Zhinan Xu

List of Publications by Year in Descending Order

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	A portable CRISPR Cas12a based lateral flow platform for sensitive detection of Staphylococcus aureus with double insurance. *Food Control*, **2022**, 132, 108485	6.2	5
139	Efficient poly(L-malic acid) production from cassava hydrolysate by cell recycle of Aureobasidium pullulans.. *Applied Microbiology and Biotechnology*, **2022**, 106, 2855	5.7	0
138	Cloning and characterization of a panel of mitochondrial targeting sequences for compartmentalization engineering in Saccharomyces cerevisiae. *Biotechnology and Bioengineering*, **2021**, 118, 4269-4277	4.9	0
137	Identification of novel metabolic engineering targets for S-adenosyl-L-methionine production in Saccharomyces cerevisiae via genome-scale engineering. *Metabolic Engineering*, **2021**, 66, 319-327	9.7	3
136	Functional expression of eukaryotic cytochrome P450s in yeast. *Biotechnology and Bioengineering*, **2021**, 118, 1050-1065	4.9	9
135	A CRISPR-Cas12a-derived biosensor enabling portable personal glucose meter readout for quantitative detection of SARS-CoV-2. *Biotechnology and Bioengineering*, **2021**, 118, 1587-1596	4.9	18
134	Random Base Editing for Genome Evolution in. *ACS Synthetic Biology*, **2021**, 10, 2440-2446	5.7	3
133	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. *Analytical Chemistry*, **2021**,	7.8	5
132	Construction of a Stable and Temperature-Responsive Yeast Cell Factory for Crocetin Biosynthesis Using CRISPR-Cas9. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 653	5.8	8
131	Efficient Soluble Expression and Purification of Recombinant Human Acidic Fibroblast Growth Factor from Escherichia coli via Fusion with a Novel Collagen-like Protein Scl2. *Applied Biochemistry and Biotechnology*, **2020**, 191, 1562-1579	3.2	0
130	Enhanced production of 5-hydroxytryptophan through the regulation of L-tryptophan biosynthetic pathway. *Applied Microbiology and Biotechnology*, **2020**, 104, 2481-2488	5.7	7
129	Highly efficient soluble expression and purification of recombinant human basic fibroblast growth factor (hbFGF) by fusion with a new collagen-like protein (Scl2) in. *Preparative Biochemistry and Biotechnology*, **2020**, 50, 598-606	2.4	0
128	Efficient biotransformation of vitamin D to 25-hydroxyvitamin D by a newly isolated Bacillus cereus strain. *Applied Microbiology and Biotechnology*, **2020**, 104, 765-774	5.7	5
127	CRISPR-Cas12a-Assisted Multicolor Biosensor for Semiquantitative Point-of-Use Testing of the Nopaline Synthase Terminator in Genetically Modified Crops by Unaided Eyes. *ACS Synthetic Biology* , **2020**, 9, 3114-3123	5.7	15
126	A Single Cas9-VPR Nuclease for Simultaneous Gene Activation, Repression, and Editing in. *ACS Synthetic Biology*, **2020**, 9, 2252-2257	5.7	11
125	Multi-level metabolic engineering of Pseudomonas mutabilis ATCC31014 for efficient production of biotin. *Metabolic Engineering*, **2020**, 61, 406-415	9.7	7
124	PCR & Go: A Pre-installed Expression Chassis for Facile Integration of Multi-Gene Biosynthetic Pathways. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 613771	5.8	4

123	Coagulative biomarkers on admission to the ICU predict acute kidney injury and mortality in patients with septic shock caused by intra-abdominal infection. *Infection and Drug Resistance*, **2019**, 12, 2755-2764	4.2	5
122	Combined genome editing and transcriptional repression for metabolic pathway engineering in Corynebacterium glutamicum using a catalytically active Cas12a. *Applied Microbiology and Biotechnology*, **2019**, 103, 8911-8922	5.7	16
