Shang-Tian Yang

List of Publications by Year
in descending order

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301 papers	14,042 citations	16791 66 h-index	42259 96 g-index
337 all docs	337 docs citations	337 times ranked	11448 citing authors

#	Article	IF	Citations
1	Effects of orphan histidine kinases on clostridial sporulation progression and metabolism. Biotechnology and Bioengineering, 2022, 119, 226-235.	1.7	6
2	Consolidated bioprocessing for ethanol and butanol production from lignocellulosic biomass: Recent advances in strain and process engineering. , 2022, , 473-506.		2
3	Electricity-enhanced anaerobic, non-photosynthetic mixotrophy by Clostridium carboxidivorans with increased carbon efficiency and alcohol production. Energy Conversion and Management, 2022, 252, 115118.	4.4	15
4	Twoâ€color fluorescent proteins reporting survivin regulation in breast cancer cells for high throughput drug screening. Biotechnology and Bioengineering, 2022, 119, 1004-1017.	1.7	4
5	Regulator RcsB Controls Prodigiosin Synthesis and Various Cellular Processes in Serratia marcescens JNB5-1. Applied and Environmental Microbiology, 2021, 87, .	1.4	13
6	Effects of benzyl viologen on increasing NADH availability, acetate assimilation, and butyric acid production by Clostridium tyrobutyricum. Biotechnology and Bioengineering, 2021, 118, 770-783.	1.7	14
7	Sustainable production and biomedical application of polymalic acid from renewable biomass and food processing wastes. Critical Reviews in Biotechnology, 2021, 41, 216-228.	5.1	15
8	Benchâ€scale fermentation for second generation ethanol and hydrogen production by <scp>Clostridium thermocellum DSMZ</scp> 1313 from sugarcane bagasse. Environmental Progress and Sustainable Energy, 2021, 40, e13516.	1.3	7
9	Inside Front Cover Image, Volume 118, Number 2, February 2021. Biotechnology and Bioengineering, 2021, 118, ii.	1.7	0
10	A Novel Inulin-Mediated Ethanol Precipitation Method for Separating Endo-Inulinase From Inulinases for Inulooligosaccharides Production From Inulin. Frontiers in Bioengineering and Biotechnology, 2021, 9, 679720.	2.0	4
11	Comparative transcriptome analysis reveals metabolic regulation of prodigiosin in Serratia marcescens. Systems Microbiology and Biomanufacturing, 2021, 1, 323-335.	1.5	4
12	Engineering Clostridium cellulovorans for highly selective nâ€butanol production from cellulose in consolidated bioprocessing. Biotechnology and Bioengineering, 2021, 118, 2703-2718.	1.7	15
13	Engineering the 2,3-BD pathway in Bacillus subtilis by shifting the carbon flux in favor of 2,3-BD synthesis. Biochemical Engineering Journal, 2021, 169, 107969.	1.8	5
14	Butanol production from Saccharina japonica hydrolysate by engineered Clostridium tyrobutyricum: The effects of pretreatment method and heat shock protein overexpression. Bioresource Technology, 2021, 335, 125290.	4.8	19
15	Characterization of fermented soymilk by Schleiferilactobacillus harbinensis M1, based on the whole-genome sequence and corresponding phenotypes. LWT - Food Science and Technology, 2021, 144, 111237.	2.5	8
16	Enhanced Prodigiosin Production in Serratia marcescens JNB5-1 by Introduction of a Polynucleotide Fragment into the pigN 3â€² Untranslated Region and Disulfide Bonds into O -Methyl Transferase (PigF). Applied and Environmental Microbiology, 2021, 87, e0054321.	1.4	4
17	Optimization and comparison of the production of galactooligosaccharides using free or immobilized Aspergillus oryzae Î²-galactosidase, followed by purification using silica gel. Food Chemistry, 2021, 362, 130195.	4.2	8
18	Energy-efficient butanol production by Clostridium acetobutylicum with histidine kinase knockouts to improve strain tolerance and process robustness. Green Chemistry, 2021, 23, 2155-2168.	4.6	42

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19	A Potential Probiotic for Diarrhea: Clostridium tyrobutyricum Protects Against LPS-Induced Epithelial Dysfunction via IL-22 Produced By Th17 Cells in the Ileum. Frontiers in Immunology, 2021, 12, 758227.	2.2	5
