

Zhinan Xu

List of Publications by Citations

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140
papers

2,623
citations

29
h-index

43
g-index

143
ext. papers

2,997
ext. citations

4.2
avg, IF

4.89
L-index

#	Paper	IF	Citations
140	Butyric acid fermentation in a fibrous bed bioreactor with immobilized <i>Clostridium tyrobutyricum</i> from cane molasses. <i>Bioresource Technology</i> , 2009 , 100, 3403-9	11	157
139	Enhanced butyric acid tolerance and bioproduction by <i>Clostridium tyrobutyricum</i> immobilized in a fibrous bed bioreactor. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 31-40	4.9	113
138	Recent advances in the research and development of human defensins. <i>Peptides</i> , 2006 , 27, 931-40	3.8	107
137	Efficient production of butyric acid from Jerusalem artichoke by immobilized <i>Clostridium tyrobutyricum</i> in a fibrous-bed bioreactor. <i>Bioresource Technology</i> , 2011 , 102, 3923-6	11	84
136	Fabrication of an aquaporin-based forward osmosis membrane through covalent bonding of a lipid bilayer to a microporous support. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20118-20126	13	78
135	Production of butyric acid from glucose and xylose with immobilized cells of <i>Clostridium tyrobutyricum</i> in a fibrous-bed bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 160, 350-9	3.2	58
134	High-level production of poly (ϵ -L: -malic acid) with a new isolated <i>Aureobasidium pullulans</i> strain. <i>Applied Microbiology and Biotechnology</i> , 2011 , 92, 295-303	5.7	57
133	High-level production of bioactive human beta-defensin-4 in <i>Escherichia coli</i> by soluble fusion expression. <i>Applied Microbiology and Biotechnology</i> , 2006 , 72, 471-9	5.7	52
132	Improvement of FK506 production in <i>Streptomyces tsukubaensis</i> by genetic enhancement of the supply of unusual polyketide extender units via utilization of two distinct site-specific recombination systems. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 5093-103	4.8	49
131	Engineered production of iso-migrastatin in heterologous <i>Streptomyces</i> hosts. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 2147-53	3.4	49
130	Application of inkjet printing technique for biological material delivery and antimicrobial assays. <i>Analytical Biochemistry</i> , 2011 , 410, 171-6	3.1	49
129	High-level exogenous glutamic acid-independent production of poly-(ϵ -L-glutamic acid) with organic acid addition in a new isolated <i>Bacillus subtilis</i> C10. <i>Bioresource Technology</i> , 2012 , 116, 241-6	11	47
128	Efficient production of a soluble fusion protein containing human beta-defensin-2 in <i>E. coli</i> cell-free system. <i>Journal of Biotechnology</i> , 2005 , 115, 307-15	3.7	47
127	Optimization of ϵ -polyglutamic acid production by <i>Bacillus subtilis</i> ZJU-7 using a surface-response methodology. <i>Biotechnology and Bioprocess Engineering</i> , 2006 , 11, 251-257	3.1	44
126	Generation of high rapamycin producing strain via rational metabolic pathway-based mutagenesis and further titer improvement with fed-batch bioprocess optimization. <i>Biotechnology and Bioengineering</i> , 2010 , 107, 506-15	4.9	41
125	High-level expression of recombinant glucose dehydrogenase and its application in NADPH regeneration. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007 , 34, 83-90	4.2	41
124	High-level expression of soluble human ϵ -defensin-2 in <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2004 , 39, 2199-2205	4.8	41