121	Construction of a series of episomal plasmids and their application in the development of an efficient CRISPR/Cas9 system in Pichia pastoris. *World Journal of Microbiology and Biotechnology*, **2019**, 35, 79	4.4	14
120	Efficient production of glutathione with multi-pathway engineering in Corynebacterium glutamicum. *Journal of Industrial Microbiology and Biotechnology*, **2019**, 46, 1685-1695	4.2	4
119	Efficient production of S-adenosyl-l-methionine from dl-methionine in metabolic engineered Saccharomyces cerevisiae. *Biotechnology and Bioengineering*, **2019**, 116, 3312-3323	4.9	6
118	Metabolic engineering of Lactococcus lactis for high level accumulation of glutathione and S-adenosyl-L-methionine. *World Journal of Microbiology and Biotechnology*, **2019**, 35, 185	4.4	9
117	Enzymatic preparation and identification of 5?-adenosyl-methylthiopropylamine for the impurity control in SAM fermentation. *Process Biochemistry*, **2019**, 87, 105-111	4.8	1
116	Cell-free protein synthesis enabled rapid prototyping for metabolic engineering and synthetic biology. *Synthetic and Systems Biotechnology*, **2018**, 3, 90-96	4.2	25
115	Metabolic pathway engineering for high-level production of 5-hydroxytryptophan in Escherichia coli. *Metabolic Engineering*, **2018**, 48, 279-287	9.7	21
114	Cell-Free Expression of Unnatural Amino Acid Incorporated Aquaporin SS9 with Improved Separation Performance in Biomimetic Membranes. *BioMed Research International*, **2018**, 2018, 3560894	3	1
113	Efficient chemoenzymatic synthesis of uridine 5Q-diphosphate N-acetylglucosamine and uridine 5Q-diphosphate N-trifluoacetyl glucosamine with three recombinant enzymes. *Preparative Biochemistry and Biotechnology*, **2017**, 47, 852-859	2.4	4
112	Medium optimization for pyrroloquinoline quinone (PQQ) production by Methylobacillus sp. zju323 using response surface methodology and artificial neural network-genetic algorithm. *Preparative Biochemistry and Biotechnology*, **2017**, 47, 709-719	2.4	5
111	High-level cell-free expression and functional characterization of a novel aquaporin from Photobactetrium profundum SS9. *Process Biochemistry*, **2017**, 59, 172-179	4.8	1
110	Enhanced fed-batch production of pyrroloquinoline quinine in Methylobacillus sp. CCTCC M2016079 with a two-stage pH control strategy. *Applied Microbiology and Biotechnology*, **2017**, 101, 4915-4922	5.7	8
109	Improving the productivity of S-adenosyl-l-methionine by metabolic engineering in an industrial Saccharomyces cerevisiae strain. *Journal of Biotechnology*, **2016**, 236, 64-70	3.7	14
108	Novel and efficient screening of PQQ high-yielding strains and subsequent cultivation optimization. *Applied Microbiology and Biotechnology*, **2016**, 100, 10321-10330	5.7	12
107	Efficient Production of Hydroxylated Human-Like Collagen Via the Co-Expression of Three Key Genes in Escherichia coli Origami (DE3). *Applied Biochemistry and Biotechnology*, **2016**, 178, 1458-70	3.2	23
106	Improving the productivity of 19,20-epoxy-cytochalasin Q in Xylaria sp. sof11 with culture condition optimization. *Preparative Biochemistry and Biotechnology*, **2016**, 46, 461-6	2.4	3

105	The Improvement of SAM Accumulation by Integrating the Endogenous Methionine Adenosyltransferase Gene SAM2 in Genome of the Industrial Saccharomyces cerevisiae Strain. *Applied Biochemistry and Biotechnology*, **2016**, 178, 1263-72	3.2	20
104	High-level production of aquaporin Z in Escherichia coli using maltose-binding protein/polyhistidine dual-affinity tag fusion system. *Process Biochemistry*, **2016**, 51, 599-606	4.8	6
103	Novel approach for the evolution of pyrroloquinoline quinone glucose dehydrogenase by multiplex-site in situ engineering. *Process Biochemistry*, **2016**, 51, 2011-2016	4.8	2