20	Editorial: Development and Application of Clostridia as Microbial Cell-Factories for Biofuels and Biochemicals Production. Frontiers in Bioengineering and Biotechnology, 2021, 9, 831135.	2.0	1
21	Engineered disulfide bonds improve thermostability and activity of Lâ€isoleucine hydroxylase for efficient 4â€HIL production in Bacillus subtilis 168. Engineering in Life Sciences, 2020, 20, 7-16.	2.0	10
22	Intracellular metabolism analysis of Clostridium cellulovorans via modeling integrating proteomics, metabolomics and fermentation. Process Biochemistry, 2020, 89, 9-19.	1.8	7
23	Acetone, butanol, and ethanol production from puerariae slag hydrolysate through ultrasound-assisted dilute acid by Clostridium beijerinckii YBS3. Bioresource Technology, 2020, 316, 123899.	4.8	6
24	Recent advances in n-butanol and butyrate production using engineered Clostridium tyrobutyricum. World Journal of Microbiology and Biotechnology, 2020, 36, 138.	1.7	43
25	Comparative transcriptome analysis of Clostridium tyrobutyricum expressing a heterologous uptake hydrogenase. Science of the Total Environment, 2020, 749, 142022.	3.9	12
26	A novel Î²-galactosidase from Klebsiella oxytoca ZJUH1705 for efficient production of galacto-oligosaccharides from lactose. Applied Microbiology and Biotechnology, 2020, 104, 6161-6172.	1.7	24
27	Improved Prodigiosin Production by Relieving CpxR Temperature-Sensitive Inhibition. Frontiers in Bioengineering and Biotechnology, 2020, 8, 344.	2.0	20
28	High-Performance n-Butanol Recovery from Aqueous Solution by Pervaporation with a PDMS Mixed Matrix Membrane Filled with Zeolite. Industrial & Engineering Chemistry Research, 2020, 59, 7777-7786.	1.8	34
29	LysR-Type Transcriptional Regulator MetR Controls Prodigiosin Production, Methionine Biosynthesis, Cell Motility, H ₂ O ₂ Tolerance, Heat Tolerance, and Exopolysaccharide Synthesis in Serratia marcescens. Applied and Environmental Microbiology, 2020, 86, .	1.4	31
30	Production of n-butanol from cassava bagasse hydrolysate by engineered Clostridium tyrobutyricum overexpressing adhE2: Kinetics and cost analysis. Bioresource Technology, 2019, 292, 121969.	4.8	40
31	Potential of hydrogen production from sugarcane juice by Ethanoligenens harbinense Yuan-3. Journal of Cleaner Production, 2019, 237, 117552.	4.6	18
32	n-Butanol production from lignocellulosic biomass hydrolysates without detoxification by Clostridium tyrobutyricum Î”ack-adhE2 in a fibrous-bed bioreactor. Bioresource Technology, 2019, 289, 121749.	4.8	52
33	Development of a dual fluorescence system for simultaneous detection of two cell populations in a 3D coculture. Process Biochemistry, 2019, 86, 144-150.	1.8	1
34	Development of an in vivo fluorescence based gene expression reporter system for Clostridium tyrobutyricum. Journal of Biotechnology, 2019, 305, 18-22.	1.9	12
35	Asp305Gly mutation improved the activity and stability of the styrene monooxygenase for efficient epoxide production in Pseudomonas putida KT2440. Microbial Cell Factories, 2019, 18, 12.	1.9	14
36	Design of a highâ€efficiency synthetic system for <scp>l</scp>â€asparaginase production in Bacillus subtilis. Engineering in Life Sciences, 2019, 19, 229-239.	2.0	10

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37	Engineering Clostridium for improved solvent production: recent progress and perspective. Applied Microbiology and Biotechnology, 2019, 103, 5549-5566.	1.7	67
38	Development of a shuttle plasmid without host restriction sites for efficient transformation and heterologous gene expression in Clostridium cellulovorans. Applied Microbiology and Biotechnology, 2019, 103, 5391-5400.	1.7	6
39	A Dual Fluorescent 3-D Multicellular Coculture of Breast Cancer MCF-7 and Fibroblast NIH-3T3 Cells for High Throughput Cancer Drug Screening. Biochemical Engineering Journal, 2019, 148, 152-161.	1.8	11
40	Designing of a Cofactor Self-Sufficient Whole-Cell Biocatalyst System for Production of 1,2-Amino Alcohols from Epoxides. ACS Synthetic Biology, 2019, 8, 734-743.	1.9	34