123	Preparative scale production of functional mouse aquaporin 4 using different cell-free expression modes. <i>PLoS ONE</i> , 2010 , 5, e12972	3.7	39
122	Preferential codons enhancing the expression level of human beta-defensin-2 in recombinant <i>Escherichia coli</i> . <i>Protein and Peptide Letters</i> , 2004 , 11, 339-44	1.9	39
121	High yield and cost-effective production of poly(γ -glutamic acid) with <i>Bacillus subtilis</i> . <i>Engineering in Life Sciences</i> , 2011 , 11, 291-297	3.4	38
120	Improving aquaporin Z expression in <i>Escherichia coli</i> by fusion partners and subsequent condition optimization. <i>Applied Microbiology and Biotechnology</i> , 2009 , 82, 463-70	5.7	37
119	Generation of high-yield rapamycin-producing strains through protoplasts-related techniques. <i>Applied Microbiology and Biotechnology</i> , 2009 , 83, 507-12	5.7	34
118	Effects of cultivation conditions on the production of natamycin with <i>Streptomyces gilvosporeus</i> LK-196. <i>Enzyme and Microbial Technology</i> , 2008 , 42, 145-50	3.8	34
117	Efficient production of L-lactic acid from hydrolysate of Jerusalem artichoke with immobilized cells of <i>Lactococcus lactis</i> in fibrous bed bioreactors. <i>Enzyme and Microbial Technology</i> , 2012 , 51, 263-8	3.8	33
116	Characterization of NocL involved in thiopeptide nocathiacin I biosynthesis: a [4Fe-4S] cluster and the catalysis of a radical S-adenosylmethionine enzyme. <i>Journal of Biological Chemistry</i> , 2011 , 286, 21287-94	5.4	33
115	High-throughput screening of high-yield colonies of <i>Rhizopus oryzae</i> for enhanced production of fumaric acid. <i>Annals of Microbiology</i> , 2010 , 60, 287-292	3.2	32
114	Bio-Inspired Aquaporin _z Containing Double-Skinned Forward Osmosis Membrane Synthesized through Layer-by-Layer Assembly. <i>Membranes</i> , 2015 , 5, 369-84	3.8	30
113	High-level expression of soluble human beta-defensin-2 fused with green fluorescent protein in <i>Escherichia coli</i> cell-free system. <i>Applied Biochemistry and Biotechnology</i> , 2005 , 127, 53-62	3.2	30
112	High-level expression of a soluble functional antimicrobial peptide, human beta-defensin 2, in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2006 , 22, 382-6	2.8	29
111	Efficient production of poly- γ -glutamic acid by <i>Bacillus subtilis</i> ZJU-7. <i>Applied Biochemistry and Biotechnology</i> , 2006 , 133, 271-82	3.2	28
110	Cloning and expression of human beta-defensin-2 gene in <i>Escherichia coli</i> . <i>Protein and Peptide Letters</i> , 2002 , 9, 31-7	1.9	28
109	A novel approach for poly- γ -glutamic acid production using xylose and corncob fibres hydrolysate in <i>Bacillus subtilis</i> HB-1. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 616-622	3.5	27
108	Production of bioactive human beta-defensin-3 in <i>Escherichia coli</i> by soluble fusion expression. <i>Biotechnology Letters</i> , 2006 , 28, 627-32	3	26
107	Cell-free protein synthesis enabled rapid prototyping for metabolic engineering and synthetic biology. <i>Synthetic and Systems Biotechnology</i> , 2018 , 3, 90-96	4.2	25
106	Tandem repeat mhBD2 gene enhance the soluble fusion expression of hBD2 in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2006 , 71, 661-7	5.7	24