102	Efficient soluble expression of two copies of EMP1 connected in series in Escherichia coli, with enhanced EPO activity. *Process Biochemistry*, **2015**, 50, 689-695	4.8	1
101	Fabrication of an aquaporin-based forward osmosis membrane through covalent bonding of a lipid bilayer to a microporous support. *Journal of Materials Chemistry A*, **2015**, 3, 20118-20126	13	78
100	Expression, characterization and mutagenesis of an FAD-dependent glucose dehydrogenase from Aspergillus terreus. *Enzyme and Microbial Technology*, **2015**, 68, 43-9	3.8	11
99	Bio-Inspired Aquaporinz Containing Double-Skinned Forward Osmosis Membrane Synthesized through Layer-by-Layer Assembly. *Membranes*, **2015**, 5, 369-84	3.8	30
98	Engineering of global regulator cAMP receptor protein (CRP) in Escherichia coli for improved lycopene production. *Journal of Biotechnology*, **2015**, 199, 55-61	3.7	18
97	Preparation, characterization, and flocculation performance of P(acrylamide-co-diallyldimethylammonium chloride) by UV-initiated template polymerization. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	11
96	High-level soluble expression of one model olfactory receptor (ODR-10) in Escherichia coli cell-free system. *World Journal of Microbiology and Biotechnology*, **2014**, 30, 893-901	4.4	3
95	A novel approach for poly-γ-glutamic acid production using xylose and corncob fibres hydrolysate in Bacillus subtillis HB-1. *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 616-622	3.5	27
94	Reconstitution of the peptidoglycan cytoplasmic precursor biosynthetic pathway in cell-free system and rapid screening of antisense oligonucleotides for Mur enzymes. *Applied Microbiology and Biotechnology*, **2014**, 98, 1785-94	5.7	9
93	Efficient expression of myo-inositol oxygenase in Escherichia coli and application for conversion of myo-inositol to glucuronic acid. *Food Science and Biotechnology*, **2014**, 23, 445-450	3	2
92	Enhanced functional expression of aquaporin Z via fusion of in situ cleavable leader peptides in Escherichia coli cell-free system. *Enzyme and Microbial Technology*, **2014**, 55, 26-30	3.8	14
91	Long-term production of butyric acid through immobilization of Clostridium tyrobutyricum in a moving fibrous-bed bioreactor (MFBB). *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 1883-1889	3.5	13
90	Identification and characterization of a new erythromycin biosynthetic gene cluster in Actinopolyspora erythraea YIM90600, a novel erythronolide-producing halophilic actinomycete isolated from salt field. *PLoS ONE*, **2014**, 9, e108129	3.7	13
89	Efficient expression, purification, and characterization of a novel FAD-dependent glucose dehydrogenase from Aspergillus terreus in Pichia pastoris. *Journal of Microbiology and Biotechnology*, **2014**, 24, 1516-24	3.3	14
88	The main byproducts and metabolic flux profiling of γ-PGA-producing strain B. subtilis ZJU-7 under different pH values. *Journal of Biotechnology*, **2013**, 164, 67-74	3.7	23

87	Enhanced production of l-tryptophan with glucose feeding and surfactant addition and related metabolic flux redistribution in the recombinant Escherichia coli. *Food Science and Biotechnology*, **2013**, 22, 207-214	3	10
86	FK506 maturation involves a cytochrome p450 protein-catalyzed four-electron C-9 oxidation in parallel with a C-31 O-methylation. *Journal of Bacteriology*, **2013**, 195, 1931-9	3.5	17
85	Production, purification and cytotoxity of soluble human Fas ligand expressed by Escherichia coli and Dictyostelium discoideum. *Biochemical Engineering Journal*, **2012**, 62, 86-91	4.2	3
