Shang-Tian Yang

List of Publications by Year in Descending Order

327 papers	11,605 citations	61 h-index	88 g-index
337 ext. papers	12,795 ext. citations	5.5 avg, IF	6.68 L-index

#	Paper	IF	Citations
327	Electricity-enhanced anaerobic, non-photosynthetic mixotrophy by Clostridium carboxidivorans with increased carbon efficiency and alcohol production. *Energy Conversion and Management*, **2022**, 252, 115118	10.6	3
326	Consolidated bioprocessing for ethanol and butanol production from lignocellulosic biomass: Recent advances in strain and process engineering **2022**, 473-506		0
325	Effects of orphan histidine kinases on clostridial sporulation progression and metabolism. *Biotechnology and Bioengineering*, **2022**, 119, 226-235	4.9	1
324	A Potential Probiotic for Diarrhea: Protects Against LPS-Induced Epithelial Dysfunction IL-22 Produced By Th17 Cells in the Ileum.. *Frontiers in Immunology*, **2021**, 12, 758227	8.4	1
323	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	5.8	1
322	Comparative transcriptome analysis reveals metabolic regulation of prodigiosin in Serratia marcescens. *Systems Microbiology and Biomanufacturing*, **2021**, 1, 323-335		2
321	Engineering Clostridium cellulovorans for highly selective n-butanol production from cellulose in consolidated bioprocessing. *Biotechnology and Bioengineering*, **2021**, 118, 2703-2718	4.9	4
320	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	4.2	3
319	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	11	5
318	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	5.4	0
317	Regulator RcsB Controls Prodigiosin Synthesis and Various Cellular Processes in Serratia marcescens JNB5-1. *Applied and Environmental Microbiology*, **2021**, 87,	4.8	4
316	Effects of benzyl viologen on increasing NADH availability, acetate assimilation, and butyric acid production by Clostridium tyrobutyricum. *Biotechnology and Bioengineering*, **2021**, 118, 770-783	4.9	6
315	Sustainable production and biomedical application of polymalic acid from renewable biomass and food processing wastes. *Critical Reviews in Biotechnology*, **2021**, 41, 216-228	9.4	6
314	Bench-scale fermentation for second generation ethanol and hydrogen production by Clostridium thermocellum DSMZ 1313 from sugarcane bagasse. *Environmental Progress and Sustainable Energy*, **2021**, 40, e13516	2.5	2
313	Enhanced Prodigiosin Production in JNB5-1 by Introduction of a Polynucleotide Fragment into the 3' Untranslated Region and Disulfide Bonds into -Methyl Transferase (PigF). *Applied and Environmental Microbiology*, **2021**, 87, e0054321	4.8	0
312	Optimization and comparison of the production of galactooligosaccharides using free or immobilized Aspergillus oryzae □galactosidase, followed by purification using silica gel. *Food Chemistry*, **2021**, 362, 130195	8.5	5
311	Energy-efficient butanol production by Clostridium acetobutylicum with histidine kinase knockouts to improve strain tolerance and process robustness. *Green Chemistry*, **2021**, 23, 2155-2168	10	14