41	Proteomics insight into the production of monoclonal antibody. Biochemical Engineering Journal, 2019, 145, 177-185.	1.8	10
42	Metabolic engineering of Clostridium carboxidivorans for enhanced ethanol and butanol production from syngas and glucose. Bioresource Technology, 2019, 284, 415-423.	4.8	71
43	An engineered mouse embryonic stem cell model with survivin as a molecular marker and EGFP as the reporter for high throughput screening of embryotoxic chemicals in vitro. Biotechnology and Bioengineering, 2019, 116, 1656-1668.	1.7	6
44	n-Butanol and ethanol production from cellulose by Clostridium cellulovorans overexpressing heterologous aldehyde/alcohol dehydrogenases. Bioresource Technology, 2019, 285, 121316.	4.8	38
45	Engineering Stem Cell Environments in Bioreactors. , 2019, , 551-551.		1
46	Biosynthesis of polymalic acid in fermentation: advances and prospects for industrial application. Critical Reviews in Biotechnology, 2019, 39, 408-421.	5.1	55
47	Identification of steroid C27 monooxygenase isoenzymes involved in sterol catabolism and stepwise pathway engineering of Mycobacterium neoaurum for improved androst-1,4-diene-3,17-dione production. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 635-647.	1.4	21
48	3D cell coculture tumor model: A promising approach for future cancer drug discovery. Process Biochemistry, 2019, 78, 148-160.	1.8	37
49	A fluorescent 3D cell culture assay for high throughput screening of cancer drugs down-regulating survivin. Journal of Biotechnology, 2019, 289, 80-87.	1.9	11
50	Deciphering mixotrophic Clostridium formicoaceticum metabolism and energy conservation: Genomic analysis and experimental studies. Genomics, 2019, 111, 1687-1694.	1.3	10
51	Metabolic responses of Aspergillus terreus under low dissolved oxygen and pH levels. Annals of Microbiology, 2018, 68, 195-205.	1.1	4
52	Glu56Ser mutation improves the enzymatic activity and catalytic stability of Bacillus subtilis l-aspartate Î±-decarboxylase for an efficient Î²-alanine production. Process Biochemistry, 2018, 70, 117-123.	1.8	21
53	Effective and simple recovery of 1,3-propanediol from a fermented medium by liquidâ€“liquid extraction system with ethanol and K 3 PO 4. Chinese Journal of Chemical Engineering, 2018, 26, 104-108.	1.7	8
54	Biotransformation of soy flour isoflavones by Aspergillus niger NRRL 3122 Î²-glucosidase enzyme. Natural Product Research, 2018, 32, 2382-2391.	1.0	18

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55	Propionic acid production from soy molasses by Propionibacterium acidipropionici: Fermentation kinetics and economic analysis. Bioresource Technology, 2018, 250, 1-9.	4.8	60
56	Butyric acid: Applications and recent advances in its bioproduction. Biotechnology Advances, 2018, 36, 2101-2117.	6.0	100
57	Production of butyric acid from acid hydrolysate of corn husk in fermentation by Clostridium tyrobutyricum: kinetics and process economic analysis. Biotechnology for Biofuels, 2018, 11, 164.	6.2	42
58	Simultaneous cell disruption and semi-quantitative activity assays for high-throughput screening of thermostable L-asparaginases. Scientific Reports, 2018, 8, 7915.	1.6	27
59	Response Surface Methodology for Optimization of Genistein Content in Soy Flour and its Effect on the Antioxidant Activity. Iranian Journal of Pharmaceutical Research, 2018, 17, 1026-1035.	0.3	1
60	Enhanced intracellular soluble production of 3â€ketosteroidâ€<scp>Î”</sup>1</scp>â€dehydrogenase from Mycobacterium neoaurum in Escherichia coli and its application in the androstâ€1,4â€dieneâ€3,17â€dione production. Journal of Chemical Technology and Biotechnology, 2017, 92, 350-357.	1.6	8
61	Development of a multi-enzymatic desymmetrization and its application for the biosynthesis of l -norvaline from dl -norvaline. Process Biochemistry, 2017, 55, 104-109.	1.8	12
62	Recent advances and state-of-the-art strategies in strain and process engineering for biobutanol production by Clostridium acetobutylicum. Biotechnology Advances, 2017, 35, 310-322.	6.0	208