84	High-level production of soluble adenine nucleotide translocator from Schistosoma japonicum in E. coli cell-free system. *Process Biochemistry*, **2012**, 47, 395-400	4.8	2
83	Functional expression of Bacillus subtilis xylanase A in an Escherichia coli derived cell-free protein synthesis system and subsequent expression improvement via DNA gel technique. *Process Biochemistry*, **2012**, 47, 1186-1191	4.8	4
82	Refolding and two-step purification by hydrophobic interaction chromatography of recombinant human bone morphogenetic protein-2 from Escherichia coli. *Process Biochemistry*, **2012**, 47, 960-967	4.8	13
81	Improvement of FK506 production in Streptomyces tsukubaensis by genetic enhancement of the supply of unusual polyketide extender units via utilization of two distinct site-specific recombination systems. *Applied and Environmental Microbiology*, **2012**, 78, 5093-103	4.8	49
80	High-level exogenous glutamic acid-independent production of poly-(Eglutamic acid) with organic acid addition in a new isolated Bacillus subtilis C10. *Bioresource Technology*, **2012**, 116, 241-6	11	47
79	Efficient production of l-lactic acid from hydrolysate of Jerusalem artichoke with immobilized cells of Lactococcus lactis in fibrous bed bioreactors. *Enzyme and Microbial Technology*, **2012**, 51, 263-8	3.8	33
78	Recent advances in inkjet dispensing technologies: applications in drug discovery. *Expert Opinion on Drug Discovery*, **2012**, 7, 761-70	6.2	12
77	Efficient expression and purification of recombinant alcohol oxidase in Pichia pastoris. *Biotechnology and Bioprocess Engineering*, **2012**, 17, 693-702	3.1	9
76	Toxic effects of acrylic acid on Clostridium propionicumand isolation of acrylic acid-tolerant mutants for production of acrylic acid. *Engineering in Life Sciences*, **2012**, 12, 567-573	3.4	10
75	High-level production of soluble pyrroloquinoline quinone-dependent glucose dehydrogenase inEscherichia coli. *Engineering in Life Sciences*, **2012**, 12, 574-582	3.4	10
74	High yield and cost-effective production of poly(Eglutamic acid) with Bacillus subtilis. *Engineering in Life Sciences*, **2011**, 11, 291-297	3.4	38
73	Electrochemical analysis of Clostridium propionicum and its acrylic acid production in microbial fuel cells. *Engineering in Life Sciences*, **2011**, 11, 238-244	3.4	11
72	Titer improvement of iso-migrastatin in selected heterologous Streptomyces hosts and related analysis of mRNA expression by quantitative RT-PCR. *Applied Microbiology and Biotechnology*, **2011**, 89, 1709-19	5.7	21
71	High-level production of poly (EL: -malic acid) with a new isolated Aureobasidium pullulans strain. *Applied Microbiology and Biotechnology*, **2011**, 92, 295-303	5.7	57
70	Control and optimization of Clostridium tyrobutyricum ATCC 25755 adhesion into fibrous matrix in a fibrous bed bioreactor. *Applied Biochemistry and Biotechnology*, **2011**, 165, 98-108	3.2	21

69	Kinetics and optimization of L-tryptophan separation with ion-exchange chromatography. *Korean Journal of Chemical Engineering*, **2011**, 28, 1280-1285	2.8	6
68	Adsorption behavior of L-tryptophan on ion exchange resin. *Korean Journal of Chemical Engineering* , **2011**, 28, 1272-1279	2.8	3
67	Effects of three main sugars in cane molasses on the production of butyric acid with Clostridium tyrobutyricum. *Korean Journal of Chemical Engineering*, **2011**, 28, 2312-2315	2.8	13
66	Enhanced butyric acid tolerance and bioproduction by Clostridium tyrobutyricum immobilized in a fibrous bed bioreactor. *Biotechnology and Bioengineering*, **2011**, 108, 31-40	4.9	113
65	Efficient production of butyric acid from Jerusalem artichoke by immobilized Clostridium tyrobutyricum in a fibrous-bed bioreactor. *Bioresource Technology*, **2011**, 102, 3923-6	11	84