105	Efficient Production of Hydroxylated Human-Like Collagen Via the Co-Expression of Three Key Genes in Escherichia coli Origami (DE3). <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 1458-70	3.2	23
104	The main byproducts and metabolic flux profiling of PGA-producing strain B. subtilis ZJU-7 under different pH values. <i>Journal of Biotechnology</i> , 2013 , 164, 67-74	3.7	23
103	Metabolic pathway engineering for high-level production of 5-hydroxytryptophan in Escherichia coli. <i>Metabolic Engineering</i> , 2018 , 48, 279-287	9.7	21
102	Titer improvement of iso-migrastatin in selected heterologous Streptomyces hosts and related analysis of mRNA expression by quantitative RT-PCR. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1709-19	5.7	21
101	Control and optimization of Clostridium tyrobutyricum ATCC 25755 adhesion into fibrous matrix in a fibrous bed bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 165, 98-108	3.2	21
100	Efficient Separation of Butyric Acid by an Aqueous Two-phase System with Calcium Chloride. <i>Chinese Journal of Chemical Engineering</i> , 2010 , 18, 533-537	3.2	21
99	Fusion expression of human beta-defensin-2 from multiple joined genes in Escherichia coli. <i>Preparative Biochemistry and Biotechnology</i> , 2004 , 34, 215-25	2.4	21
98	The Improvement of SAM Accumulation by Integrating the Endogenous Methionine Adenosyltransferase Gene SAM2 in Genome of the Industrial Saccharomyces cerevisiae Strain. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 1263-72	3.2	20
97	Efficient expression of aquaporin Z in Escherichia coli cell-free system using different fusion vectors. <i>Protein and Peptide Letters</i> , 2010 , 17, 181-5	1.9	19
96	Engineering of global regulator cAMP receptor protein (CRP) in Escherichia coli for improved lycopene production. <i>Journal of Biotechnology</i> , 2015 , 199, 55-61	3.7	18
95	Phosphoenolpyruvate-dependent phosphorylation of sucrose by Clostridium tyrobutyricum ZJU 8235: evidence for the phosphotransferase transport system. <i>Bioresource Technology</i> , 2010 , 101, 304-9	11	18
94	Microbial production of natural poly amino acid. <i>Science in China Series B: Chemistry</i> , 2007 , 50, 291-303		18
93	A CRISPR-Cas12a-derived biosensor enabling portable personal glucose meter readout for quantitative detection of SARS-CoV-2. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 1587-1596	4.9	18
92	FK506 maturation involves a cytochrome p450 protein-catalyzed four-electron C-9 oxidation in parallel with a C-31 O-methylation. <i>Journal of Bacteriology</i> , 2013 , 195, 1931-9	3.5	17
91	Effects of cultivation conditions on the production of gamma-PGA with Bacillus subtilis ZJU-7. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 160, 370-7	3.2	17
90	High-level expression of human beta-defensin-2 gene with rare codons in E. coli cell-free system. <i>Protein and Peptide Letters</i> , 2006 , 13, 155-62	1.9	17
89	Combined genome editing and transcriptional repression for metabolic pathway engineering in Corynebacterium glutamicum using a catalytically active Cas12a. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 8911-8922	5.7	16
88	Efficient expression of membrane-bound water channel protein (Aquaporin Z) in Escherichia coli. <i>Protein and Peptide Letters</i> , 2008 , 15, 687-91	1.9	15

