	26
24	A simple and effective method to prepare immobilized enzymes using artificial oil bodies. <i>Enzyme and Microbial Technology</i> , 2006, 39, 1152-1158.	3.2	24
25	Bioreactors and in situ product recovery techniques for acetone-butanol-ethanol fermentation. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw107.	1.8	24
26	Construction and characterization of thermo-inducible vectors derived from heat-sensitive lacI genes in combination with the T7 A1 promoter. <i>Biotechnology and Bioengineering</i> , 2002, 79, 1-8.	3.3	23
27	Medium optimization and production of secreted Renilla luciferase in Bacillus subtilis by fed-batch fermentation. <i>Biochemical Engineering Journal</i> , 2010, 49, 395-400.	3.6	23
28	Direct in situ butanol recovery inside the packed bed during continuous acetone-butanol-ethanol (ABE) fermentation. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7449-7456.	3.6	23
29	Production of D-P-HYDROXYPHENYLGLYCINE BY N-CARBAMOYL-D-amino Acid Amidohydrolase-Overproducing Escherichia coli Strains. <i>Biotechnology Progress</i> , 1999, 15, 603-607.	2.6	22
30	S-system approach to modeling recombinant Escherichia coli growth by hybrid differential evolution with data collocation. <i>Biochemical Engineering Journal</i> , 2006, 28, 10-16.	3.6	22
31	Selective Delivery of Cargo Entities to Tumor Cells by Nanoscale Artificial Oil Bodies. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11695-11702.	5.2	22
32	Enhanced production of recombinant nattokinase in Bacillus subtilis by the elimination of limiting factors. <i>Biotechnology Letters</i> , 2006, 28, 1595-1600.	2.2	20
33	Systematic Engineering of Escherichia coli for d-Lactate Production from Crude Glycerol. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9583-9589.	5.2	20
34	Improvement of the Thermoregulated T7 Expression System by Using the Heat-Sensitive lacI. <i>Biotechnology Progress</i> , 2004, 20, 1352-1358.	2.6	19
35	Engineering of Escherichia coli for targeted delivery of transgenes to HER2/neu-positive tumor cells. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1662-1672.	3.3	19
36	Genomic engineering of Escherichia coli by the phage attachment site-based integration system with mutant loxP sites. <i>Process Biochemistry</i> , 2012, 47, 2246-2254.	3.7	19

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37	Strategy To Approach Stable Production of Recombinant Nattokinase in <i>Bacillus subtilis</i> . <i>Biotechnology Progress</i> , 2007, 23, 808-813.	2.6	19
38	Strategy for Stable and High-Level Expression of Recombinant Trehalose Synthase in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6063-6068.	5.2	18
39	Effect of <i>Cordyceps Militaris</i> Waster Medium on Production Performance, Egg Traits and Egg Yolk Cholesterol of Laying Hens. <i>Journal of Poultry Science</i> , 2015, 52, 188-196.	1.6	18
40	Development of a thermo-regulated expression vector in <i>Escherichia coli</i> B strain. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 1-5.	5.3	17
41	Caleosin-assembled oil bodies as a potential delivery nanocarrier. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1905-1915.	3.6	16
42	In vivo immobilization of d-hydantoinase in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 78-81.	2.2	16
43	Production of biobutanol from cellulose hydrolysate by the <i>Escherichia coli</i> co-culture system. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw008.	1.8	16
44	Diabetes-induced cardiomyopathy is ameliorated by heat-killed <i>Lactobacillus reuteri</i> GMNL-263 in diabetic rats via the repression of the toll-like receptor 4 pathway. <i>European Journal of Nutrition</i> , 2021, 60, 3211-3223.	3.9	16
45	Selective internalization of self-assembled artificial oil bodies by HER2-positive cells. <i>Nanotechnology</i> , 2011, 22, 015102.	2.6	15
46	Rewiring of glycerol metabolism in <i>Escherichia coli</i> for effective production of recombinant proteins. <i>Biotechnology for Biofuels</i> , 2020, 13, 205.	6.2	15
47	Purification of industrial hydantoinase in one chromatographic step without affinity tag. <i>Protein Expression and Purification</i> , 2003, 30, 134-139.	1.3	14
48	Strategy To Approach Stable Production of Recombinant Nattokinase in <i>Bacillus subtilis</i> . <i>Biotechnology Progress</i> , 2007, 23, 808-813.	2.6	14
49	Design of a noncovalently linked bifunctional enzyme for whole-cell biotransformation. <i>Process Biochemistry</i> , 2014, 49, 1122-1128.	3.7	14
50	A Facile and Efficient Method To Achieve LacZ Overproduction by the Expression Vector Carrying the Thermoregulated Promoter and Plasmid Copy Number. <i>Biotechnology Progress</i> , 2008, 20, 420-425.	2.6	13
51	Effective production of n-butanol in <i>Escherichia coli</i> utilizing the glucose-glycerol mixture. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 81, 134-139.	5.3	13
52	Administration of <i>Bacillus Amyloliquefaciens</i> and <i>Saccharomyces Cerevisiae</i> as Direct-Fed Microbials Improves Intestinal Microflora and Morphology in Broiler Chickens. <i>Journal of Poultry Science</i> , 2017, 54, 134-141.	1.6	13
53	A Strategy to Improve Production of Recombinant Proteins in <i>Escherichia coli</i> Based on a Glucose-glycerol Mixture and Glutamate. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8883-8889.	5.2	13
54	Molecular cloning of the carboxylesterase gene and biochemical characterization of the encoded protein from <i>Pseudomonas citronellolis</i> ATCC 13674. <i>Research in Microbiology</i> , 2003, 154, 521-526.	2.1	12