63	n-Butanol production from sucrose and sugarcane juice by engineered Clostridium tyrobutyricum overexpressing sucrose catabolism genes and adhE2. Bioresource Technology, 2017, 233, 51-57.	4.8	43
64	Metabolic engineering of Clostridium tyrobutyricum for n-butanol production from sugarcane juice. Applied Microbiology and Biotechnology, 2017, 101, 4327-4337.	1.7	37
65	Effects of salting-out and salting-out extraction on the separation of butyric acid. Separation and Purification Technology, 2017, 180, 44-50.	3.9	38
66	Quality Evaluation Focusing on Tissue Fractal Dimension and Chemical Changes for Frozen Tilapia with Treatment by Tangerine Peel Extract. Scientific Reports, 2017, 7, 42202.	1.6	14
67	Metabolic engineering strategies for acetoin and 2,3-butanediol production: advances and prospects. Critical Reviews in Biotechnology, 2017, 37, 990-1005.	5.1	77
68	Moderate alkali-thermophilic ethanologenesis by locally isolated Bacillus licheniformis from Pakistan employing sugarcane bagasse: a comparative aspect of aseptic and non-aseptic fermentations. Biotechnology for Biofuels, 2017, 10, 105.	6.2	8
69	Butyric acid production from lignocellulosic biomass hydrolysates by engineered Clostridium tyrobutyricum overexpressing xylose catabolism genes for glucose and xylose co-utilization. Bioresource Technology, 2017, 234, 389-396.	4.8	71
70	Efficient androst-1,4-diene-3,17-dione production by co-expressing 3-ketosteroid-Î”¹-dehydrogenase and catalase inBacillus subtilis. Journal of Applied Microbiology, 2017, 122, 119-128.	1.4	23
71	Metabolic engineering of Clostridium tyrobutyricum for enhanced butyric acid production from glucose and xylose. Metabolic Engineering, 2017, 40, 50-58.	3.6	78
72	Reconstruction of a genome-scale metabolic model and in silico analysis of the polymalic acid producer Aureobasidium pullulans CCTCC M2012223. Gene, 2017, 607, 1-8.	1.0	18

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73	Comparative genomic analysis of Clostridium acetobutylicum for understanding the mutations contributing to enhanced butanol tolerance and production. Journal of Biotechnology, 2017, 263, 36-44.	1.9	35
74	l-Lactic acid production from liquefied cassava starch by thermotolerant Rhizopus microsporus: Characterization and optimization. Process Biochemistry, 2017, 63, 26-34.	1.8	34
75	Tailoring the Oxidative Stress Tolerance of Clostridium tyrobutyricum CCTCC W428 by Introducing Trehalose Biosynthetic Capability. Journal of Agricultural and Food Chemistry, 2017, 65, 8892-8901.	2.4	14
76	Process engineering of cellulosic n-butanol production from corn-based biomass using Clostridium cellulovorans. Process Biochemistry, 2017, 62, 144-150.	1.8	28
77	Efficient production of d-amino acid oxidase in Escherichia coli by a trade-off between its expression and biomass using N-terminal modification. Bioresource Technology, 2017, 243, 716-723.	4.8	6
78	Enhanced robustness in acetone-butanol-ethanol fermentation with engineered Clostridium beijerinckii overexpressing adhE2 and ctfAB. Bioresource Technology, 2017, 243, 1000-1008.	4.8	40
79	Polymalic acid fermentation by Aureobasidium pullulans for malic acid production from soybean hull and soy molasses: Fermentation kinetics and economic analysis. Bioresource Technology, 2017, 223, 166-174.	4.8	88
80	Production of poly(malic acid) from sugarcane juice in fermentation by Aureobasidium pullulans: Kinetics and process economics. Bioresource Technology, 2017, 224, 581-589.	4.8	42
81	Bridging chemical- and bio-catalysis: high-value liquid transportation fuel production from renewable agricultural residues. Green Chemistry, 2017, 19, 660-669.	4.6	46
82	Effects of naringin on the proliferation and osteogenic differentiation of human amniotic fluid-derived stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 276-284.	1.3	51
83	Rebalancing Redox to Improve Biobutanol Production by Clostridium tyrobutyricum. Bioengineering, 2016, 3, 2.	1.6	11
84	Engineering yeast with bifunctional minicellulosome and cellodextrin pathway for co-utilization of cellulose-mixed sugars. Biotechnology for Biofuels, 2016, 9, 137.	6.2	30