87	CRISPR-Cas12a-Assisted Multicolor Biosensor for Semiquantitative Point-of-Use Testing of the Nopaline Synthase Terminator in Genetically Modified Crops by Unaided Eyes. <i>ACS Synthetic Biology</i> , 2020 , 9, 3114-3123	5.7	15
86	Construction of a series of episomal plasmids and their application in the development of an efficient CRISPR/Cas9 system in <i>Pichia pastoris</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2019 , 35, 79	4.4	14
85	Improving the productivity of S-adenosyl-L-methionine by metabolic engineering in an industrial <i>Saccharomyces cerevisiae</i> strain. <i>Journal of Biotechnology</i> , 2016 , 236, 64-70	3.7	14
84	Enhanced functional expression of aquaporin Z via fusion of in situ cleavable leader peptides in <i>Escherichia coli</i> cell-free system. <i>Enzyme and Microbial Technology</i> , 2014 , 55, 26-30	3.8	14
83	Functional characterization of tlmH in <i>Streptoalloteichus hindustanus</i> E465-94 ATCC 31158 unveiling new insight into tetracycline biosynthesis and affording a novel bleomycin analog. <i>Molecular BioSystems</i> , 2010 , 6, 349-56		14
82	Efficient expression, purification, and characterization of a novel FAD-dependent glucose dehydrogenase from <i>Aspergillus terreus</i> in <i>Pichia pastoris</i> . <i>Journal of Microbiology and Biotechnology</i> , 2014 , 24, 1516-24	3.3	14
81	Refolding and two-step purification by hydrophobic interaction chromatography of recombinant human bone morphogenetic protein-2 from <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2012 , 47, 960-967	4.8	13
80	Long-term production of butyric acid through immobilization of <i>Clostridium tyrobutyricum</i> in a moving fibrous-bed bioreactor (MFBB). <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 1883-1889 ¹³	3.5	13
79	Effects of three main sugars in cane molasses on the production of butyric acid with <i>Clostridium tyrobutyricum</i> . <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 2312-2315	2.8	13
78	Construction of a two-strain system for asymmetric reduction of ethyl 4-chloro-3-oxobutanoate to (S)-4-chloro-3-hydroxybutanoate ethyl ester. <i>Applied Microbiology and Biotechnology</i> , 2006 , 70, 40-6	5.7	13
77	Expression of human beta-defensin-2 with multiple joined genes in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2005 , 120, 1-13	3.2	13
76	Identification and characterization of a new erythromycin biosynthetic gene cluster in <i>Actinopolyspora erythraea</i> YIM90600, a novel erythronolide-producing halophilic actinomycete isolated from salt field. <i>PLoS ONE</i> , 2014 , 9, e108129	3.7	13
75	Novel and efficient screening of PQQ high-yielding strains and subsequent cultivation optimization. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 10321-10330	5.7	12
74	Recent advances in inkjet dispensing technologies: applications in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2012 , 7, 761-70	6.2	12
73	Enhanced expression and primary purification of soluble HBD3 fusion protein in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2007 , 142, 139-47	3.2	12
72	Expression, characterization and mutagenesis of an FAD-dependent glucose dehydrogenase from <i>Aspergillus terreus</i> . <i>Enzyme and Microbial Technology</i> , 2015 , 68, 43-9	3.8	11
71	Preparation, characterization, and flocculation performance of P(acrylamide-co-diallyldimethylammonium chloride) by UV-initiated template polymerization. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	11
70	Electrochemical analysis of <i>Clostridium propionicum</i> and its acrylic acid production in microbial fuel cells. <i>Engineering in Life Sciences</i> , 2011 , 11, 238-244	3.4	11

69	High-level expression of soluble subunit b of F1F0 ATP synthase in Escherichia coli cell-free system. <i>Applied Microbiology and Biotechnology</i> , 2009 , 85, 303-11	5.7	11
68	High-level soluble expression of hIGF-1 fusion protein in recombinant Escherichia coli. <i>Process Biochemistry</i> , 2010 , 45, 1401-1405	4.8	11
67	Functional expression and purification of bovine enterokinase light chain in recombinant Escherichia coli. <i>Preparative Biochemistry and Biotechnology</i> , 2007 , 37, 205-17	2.4	11
66	A Single Cas9-VPR Nuclease for Simultaneous Gene Activation, Repression, and Editing in. <i>ACS Synthetic Biology</i> , 2020 , 9, 2252-2257	5.7	11
65	Toxic effects of acrylic acid on Clostridium propionicum and isolation of acrylic acid-tolerant mutants for production of acrylic acid. <i>Engineering in Life Sciences</i> , 2012 , 12, 567-573	3.4	10
64	High-level production of soluble pyrroloquinoline quinone-dependent glucose dehydrogenase in Escherichia coli. <i>Engineering in Life Sciences</i> , 2012 , 12, 574-582	3.4	10
63	Enhanced production of l-tryptophan with glucose feeding and surfactant addition and related metabolic flux redistribution in the recombinant Escherichia coli. <i>Food Science and Biotechnology</i> , 2013 , 22, 207-214	3	10
62	Improved production of the tallysomylin H-1 in Streptoalloteichus hindustanus SB8005 strain by fermentation optimization. <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 1345-53	5.7	10
61	Metabolic engineering of Lactococcus lactis for high level accumulation of glutathione and S-adenosyl-L-methionine. <i>World Journal of Microbiology and Biotechnology</i> , 2019 , 35, 185	4.4	9
60	Reconstitution of the peptidoglycan cytoplasmic precursor biosynthetic pathway in cell-free system and rapid screening of antisense oligonucleotides for Mur enzymes. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 1785-94	5.7	9
59	Efficient expression and purification of recombinant alcohol oxidase in Pichia pastoris. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 693-702	3.1	9
58	Efficient production of soluble human beta-defensin-3 β fusion proteins in Escherichia coli cell-free system. <i>Process Biochemistry</i> , 2007 , 42, 423-428	4.8	9
57	Efficient production of recombinant aldehyde reductase and its application for asymmetric reduction of ethyl 4-chloro-3-oxobutanoate to ethyl (R)-4-chloro-3-hydroxybutanoate. <i>Preparative Biochemistry and Biotechnology</i> , 2005 , 35, 203-15	2.4	9
56	Asymmetric reduction of ethyl 4-chloro-3-oxobutanoate to ethyl (R)-4-chloro-3-hydroxybutanoate with two co-existing, recombinant Escherichia coli strains. <i>Biotechnology Letters</i> , 2005 , 27, 119-25	3	9
55	Functional expression of eukaryotic cytochrome P450s in yeast. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 1050-1065	4.9	9
54	Enhanced fed-batch production of pyrroloquinoline quinine in Methylobacillus sp. CCTCC M2016079 with a two-stage pH control strategy. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 4915-4922 ⁸	5.7	8
53	Construction of a Stable and Temperature-Responsive Yeast Cell Factory for Crocetin Biosynthesis Using CRISPR-Cas9. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 653	5.8	8
52	Construction of an efficient Escherichia coli cell-free system for in vitro expression of several kinds of proteins. <i>Engineering in Life Sciences</i> , 2010 , 10, 333-338	3.4	8