310	Two-color fluorescent proteins reporting survivin regulation in breast cancer cells for high throughput drug screening.. *Biotechnology and Bioengineering*, **2021**,	4.9	2
309	A novel □galactosidase from Klebsiella oxytoca ZJUH1705 for efficient production of galacto-oligosaccharides from lactose. *Applied Microbiology and Biotechnology*, **2020**, 104, 6161-6172	5.7	13
308	Improved Prodigiosin Production by Relieving CpxR Temperature-Sensitive Inhibition. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 344	5.8	9
307	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	3.9	15
306	LysR-Type Transcriptional Regulator MetR Controls Prodigiosin Production, Methionine Biosynthesis, Cell Motility, HO Tolerance, Heat Tolerance, and Exopolysaccharide Synthesis in Serratia marcescens. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	18
305	Intracellular metabolism analysis of Clostridium cellulovorans via modeling integrating proteomics, metabolomics and fermentation. *Process Biochemistry*, **2020**, 89, 9-19	4.8	6
304	Acetone, butanol, and ethanol production from puerariae slag hydrolysate through ultrasound-assisted dilute acid by Clostridium beijerinckii YBS3. *Bioresource Technology*, **2020**, 316, 123899	11	3
303	Recent advances in n-butanol and butyrate production using engineered Clostridium tyrobutyricum. *World Journal of Microbiology and Biotechnology*, **2020**, 36, 138	4.4	16
302	Comparative transcriptome analysis of Clostridium tyrobutyricum expressing a heterologous uptake hydrogenase. *Science of the Total Environment*, **2020**, 749, 142022	10.2	4
301	Engineered disulfide bonds improve thermostability and activity of L-isoleucine hydroxylase for efficient 4-HIL production in 168. *Engineering in Life Sciences*, **2020**, 20, 7-16	3.4	6
300	Development of an in vivo fluorescence based gene expression reporter system for Clostridium tyrobutyricum. *Journal of Biotechnology*, **2019**, 305, 18-22	3.7	5
299	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	6.4	10
298	Design of a high-efficiency synthetic system for l-asparaginase production in. *Engineering in Life Sciences*, **2019**, 19, 229-239	3.4	4
297	Engineering Clostridium for improved solvent production: recent progress and perspective. *Applied Microbiology and Biotechnology*, **2019**, 103, 5549-5566	5.7	37
296	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	5.7	5
295	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	4.2	8
294	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	5.7	21
293	Proteomics insight into the production of monoclonal antibody. *Biochemical Engineering Journal*, **2019**, 145, 177-185	4.2	7

292	Metabolic engineering of Clostridium carboxidivorans for enhanced ethanol and butanol production from syngas and glucose. *Bioresource Technology*, **2019**, 284, 415-423	11	43
291	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	4.9	6
290	n-Butanol and ethanol production from cellulose by Clostridium cellulovorans overexpressing heterologous aldehyde/alcohol dehydrogenases. *Bioresource Technology*, **2019**, 285, 121316	11	29
289	Engineering Stem Cell Environments in Bioreactors **2019**, 551-551		1
288	Biosynthesis of polymalic acid in fermentation: advances and prospects for industrial application. *Critical Reviews in Biotechnology*, **2019**, 39, 408-421	9.4	28
287	Production of n-butanol from cassava bagasse hydrolysate by engineered Clostridium tyrobutyricum overexpressing adhE2: Kinetics and cost analysis. *Bioresource Technology*, **2019**, 292, 121969	11	24
286	Potential of hydrogen production from sugarcane juice by Ethanoligenens harbinense Yuan-3. *Journal of Cleaner Production*, **2019**, 237, 117552	10.3	10
285	n-Butanol production from lignocellulosic biomass hydrolysates without detoxification by Clostridium tyrobutyricum Δack-adhE2 in a fibrous-bed bioreactor. *Bioresource Technology*, **2019**, 289, 121749	11	38
284	Development of a dual fluorescence system for simultaneous detection of two cell populations in a 3D coculture. *Process Biochemistry*, **2019**, 86, 144-150	4.8	
283	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	4.2	8
282	3D cell coculture tumor model: A promising approach for future cancer drug discovery. *Process Biochemistry*, **2019**, 78, 148-160	4.8	24
281	A fluorescent 3D cell culture assay for high throughput screening of cancer drugs down-regulating survivin. *Journal of Biotechnology*, **2019**, 289, 80-87	3.7	10
280	Deciphering mixotrophic Clostridium formicoaceticum metabolism and energy conservation: Genomic analysis and experimental studies. *Genomics*, **2019**, 111, 1687-1694	4.3	8
279	Metabolic responses of Aspergillus terreus under low dissolved oxygen and pH levels. *Annals of Microbiology*, **2018**, 68, 195-205	3.2	2
278	Glu56Ser mutation improves the enzymatic activity and catalytic stability of Bacillus subtilis l-aspartate α-decarboxylase for an efficient β-alanine production. *Process Biochemistry*, **2018**, 70, 117-123	4.8	13
277	Propionic Acid and Derivatives **2018**, 1-20		5
276	Effective and simple recovery of 1,3-propanediol from a fermented medium by liquid–liquid extraction system with ethanol and K 3 PO 4. *Chinese Journal of Chemical Engineering*, **2018**, 26, 104-108	3.2	6
275	Production of butyric acid from acid hydrolysate of corn husk in fermentation by : kinetics and process economic analysis. *Biotechnology for Biofuels*, **2018**, 11, 164	7.8	32