85	Extracellular biosynthesis of antiâ€Candida silver â€Žnanoparticles using Monascus purpureus. Journal of Basic Microbiology, 2016, 56, 531-540.	1.8	59
86	Production of Î²-glucosidase from wheat bran and glycerol by Aspergillus niger in stirred tank and rotating fibrous bed bioreactors. Process Biochemistry, 2016, 51, 1331-1337.	1.8	30
87	A novel in situ gas strippingâ€pervaporation process integrated with acetoneâ€butanolâ€ethanol fermentation for hyper nâ€butanol production. Biotechnology and Bioengineering, 2016, 113, 120-129.	1.7	138
88	In vitro 3-D multicellular models for cytotoxicity assay and drug screening. Process Biochemistry, 2016, 51, 772-780.	1.8	10
89	Production of 1,3-propanediol by Clostridium beijerinckii DSM 791 from crude glycerol and corn steep liquor: Process optimization and metabolic engineering. Bioresource Technology, 2016, 212, 100-110.	4.8	72
90	Metabolic engineering of Propionibacterium freudenreichii subsp. shermanii for xylose fermentation. Bioresource Technology, 2016, 219, 91-97.	4.8	29

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91	Butanol production in acetone-butanol-ethanol fermentation with in situ product recovery by adsorption. Bioresource Technology, 2016, 219, 158-168.	4.8	123
92	Butyric acid production from oilseed rape straw by Clostridium tyrobutyricum immobilized in a fibrous bed bioreactor. Process Biochemistry, 2016, 51, 1930-1934.	1.8	34
93	Restriction modification system analysis and development of in vivo methylation for the transformation of Clostridium cellulovorans. Applied Microbiology and Biotechnology, 2016, 100, 2289-2299.	1.7	31
94	A mutant form of 3-ketosteroid-Î”1-dehydrogenase gives altered androst-1,4-diene-3, 17-dione/androst-4-ene-3,17-dione molar ratios in steroid biotransformations by Mycobacterium neoaurum ST-095. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 691-701.	1.4	23
95	Anaerobic Fermentation for Production of Carboxylic Acids as Bulk Chemicals from Renewable Biomass. Advances in Biochemical Engineering/Biotechnology, 2016, 156, 323-361.	0.6	30
96	Impacts of lignocellulose-derived inhibitors on l-lactic acid fermentation by Rhizopus oryzae. Bioresource Technology, 2016, 203, 173-180.	4.8	68
97	Efficient testosterone production by engineered Pichia pastoris co-expressing human 17Î²-hydroxysteroid dehydrogenase type 3 and Saccharomyces cerevisiae glucose 6-phosphate dehydrogenase with NADPH regeneration. Green Chemistry, 2016, 18, 1774-1784.	4.6	43
98	Amino acid residues adjacent to the catalytic cavity of tetramer l-asparaginase II contribute significantly to its catalytic efficiency and thermostability. Enzyme and Microbial Technology, 2016, 82, 15-22.	1.6	35
99	Identification and characterization of a novel 2,3-butanediol dehydrogenase/acetoin reductase from Corynebacterium crenatum SYPA5-5. Letters in Applied Microbiology, 2015, 61, 573-579.	1.0	10
100	Regulation of the NADH pool and NADH/NADPH ratio redistributes acetoin and 2,3â€butanediol proportion in Bacillus subtilis. Biotechnology Journal, 2015, 10, 1298-1306.	1.8	45
101	Phase separation in a salting-out extraction system of ethanolâ€“ammonium sulfate. Separation and Purification Technology, 2015, 148, 32-37.	3.9	34
102	Metabolic engineering of Clostridium tyrobutyricum for n-butanol production from maltose and soluble starch by overexpressing Î±-glucosidase. Applied Microbiology and Biotechnology, 2015, 99, 6155-6165.	1.7	23
103	Metabolic engineering of Propionibacterium freudenreichii subsp. shermanii for enhanced propionic acid fermentation: Effects of overexpressing three biotin-dependent carboxylases. Process Biochemistry, 2015, 50, 194-204.	1.8	34
104	Development of a plasmid addicted system that is independent of co-inducers, antibiotics and specific carbon source additions for bioproduct (1-butanol) synthesis in Escherichia coli. Metabolic Engineering Communications, 2015, 2, 6-12.	1.9	2