51	Space-flight Mutation of <i>Streptomyces gilvosporeus</i> for Enhancing Natamycin Production. <i>Chinese Journal of Chemical Engineering</i> , 2007 , 15, 720-724	3.2	8
50	Stimulation of avermectin B1a biosynthesis in <i>Streptomyces avermilitis</i> by feeding glucose and propionate. <i>Biotechnology Letters</i> , 1999 , 21, 91-95	3	8
49	Enhanced production of 5-hydroxytryptophan through the regulation of L-tryptophan biosynthetic pathway. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 2481-2488	5.7	7
48	Long-term production of soluble human Fas ligand through immobilization of <i>Dictyostelium discoideum</i> in a fibrous bed bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2009 , 82, 241-8	5.7	7
47	Reconstruction of the UDP-N-acetylglucosamine biosynthetic pathway in cell-free system. <i>Biotechnology Letters</i> , 2010 , 32, 1481-6	3	7
46	Multi-level metabolic engineering of <i>Pseudomonas putabilis</i> ATCC31014 for efficient production of biotin. <i>Metabolic Engineering</i> , 2020 , 61, 406-415	9.7	7
45	Efficient production of S-adenosyl-L-methionine from dl-methionine in metabolic engineered <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2019 , 116, 3312-3323	4.9	6
44	Kinetics and optimization of L-tryptophan separation with ion-exchange chromatography. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 1280-1285	2.8	6
43	Organic chemicals from bioprocesses in China. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2010 , 122, 43-71	1.7	6
42	Iso-migrastatin Titer Improvement in the Engineered <i>Streptomyces lividans</i> SB11002 Strain by Optimization of Fermentation Conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 664-669	3.1	6
41	Improving glutathione extraction from crude yeast extracts by optimizing aqueous two-phase system composition and operation conditions. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 1829-1835	2.8	6
40	Efficient expression and primary purification of 6-his tagged human Fas ligand in <i>Dictyostelium discoideum</i> . <i>Biotechnology Letters</i> , 2007 , 29, 859-63	3	6
39	High-level production of aquaporin Z in <i>Escherichia coli</i> using maltose-binding protein/polyhistidine dual-affinity tag fusion system. <i>Process Biochemistry</i> , 2016 , 51, 599-606	4.8	6
38	Medium optimization for pyrroloquinoline quinone (PQQ) production by <i>Methylobacillus</i> sp. zju323 using response surface methodology and artificial neural network-genetic algorithm. <i>Preparative Biochemistry and Biotechnology</i> , 2017 , 47, 709-719	2.4	5
37	Coagulative biomarkers on admission to the ICU predict acute kidney injury and mortality in patients with septic shock caused by intra-abdominal infection. <i>Infection and Drug Resistance</i> , 2019 , 12, 2755-2764	4.2	5
36	Ion-exchange properties of mildiomycin on HZ110 resin. <i>Korean Journal of Chemical Engineering</i> , 2006 , 23, 991-996	2.8	5
35	Efficient bioreduction of ethyl 4-chloro-3-oxobutanoate to (S)-4-chloro-3-hydrobutanoate by whole cells of <i>Candida magnoliae</i> in water/n-butyl acetate two-phase system. <i>Biotechnology and Bioprocess Engineering</i> , 2006 , 11, 48-53	3.1	5
34	The ion-exchange kinetics of SAM ⁺ /H ⁺ system with JK110 resin. <i>Korean Journal of Chemical Engineering</i> , 2005 , 22, 121-126	2.8	5