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55	Development of Nanoscale Oil Bodies for Targeted Treatment of Lung Cancer. Journal of Agricultural and Food Chemistry, 2018, 66, 9438-9445.	5.2	12
56	Production of Succinic Acid from Amino Acids in <i>Escherichia coli</i> . Journal of Agricultural and Food Chemistry, 2021, 69, 8172-8178.	5.2	12
57	A Glucose-Insensitive T7 Expression System for Fully-Induced Expression of Proteins at a Subsaturating Level of <i>l</i> -Arabinose. Journal of Agricultural and Food Chemistry, 2011, 59, 6534-6542.	5.2	11
58	Coupling the T7 A1 Promoter to the Runaway-Replication Vector as an Efficient Method for Stringent Control and High-Level Expression of lacZ. Biotechnology Progress, 2001, 17, 203-207.	2.6	9
59	Enhancement of recombinant protein production in <i>Escherichia coli</i> by coproduction of aspartase. Journal of Biotechnology, 2006, 124, 403-411.	3.8	9
60	A theranostic approach to breast cancer by a quantum dots- and magnetic nanoparticles-conjugated peptide. Journal of the Taiwan Institute of Chemical Engineers, 2019, 97, 88-95.	5.3	9
61	A simple strategy to effectively produce d-lactate in crude glycerol-utilizing <i>Escherichia coli</i> . Biotechnology for Biofuels, 2019, 12, 273.	6.2	9
62	Development of Alginate Microspheres Containing Chuanxiong for Oral Administration to Adult Zebrafish. BioMed Research International, 2016, 2016, 1-7.	1.9	8
63	Understanding and harnessing the glutamate metabolism in <i>Escherichia coli</i> . Journal of the Taiwan Institute of Chemical Engineers, 2021, 121, 115-121.	5.3	8
64	Title is missing!. Biotechnology Letters, 2001, 23, 5-11.	2.2	7
65	Genomic engineering of <i>Escherichia coli</i> for production of intermediate metabolites in the aromatic pathway. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 34-40.	5.3	7
66	Effects of recombinant lycopene dietary supplement on the egg quality and blood characteristics of laying quails. Journal of Bioscience and Bioengineering, 2015, 120, 539-543.	2.2	7
67	Artificial oil body as a potential oral administration system in zebrafish. Journal of the Taiwan Institute of Chemical Engineers, 2016, 61, 46-53.	5.3	7
68	Title is missing!. Biotechnology Letters, 2000, 22, 99-103.	2.2	6
69	Development of a fed-batch fermentation process to overproduce phosphoenolpyruvate carboxykinase using an expression vector with promoter and plasmid copy number controllable by heat. Biotechnology and Bioengineering, 2003, 84, 459-466.	3.3	6
70	Applicability of New Expression Vectors for Both Engineering Uses and Biological Studies. Biotechnology Progress, 2003, 19, 1076-1080.	2.6	6
71	Targeted delivery of bio-synthetic lycopene by the bacterial carrier. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 91-97.	5.3	6
72	Taiwanin E Induces Cell Cycle Arrest and Apoptosis in Arecoline/4-NQO-Induced Oral Cancer Cells Through Modulation of the ERK Signaling Pathway. Frontiers in Oncology, 2019, 9, 1309.	2.8	6

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73	Deciphering glutamate and aspartate metabolism to improve production of succinate in <i>Escherichia coli</i> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 136, 104417.	5.3	6
74	Efficient production of recombinant proteins in <i>Escherichia coli</i> using an improved l-arabinose-inducible T7 expression system. <i>Process Biochemistry</i> , 2005, 40, 3137-3142.	3.7	5
75	Selective delivery of curcumin to HER2/neu-overexpressing tumor cells using nanoscale oil body. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 99, 38-44.	5.3	5
76	Secreted production of <i>Renilla</i> luciferase in <i>Bacillus subtilis</i> . <i>Biotechnology Progress</i> , 2010, 26, 589-594.	2.6	4
77	A useful method integrating production and immobilization of recombinant cellulase. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9185-9192.	3.6	4
78	Statistical optimization of one-step immobilization process for recombinant endoglucanase from <i>Clostridium thermocellum</i> . <i>Process Biochemistry</i> , 2013, 48, 1886-1892.	3.7	4
79	Development of a genomic engineering tool in <i>Saccharomyces cerevisiae</i> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 24-31.	5.3	2
80	Marker-Free Chromosomal Expression of Foreign and Native Genes in <i>Escherichia coli</i> . <i>Methods in Molecular Biology</i> , 2011, 765, 113-123.	0.9	1
81	Biocatalytic Conversion of Short-Chain Fatty Acids to Corresponding Alcohols in <i>Escherichia coli</i> . <i>Processes</i> , 2021, 9, 973.	2.8	1
82	Development of a Targeted Gene-Delivery System Using <i>Escherichia coli</i> . <i>Methods in Molecular Biology</i> , 2016, 1409, 85-93.	0.9	1
83	Hydantoinases. , 2007, , 599-606.		1
84	Editorial: Technological Advances Improving Recombinant Protein Production in Bacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 729472.	3.5	0