64	Application of inkjet printing technique for biological material delivery and antimicrobial assays. *Analytical Biochemistry*, **2011**, 410, 171-6	3.1	49
63	Characterization of NocL involved in thiopeptide nocathiacin I biosynthesis: a [4Fe-4S] cluster and the catalysis of a radical S-adenosylmethionine enzyme. *Journal of Biological Chemistry*, **2011**, 286, 21287-94	5.4	33
62	Preparative scale production of functional mouse aquaporin 4 using different cell-free expression modes. *PLoS ONE*, **2010**, 5, e12972	3.7	39
61	Organic chemicals from bioprocesses in China. *Advances in Biochemical Engineering/Biotechnology*, **2010**, 122, 43-71	1.7	6
60	Efficient production of uridine 5′-diphospho-N-acetylglucosamine by the combination of three recombinant enzymes and yeast cells. *Preparative Biochemistry and Biotechnology*, **2010**, 40, 294-304	2.4	3
59	Efficient expression of aquaporin Z in Escherichia coli cell-free system using different fusion vectors. *Protein and Peptide Letters*, **2010**, 17, 181-5	1.9	19
58	Functional characterization of tlmH in Streptoalloteichus hindustanus E465-94 ATCC 31158 unveiling new insight into tallysomycin biosynthesis and affording a novel bleomycin analog. *Molecular BioSystems*, **2010**, 6, 349-56		14
57	Phosphoenolpyruvate-dependent phosphorylation of sucrose by Clostridium tyrobutyricum ZJU 8235: evidence for the phosphotransferase transport system. *Bioresource Technology*, **2010**, 101, 304-9	11	18
56	Construction of an efficient Escherichia coli cell-free system for in vitro expression of several kinds of proteins. *Engineering in Life Sciences*, **2010**, 10, 333-338	3.4	8
55	Improved production of the tallysomycin H-1 in Streptoalloteichus hindustanus SB8005 strain by fermentation optimization. *Applied Microbiology and Biotechnology*, **2010**, 86, 1345-53	5.7	10
54	High-level soluble expression of hIGF-1 fusion protein in recombinant Escherichia coli. *Process Biochemistry*, **2010**, 45, 1401-1405	4.8	11
53	Iso-migrastatin Titer Improvement in the Engineered Streptomyces lividans SB11002 Strain by Optimization of Fermentation Conditions. *Biotechnology and Bioprocess Engineering*, **2010**, 15, 664-669	3.1	6
52	High-throughput screening of high-yield colonies of Rhizopus oryzae for enhanced production of fumaric acid. *Annals of Microbiology*, **2010**, 60, 287-292	3.2	32

51	Production of butyric acid from glucose and xylose with immobilized cells of Clostridium tyrobutyricum in a fibrous-bed bioreactor. *Applied Biochemistry and Biotechnology*, **2010**, 160, 350-9	3.2	58
50	Effects of cultivation conditions on the production of gamma-PGA with Bacillus subtilis ZJU-7. *Applied Biochemistry and Biotechnology*, **2010**, 160, 370-7	3.2	17
49	Improving glutathione extraction from crude yeast extracts by optimizing aqueous two-phase system composition and operation conditions. *Korean Journal of Chemical Engineering*, **2010**, 27, 1829-1835	2.8	6
48	Reconstruction of the UDP-N-acetylglucosamine biosynthetic pathway in cell-free system. *Biotechnology Letters*, **2010**, 32, 1481-6	3	7
47	The biosynthesis and bioactivity evaluation of the cytosine-substituted mildiomycin analogue (MIL-C) for controlling powder mildew. *World Journal of Microbiology and Biotechnology*, **2010**, 26, 649-655	4.4	3
46	High density cultivation of Dictyostelium discoideum in a rotating polyurethane foam-bed bioreactor. *World Journal of Microbiology and Biotechnology*, **2010**, 26, 1117-1123	4.4	2
45	Efficient Separation of Butyric Acid by an Aqueous Two-phase System with Calcium Chloride. *Chinese Journal of Chemical Engineering*, **2010**, 18, 533-537	3.2	21