274	Simultaneous cell disruption and semi-quantitative activity assays for high-throughput screening of thermostable L-asparaginases. *Scientific Reports*, **2018**, 8, 7915	4.9	20
273	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	1.1	
272	Biotransformation of soy flour isoflavones by Aspergillus niger NRRL 3122 β-glucosidase enzyme. *Natural Product Research*, **2018**, 32, 2382-2391	2.3	7
271	Propionic acid production from soy molasses by Propionibacterium acidipropionici: Fermentation kinetics and economic analysis. *Bioresource Technology*, **2018**, 250, 1-9	11	44
270	Butyric acid: Applications and recent advances in its bioproduction. *Biotechnology Advances*, **2018**, 36, 2101-2117	17.8	50
269	Enhanced intracellular soluble production of 3-ketosteroid-Δ1-dehydrogenase from Mycobacterium neoaurum in Escherichia coli and its application in the androst-1,4-diene-3,17-dione production. *Journal of Chemical Technology and Biotechnology*, **2017**, 92, 350-357	3.5	8
268	Development of a multi-enzymatic desymmetrization and its application for the biosynthesis of l-norvaline from dl-norvaline. *Process Biochemistry*, **2017**, 55, 104-109	4.8	9
267	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	17.8	162
266	n-Butanol production from sucrose and sugarcane juice by engineered Clostridium tyrobutyricum overexpressing sucrose catabolism genes and adhE2. *Bioresource Technology*, **2017**, 233, 51-57	11	35
265	Metabolic engineering of Clostridium tyrobutyricum for n-butanol production from sugarcane juice. *Applied Microbiology and Biotechnology*, **2017**, 101, 4327-4337	5.7	27
264	Effects of salting-out and salting-out extraction on the separation of butyric acid. *Separation and Purification Technology*, **2017**, 180, 44-50	8.3	28
263	Quality Evaluation Focusing on Tissue Fractal Dimension and Chemical Changes for Frozen Tilapia with Treatment by Tangerine Peel Extract. *Scientific Reports*, **2017**, 7, 42202	4.9	7
262	Metabolic engineering strategies for acetoin and 2,3-butanediol production: advances and prospects. *Critical Reviews in Biotechnology*, **2017**, 37, 990-1005	9.4	51
261	Moderate alkali-thermophilic ethanologenesis by locally isolated from Pakistan employing sugarcane bagasse: a comparative aspect of aseptic and non-aseptic fermentations. *Biotechnology for Biofuels*, **2017**, 10, 105	7.8	6
260	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	11	53
259	Efficient androst-1,4-diene-3,17-dione production by co-expressing 3-ketosteroid-Δ -dehydrogenase and catalase in Bacillus subtilis. *Journal of Applied Microbiology*, **2017**, 122, 119-128	4.7	12
258	Metabolic engineering of Clostridium tyrobutyricum for enhanced butyric acid production from glucose and xylose. *Metabolic Engineering*, **2017**, 40, 50-58	9.7	56
257	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	3.8	15