105	Effects of soybean meal hydrolysate as the nitrogen source on seed culture morphology and fumaric acid production by Rhizopus oryzae. Process Biochemistry, 2015, 50, 173-179.	1.8	50
106	In situ recovery of fumaric acid by intermittent adsorption with IRA-900 ion exchange resin for enhanced fumaric acid production by Rhizopus oryzae. Biochemical Engineering Journal, 2015, 96, 38-45.	1.8	29
107	Economic conversion of spirit-based distillersâ€™ grain to 2,3-butanediol by Bacillus amyloliquefaciens. Process Biochemistry, 2015, 50, 20-23.	1.8	20
108	Regulating Pyruvate Carboxylase in the Living Culture of Aspergillus Terreus Nrrl 1960 by l-Aspartate for Enhanced Itaconic Acid Production. Applied Biochemistry and Biotechnology, 2015, 177, 595-609.	1.4	13

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109	Two-step production of gamma-aminobutyric acid from cassava powder using Corynebacterium glutamicum and Lactobacillus plantarum. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1157-1165.	1.4	24
110	Cloning and identification of a novel tyrosinase and its overexpression in Streptomyces kathirae SC-1 for enhancing melanin production. FEMS Microbiology Letters, 2015, 362, fnv041.	0.7	22
111	Metabolic engineering of Clostridium tyrobutyricum for nâ€butanol production through coâ€utilization of glucose and xylose. Biotechnology and Bioengineering, 2015, 112, 2134-2141.	1.7	82
112	Metabolic engineering of Clostridium tyrobutyricum for n-butanol production: effects of CoA transferase. Applied Microbiology and Biotechnology, 2015, 99, 4917-4930.	1.7	42
113	Metabolic engineering of Bacillus subtilis for redistributing the carbon flux to 2,3-butanediol by manipulating NADH levels. Biotechnology for Biofuels, 2015, 8, 129.	6.2	32
114	Metabolic and process engineering of Clostridium cellulovorans for biofuel production from cellulose. Metabolic Engineering, 2015, 32, 39-48.	3.6	118
115	Enhanced 2,3-butanediol production from biodiesel-derived glycerol by engineering of cofactor regeneration and manipulating carbon flux in Bacillus amyloliquefaciens. Microbial Cell Factories, 2015, 14, 122.	1.9	47
116	Enhancement of the thermostability of Streptomyces kathirae SC-1 tyrosinase by rational design and empirical mutation. Enzyme and Microbial Technology, 2015, 77, 54-60.	1.6	25
117	Effect of pH on Fumaric Acid Adsorption onto IRA900 Ion Exchange Resin. Separation Science and Technology, 2015, 50, 56-63.	1.3	16
118	Bioconversion of cholesterol to 4â€cholestenâ€3â€one by recombinant Bacillus subtilis expressing <scp>choM</scp> gene encoding cholesterol oxidase from Mycobacterium neoaurum<scp>JC</scp>â€12. Journal of Chemical Technology and Biotechnology, 2015, 90, 1811-1820.	1.6	16
119	Simultaneous saccharification and fermentation of xylo-oligosaccharides manufacturing waste residue for l-lactic acid production by Rhizopus oryzae. Biochemical Engineering Journal, 2015, 94, 92-99.	1.8	44
120	Comparative proteomics analysis of high n-butanol producing metabolically engineered Clostridium tyrobutyricum. Journal of Biotechnology, 2015, 193, 108-119.	1.9	29
121	Engineering Clostridium acetobutylicum with a histidine kinase knockout for enhanced n-butanol tolerance and production. Applied Microbiology and Biotechnology, 2015, 99, 1011-1022.	1.7	117
122	Metabolic process engineering of Clostridium tyrobutyricum Î”ackâ€“adhE2 for enhanced nâ€butanol production from glucose: Effects of methyl viologen on NADH availability, flux distribution, and fermentation kinetics. Biotechnology and Bioengineering, 2015, 112, 705-715.	1.7	63
123	High cell density propionic acid fermentation with an acid tolerant strain of Propionibacterium acidipropionici. Biotechnology and Bioengineering, 2015, 112, 502-511.	1.7	32
124	Effects of carbon dioxide on cell growth and propionic acid production from glycerol and glucose by Propionibacterium acidipropionici. Bioresource Technology, 2015, 175, 374-381.	4.8	30
125	Engineering Propionibacterium freudenreichii subsp. shermanii for enhanced propionic acid fermentation: Effects of overexpressing propionyl-CoA:Succinate CoA transferase. Metabolic Engineering, 2015, 27, 46-56.	3.6	54