33	Efficient biotransformation of vitamin D to 25-hydroxyvitamin D by a newly isolated <i>Bacillus cereus</i> strain. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 765-774	5.7	5
32	A portable CRISPR Cas12a based lateral flow platform for sensitive detection of <i>Staphylococcus aureus</i> with double insurance. <i>Food Control</i> , 2022 , 132, 108485	6.2	5
31	Microfluidic Ruler-Readout and CRISPR Cas12a-Responded Hydrogel-Integrated Paper-Based Analytical Devices (ReaCH-PAD) for Visible Quantitative Point-of-Care Testing of Invasive Fungi. <i>Analytical Chemistry</i> , 2021 ,	7.8	5
30	Efficient chemoenzymatic synthesis of uridine 5Qdiphosphate N-acetylglucosamine and uridine 5Qdiphosphate N-trifluoacetyl glucosamine with three recombinant enzymes. <i>Preparative Biochemistry and Biotechnology</i> , 2017 , 47, 852-859	2.4	4
29	Efficient production of glutathione with multi-pathway engineering in <i>Corynebacterium glutamicum</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 1685-1695	4.2	4
28	Functional expression of <i>Bacillus subtilis</i> xylanase A in an <i>Escherichia coli</i> derived cell-free protein synthesis system and subsequent expression improvement via DNA gel technique. <i>Process Biochemistry</i> , 2012 , 47, 1186-1191	4.8	4
27	Biological Production of Hydrogen from Renewable Resources 2007 , 527-557		4
26	STUDY ON THE EXTRACTION EQUILIBRIUM OF TILMICOSIN BETWEEN THE AQUEOUS AND BUTYL ACETATE PHASES. <i>Chemical Engineering Communications</i> , 2006 , 193, 427-437	2.2	4
25	PCR & Go: A Pre-installed Expression Chassis for Facile Integration of Multi-Gene Biosynthetic Pathways. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 613771	5.8	4
24	Improving the productivity of 19,20-epoxy-cytochalasin Q in <i>Xylaria</i> sp. sof11 with culture condition optimization. <i>Preparative Biochemistry and Biotechnology</i> , 2016 , 46, 461-6	2.4	3
23	High-level soluble expression of one model olfactory receptor (ODR-10) in <i>Escherichia coli</i> cell-free system. <i>World Journal of Microbiology and Biotechnology</i> , 2014 , 30, 893-901	4.4	3
22	Production, purification and cytotoxicity of soluble human Fas ligand expressed by <i>Escherichia coli</i> and <i>Dictyostelium discoideum</i> . <i>Biochemical Engineering Journal</i> , 2012 , 62, 86-91	4.2	3
21	Adsorption behavior of L-tryptophan on ion exchange resin. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 1272-1279	2.8	3
20	Efficient production of uridine 5Qdiphospho-N-acetylglucosamine by the combination of three recombinant enzymes and yeast cells. <i>Preparative Biochemistry and Biotechnology</i> , 2010 , 40, 294-304	2.4	3
19	The biosynthesis and bioactivity evaluation of the cytosine-substituted mildiomycin analogue (MIL-C) for controlling powder mildew. <i>World Journal of Microbiology and Biotechnology</i> , 2010 , 26, 649-654	4.4	3
18	An integrated high throughput strategy to screen mutants of <i>Paenibacillus polymyxa</i> with high polymyxin E-productivity. <i>World Journal of Microbiology and Biotechnology</i> , 2008 , 24, 1885-1891	4.4	3
17	Identification of novel metabolic engineering targets for S-adenosyl-L-methionine production in <i>Saccharomyces cerevisiae</i> via genome-scale engineering. <i>Metabolic Engineering</i> , 2021 , 66, 319-327	9.7	3
16	Random Base Editing for Genome Evolution in. <i>ACS Synthetic Biology</i> , 2021 , 10, 2440-2446	5.7	3