256	Comparative genomic analysis of Clostridium acetobutylicum for understanding the mutations contributing to enhanced butanol tolerance and production. *Journal of Biotechnology*, **2017**, 263, 36-44	3.7	27
255	l-Lactic acid production from liquefied cassava starch by thermotolerant Rhizopus microsporus: Characterization and optimization. *Process Biochemistry*, **2017**, 63, 26-34	4.8	22
254	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	5.7	11
253	Process engineering of cellulosic n-butanol production from corn-based biomass using Clostridium cellulovorans. *Process Biochemistry*, **2017**, 62, 144-150	4.8	25
252	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	11	3
251	Enhanced robustness in acetone-butanol-ethanol fermentation with engineered Clostridium beijerinckii overexpressing adhE2 and ctfAB. *Bioresource Technology*, **2017**, 243, 1000-1008	11	25
250	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	11	67
249	Production of poly(malic acid) from sugarcane juice in fermentation by Aureobasidium pullulans: Kinetics and process economics. *Bioresource Technology*, **2017**, 224, 581-589	11	37
248	Bridging chemical- and bio-catalysis: high-value liquid transportation fuel production from renewable agricultural residues. *Green Chemistry*, **2017**, 19, 660-669	10	34
247	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	4.4	37
246	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	3.8	22
245	Butyric acid production from oilseed rape straw by Clostridium tyrobutyricum immobilized in a fibrous bed bioreactor. *Process Biochemistry*, **2016**, 51, 1930-1934	4.8	25
244	Restriction modification system analysis and development of in vivo methylation for the transformation of Clostridium cellulovorans. *Applied Microbiology and Biotechnology*, **2016**, 100, 2289-99	5.7	26
243	A mutant form of 3-ketosteroid-Δ(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	4.2	20
242	Anaerobic Fermentation for Production of Carboxylic Acids as Bulk Chemicals from Renewable Biomass. *Advances in Biochemical Engineering/Biotechnology*, **2016**, 156, 323-361	1.7	18
241	Impacts of lignocellulose-derived inhibitors on L-lactic acid fermentation by Rhizopus oryzae. *Bioresource Technology*, **2016**, 203, 173-80	11	53
240	Efficient testosterone production by engineered Pichia pastoris co-expressing human 17β-hydroxysteroid dehydrogenase type 3 and Saccharomyces cerevisiae glucose 6-phosphate dehydrogenase with NADPH regeneration. *Green Chemistry*, **2016**, 18, 1774-1784	10	40
239	Engineering yeast with bifunctional minicellulosome and cellodextrin pathway for co-utilization of cellulose-mixed sugars. *Biotechnology for Biofuels*, **2016**, 9, 137	7.8	22

238	Extracellular biosynthesis of anti-Candida silver ?nanoparticles using Monascus purpureus. *Journal of Basic Microbiology*, **2016**, 56, 531-40	2.7	47
237	Production of □glucosidase from wheat bran and glycerol by Aspergillus niger in stirred tank and rotating fibrous bed bioreactors. *Process Biochemistry*, **2016**, 51, 1331-1337	4.8	21
236	A novel in situ gas stripping-pervaporation process integrated with acetone-butanol-ethanol fermentation for hyper n-butanol production. *Biotechnology and Bioengineering*, **2016**, 113, 120-9	4.9	114
235	In vitro 3-D multicellular models for cytotoxicity assay and drug screening. *Process Biochemistry*, **2016**, 51, 772-780	4.8	10
234	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	11	61
233	Metabolic engineering of Propionibacterium freudenreichii subsp. shermanii for xylose fermentation. *Bioresource Technology*, **2016**, 219, 91-97	11	26
232	Butanol production in acetone-butanol-ethanol fermentation with in situ product recovery by adsorption. *Bioresource Technology*, **2016**, 219, 158-168	11	99
231	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	3.2	12
230	Two-step production of gamma-aminobutyric acid from cassava powder using Corynebacterium glutamicum and Lactobacillus plantarum. *Journal of Industrial Microbiology and Biotechnology*, **2015**, 42, 1157-65	4.2	18
229	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	2.9	14
228	Metabolic engineering of Clostridium tyrobutyricum for n-butanol production through co-utilization of glucose and xylose. *Biotechnology and Bioengineering*, **2015**, 112, 2134-41	4.9	75
227	Metabolic engineering of Clostridium tyrobutyricum for n-butanol production: effects of CoA transferase. *Applied Microbiology and Biotechnology*, **2015**, 99, 4917-30	5.7	34
226	Metabolic engineering of Bacillus subtilis for redistributing the carbon flux to 2,3-butanediol by manipulating NADH levels. *Biotechnology for Biofuels*, **2015**, 8, 129	7.8	24
225	Metabolic and process engineering of Clostridium cellulovorans for biofuel production from cellulose. *Metabolic Engineering*, **2015**, 32, 39-48	9.7	96
224	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	6.4	39
223	Enhancement of the thermostability of Streptomyces kathirae SC-1 tyrosinase by rational design and empirical mutation. *Enzyme and Microbial Technology*, **2015**, 77, 54-60	3.8	16
222	Effect of pH on Fumaric Acid Adsorption onto IRA900 Ion Exchange Resin. *Separation Science and Technology*, **2015**, 50, 56-63	2.5	10
221	Bioconversion of cholesterol to 4-cholesten-3-one by recombinant Bacillus subtilis expressing choM gene encoding cholesterol oxidase from Mycobacterium neoaurum JC-12. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1811-1820	3.5	13