44	Generation of high rapamycin producing strain via rational metabolic pathway-based mutagenesis and further titer improvement with fed-batch bioprocess optimization. *Biotechnology and Bioengineering*, **2010**, 107, 506-15	4.9	41
43	Long-term production of soluble human Fas ligand through immobilization of Dictyostelium discoideum in a fibrous bed bioreactor. *Applied Microbiology and Biotechnology*, **2009**, 82, 241-8	5.7	7
42	Improving aquaporin Z expression in Escherichia coli by fusion partners and subsequent condition optimization. *Applied Microbiology and Biotechnology*, **2009**, 82, 463-70	5.7	37
41	Generation of high-yield rapamycin-producing strains through protoplasts-related techniques. *Applied Microbiology and Biotechnology*, **2009**, 83, 507-12	5.7	34
40	High-level expression of soluble subunit b of F1F0 ATP synthase in Escherichia coli cell-free system. *Applied Microbiology and Biotechnology*, **2009**, 85, 303-11	5.7	11
39	Butyric acid fermentation in a fibrous bed bioreactor with immobilized Clostridium tyrobutyricum from cane molasses. *Bioresource Technology*, **2009**, 100, 3403-9	11	157
38	Engineered production of iso-migrastatin in heterologous Streptomyces hosts. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 2147-53	3.4	49
37	Efficient Separation of Cytosine-Substituted Mildiomycin Analogue (MIL-C) from the Fermentation Broth by Ion Exchange. *Separation Science and Technology*, **2008**, 43, 1459-1473	2.5	2
36	Efficient expression of membrane-bound water channel protein (Aquaporin Z) in Escherichia coli. *Protein and Peptide Letters*, **2008**, 15, 687-91	1.9	15
35	An integrated high throughput strategy to screen mutants of Paenibacillus polymyxa with high polymyxin E-productivity. *World Journal of Microbiology and Biotechnology*, **2008**, 24, 1885-1891	4.4	3
34	Preliminary study on preparation of E. coli cell-free system for protein expression. *Frontiers of Chemical Engineering in China*, **2008**, 2, 224-229		2

33	Effects of cultivation conditions on the production of natamycin with Streptomyces gilvosporeus LK-196. *Enzyme and Microbial Technology*, **2008**, 42, 145-50	3.8	34
32	Biological Production of Hydrogen from Renewable Resources **2007**, 527-557		4
31	Efficient production of soluble human beta-defensin-3 fusion proteins in Escherichia coli cell-free system. *Process Biochemistry*, **2007**, 42, 423-428	4.8	9
30	Space-flight Mutation of Streptomyces gilvosporeus for Enhancing Natamycin Production. *Chinese Journal of Chemical Engineering*, **2007**, 15, 720-724	3.2	8
29	Cloning and expression of the HIV protein in Escherichia coli cell-free system. *Applied Microbiology and Biotechnology*, **2007**, 77, 347-54	5.7	0
28	Efficient expression and primary purification of 6-his tagged human Fas ligand in Dictyostelium discoideum. *Biotechnology Letters*, **2007**, 29, 859-63	3	6
27	Enhanced expression and primary purification of soluble HBD3 fusion protein in Escherichia coli. *Applied Biochemistry and Biotechnology*, **2007**, 142, 139-47	3.2	12
26	Microbial production of natural poly amino acid. *Science in China Series B: Chemistry*, **2007**, 50, 291-303		18
25	Functional expression and purification of bovine enterokinase light chain in recombinant Escherichia coli. *Preparative Biochemistry and Biotechnology*, **2007**, 37, 205-17	2.4	11
24	High-level expression of recombinant glucose dehydrogenase and its application in NADPH regeneration. *Journal of Industrial Microbiology and Biotechnology*, **2007**, 34, 83-90	4.2	41