126	Curculigoside Improves Osteogenesis of Human Amniotic Fluid-Derived Stem Cells. Stem Cells and Development, 2014, 23, 146-154.	1.1	20

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127	Butanol Production from Soybean Hull and Soy Molasses by Acetone-Butanol-Ethanol Fermentation. ACS Symposium Series, 2014, , 25-41.	0.5	13
128	Stem cell engineering in bioreactors for largeâ€scale bioprocessing. Engineering in Life Sciences, 2014, 14, 4-15.	2.0	56
129	Integrated butanol recovery for an advanced biofuel: current state and prospects. Applied Microbiology and Biotechnology, 2014, 98, 3463-3474.	1.7	134
130	Expansion of embryonic stem cells in suspension and fibrous bed bioreactors. Journal of Biotechnology, 2014, 178, 54-64.	1.9	6
131	Characterization of gas stripping and its integration with acetoneâ€“butanolâ€“ethanol fermentation for high-efficient butanol production and recovery. Biochemical Engineering Journal, 2014, 83, 55-61.	1.8	83
132	Efficient one-step preparation of Î³-aminobutyric acid from glucose without an exogenous cofactor by the designed Corynebacterium glutamicum. Green Chemistry, 2014, 16, 4190-4197.	4.6	31
133	Hypolipidemic Activity of Okra is Mediated Through Inhibition of Lipogenesis and Upregulation of Cholesterol Degradation. Phytotherapy Research, 2014, 28, 268-273.	2.8	27
134	Fumaric Acid Recovery and Purification from Fermentation Broth by Activated Carbon Adsorption Followed with Desorption by Acetone. Industrial & Engineering Chemistry Research, 2014, 53, 12802-12808.	1.8	30
135	Engineering clostridia for butanol production from biorenewable resources: from cells to process integration. Current Opinion in Chemical Engineering, 2014, 6, 43-54.	3.8	63
136	Metabolic engineering of Propionibacterium freudenreichii: effect of expressing phosphoenolpyruvate carboxylase on propionic acid production. Applied Microbiology and Biotechnology, 2014, 98, 7761-7772.	1.7	40
137	Stable high-titer n-butanol production from sucrose and sugarcane juice by Clostridium acetobutylicum JB200 in repeated batch fermentations. Bioresource Technology, 2014, 163, 172-179.	4.8	72
138	Expansion of human amniotic fluid stem cells in 3-dimensional fibrous scaffolds in a stirred bioreactor. Biochemical Engineering Journal, 2014, 82, 71-80.	1.8	10
139	The rebalanced pathway significantly enhances acetoin production by disruption of acetoin reductase gene and moderate-expression of a new water-forming NADH oxidase in Bacillus subtilis. Metabolic Engineering, 2014, 23, 34-41.	3.6	98
140	Efficient Whole-Cell Biocatalyst for Acetoin Production with NAD+ Regeneration System through Homologous Co-Expression of 2,3-Butanediol Dehydrogenase and NADH Oxidase in Engineered Bacillus subtilis. PLoS ONE, 2014, 9, e102951.	1.1	48
141	A carbon nanotube filled polydimethylsiloxane hybrid membrane for enhanced butanol recovery. Scientific Reports, 2014, 4, 5925.	1.6	67
142	Two-Stage pH Control Strategy Based on the pH Preference of Acetoin Reductase Regulates Acetoin and 2,3-Butanediol Distribution in Bacillus subtilis. PLoS ONE, 2014, 9, e91187.	1.1	30
143	Production of β-Glucosidase by Aspergillus niger on Wheat Bran and Glycerol in Submerged Culture: Factorial Experimental Design and Process Optimization. Current Biotechnology, 2014, 3, 197-206.	0.2	11
144	Metabolic Process Engineering for Biochemicals and Biofuels Production. Journal of Microbial & Biochemical Technology, 2014, 06, .	0.2	2

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145	Dendritic cells derived from pluripotent stem cells: Potential of large scale production. World Journal of Stem Cells, 2014, 6, 1.	1.3	19
146	Neural differentiation from pluripotent stem cells: The role of natural and synthetic extracellular matrix. World Journal of Stem Cells, 2014, 6, 11.	1.3	56
147	Enhanced cellulase production by Trichoderma viride in a rotating fibrous bed bioreactor. Bioresource Technology, 2013, 133, 175-182.	4.8	64
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