15	Efficient expression of myo-inositol oxygenase in Escherichia coli and application for conversion of myo-inositol to glucuronic acid. <i>Food Science and Biotechnology</i> , 2014 , 23, 445-450	3	2
14	High-level production of soluble adenine nucleotide translocator from Schistosoma japonicum in E. coli cell-free system. <i>Process Biochemistry</i> , 2012 , 47, 395-400	4.8	2
13	High density cultivation of Dictyostelium discoideum in a rotating polyurethane foam-bed bioreactor. <i>World Journal of Microbiology and Biotechnology</i> , 2010 , 26, 1117-1123	4.4	2
12	Efficient Separation of Cytosine-Substituted Mildiomycin Analogue (MIL-C) from the Fermentation Broth by Ion Exchange. <i>Separation Science and Technology</i> , 2008 , 43, 1459-1473	2.5	2
11	Preliminary study on preparation of E. coli cell-free system for protein expression. <i>Frontiers of Chemical Engineering in China</i> , 2008 , 2, 224-229		2
10	Novel approach for the evolution of pyrroloquinoline quinone glucose dehydrogenase by multiplex-site in situ engineering. <i>Process Biochemistry</i> , 2016 , 51, 2011-2016	4.8	2
9	High-level cell-free expression and functional characterization of a novel aquaporin from Photobacterium profundum SS9. <i>Process Biochemistry</i> , 2017 , 59, 172-179	4.8	1
8	Efficient soluble expression of two copies of EMP1 connected in series in Escherichia coli, with enhanced EPO activity. <i>Process Biochemistry</i> , 2015 , 50, 689-695	4.8	1
7	Enzymatic preparation and identification of 5?-adenosyl-methylthiopropylamine for the impurity control in SAM fermentation. <i>Process Biochemistry</i> , 2019 , 87, 105-111	4.8	1
6	Cell-Free Expression of Unnatural Amino Acid Incorporated Aquaporin SS9 with Improved Separation Performance in Biomimetic Membranes. <i>BioMed Research International</i> , 2018 , 2018, 3560894 ³		1
5	Efficient Soluble Expression and Purification of Recombinant Human Acidic Fibroblast Growth Factor from Escherichia coli via Fusion with a Novel Collagen-like Protein Scl2. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 191, 1562-1579	3.2	0
4	Highly efficient soluble expression and purification of recombinant human basic fibroblast growth factor (hbFGF) by fusion with a new collagen-like protein (Scl2) in. <i>Preparative Biochemistry and Biotechnology</i> , 2020 , 50, 598-606	2.4	0
3	Cloning and expression of the HIV protein in Escherichia coli cell-free system. <i>Applied Microbiology and Biotechnology</i> , 2007 , 77, 347-54	5.7	0
2	Cloning and characterization of a panel of mitochondrial targeting sequences for compartmentalization engineering in Saccharomyces cerevisiae. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 4269-4277	4.9	0
1	Efficient poly(L-malic acid) production from cassava hydrolysate by cell recycle of Aureobasidium pullulans.. <i>Applied Microbiology and Biotechnology</i> , 2022 , 106, 2855	5.7	0