23	Construction of a two-strain system for asymmetric reduction of ethyl 4-chloro-3-oxobutanoate to (S)-4-chloro-3-hydroxybutanoate ethyl ester. *Applied Microbiology and Biotechnology*, **2006**, 70, 40-6	5.7	13
22	Tandem repeat mhBD2 gene enhance the soluble fusion expression of hBD2 in Escherichia coli. *Applied Microbiology and Biotechnology*, **2006**, 71, 661-7	5.7	24
21	High-level production of bioactive human beta-defensin-4 in Escherichia coli by soluble fusion expression. *Applied Microbiology and Biotechnology*, **2006**, 72, 471-9	5.7	52
20	Ion-exchange properties of mildiomycin on HZ110 resin. *Korean Journal of Chemical Engineering*, **2006**, 23, 991-996	2.8	5
19	Efficient bioreduction of ethyl 4-chloro-3-oxobutanoate to (S)-4-chloro-3-hydrobutanoate by whole cells ofCandida magnoliae in water/n-butyl acetate two-phase system. *Biotechnology and Bioprocess Engineering*, **2006**, 11, 48-53	3.1	5
18	Optimization of polyglutamic acid production byBacillus subtilis ZJU-7 using a surface-response methodology. *Biotechnology and Bioprocess Engineering*, **2006**, 11, 251-257	3.1	44
17	High-level expression of human beta-defensin-2 gene with rare codons in E. coli cell-free system. *Protein and Peptide Letters*, **2006**, 13, 155-62	1.9	17
16	STUDY ON THE EXTRACTION EQUILIBRIUM OF TILMICOSIN BETWEEN THE AQUEOUS AND BUTYL ACETATE PHASES. *Chemical Engineering Communications*, **2006**, 193, 427-437	2.2	4

15	Recent advances in the research and development of human defensins. *Peptides*, **2006**, 27, 931-40	3.8	107
14	High-level expression of a soluble functional antimicrobial peptide, human beta-defensin 2, in Escherichia coli. *Biotechnology Progress*, **2006**, 22, 382-6	2.8	29
13	Efficient production of poly-gamma-glutamic acid by Bacillus subtilis ZJU-7. *Applied Biochemistry and Biotechnology*, **2006**, 133, 271-82	3.2	28
12	Production of bioactive human beta-defensin-3 in Escherichia coli by soluble fusion expression. *Biotechnology Letters*, **2006**, 28, 627-32	3	26
11	Efficient production of a soluble fusion protein containing human beta-defensin-2 in E. coli cell-free system. *Journal of Biotechnology*, **2005**, 115, 307-15	3.7	47
10	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. *Preparative Biochemistry and Biotechnology*, **2005**, 35, 203-15	2.4	9
9	Expression of human beta-defensin-2 with multiple joined genes in Escherichia coli. *Applied Biochemistry and Biotechnology*, **2005**, 120, 1-13	3.2	13
8	High-level expression of soluble human beta-defensin-2 fused with green fluorescent protein in Escherichia coli cell-free system. *Applied Biochemistry and Biotechnology*, **2005**, 127, 53-62	3.2	30
7	Asymmetric reduction of ethyl 4-chloro-3-oxobutanoate to ethyl (R)-4-chloro-3-hydroxybutanoate with two co-existing, recombinant Escherichia coli strains. *Biotechnology Letters*, **2005**, 27, 119-25	3	9
6	The ion-exchange kinetics of SAM+/H+ system with JK110 resin. *Korean Journal of Chemical Engineering*, **2005**, 22, 121-126	2.8	5
5	High-level expression of soluble human □defensin-2 in Escherichia coli. *Process Biochemistry*, **2004**, 39, 2199-2205	4.8	41
4	Fusion expression of human beta-defensin-2 from multiple joined genes in Escherichia coli. *Preparative Biochemistry and Biotechnology*, **2004**, 34, 215-25	2.4	21
3	Preferential codons enhancing the expression level of human beta-defensin-2 in recombinant Escherichia coli. *Protein and Peptide Letters*, **2004**, 11, 339-44	1.9	39
2	Cloning and expression of human beta-defensin-2 gene in Escherichia coli. *Protein and Peptide Letters*, **2002**, 9, 31-7	1.9	28
1	Stimulation of avermectin B1a biosynthesis in Streptomyces avermilitis by feeding glucose and propionate. *Biotechnology Letters*, **1999**, 21, 91-95	3	8