220	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	4.2	28
219	Comparative proteomics analysis of high n-butanol producing metabolically engineered Clostridium tyrobutyricum. *Journal of Biotechnology*, **2015**, 193, 108-19	3.7	28
218	Engineering Clostridium acetobutylicum with a histidine kinase knockout for enhanced n-butanol tolerance and production. *Applied Microbiology and Biotechnology*, **2015**, 99, 1011-22	5.7	99
217	Metabolic process engineering of Clostridium tyrobutyricum Δack-adhE2 for enhanced n-butanol production from glucose: effects of methyl viologen on NADH availability, flux distribution, and fermentation kinetics. *Biotechnology and Bioengineering*, **2015**, 112, 705-15	4.9	51
216	High cell density propionic acid fermentation with an acid tolerant strain of Propionibacterium acidipropionici. *Biotechnology and Bioengineering*, **2015**, 112, 502-11	4.9	27
215	Effects of carbon dioxide on cell growth and propionic acid production from glycerol and glucose by Propionibacterium acidipropionici. *Bioresource Technology*, **2015**, 175, 374-81	11	22
214	Engineering Propionibacterium freudenreichii subsp. shermanii for enhanced propionic acid fermentation: effects of overexpressing propionyl-CoA:Succinate CoA transferase. *Metabolic Engineering*, **2015**, 27, 46-56	9.7	43
213	Identification and characterization of a novel 2,3-butanediol dehydrogenase/acetoin reductase from Corynebacterium crenatum SYPA5-5. *Letters in Applied Microbiology*, **2015**, 61, 573-9	2.9	8
212	Regulation of the NADH pool and NADH/NADPH ratio redistributes acetoin and 2,3-butanediol proportion in Bacillus subtilis. *Biotechnology Journal*, **2015**, 10, 1298-306	5.6	31
211	Phase separation in a salting-out extraction system of ethanol□mmonium sulfate. *Separation and Purification Technology*, **2015**, 148, 32-37	8.3	23
210	Metabolic engineering of Clostridium tyrobutyricum for n-butanol production from maltose and soluble starch by overexpressing □glucosidase. *Applied Microbiology and Biotechnology*, **2015**, 99, 6155-65	5.7	19
209	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	4.8	29
208	Development of a plasmid addicted system that is independent of co-inducers, antibiotics and specific carbon source additions for bioproduct (1-butanol) synthesis in. *Metabolic Engineering Communications*, **2015**, 2, 6-12	6.5	0
207	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	4.8	44
206	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	4.2	21
205	Economic conversion of spirit-based distillers□grain to 2,3-butanediol by Bacillus amyloliquefaciens. *Process Biochemistry*, **2015**, 50, 20-23	4.8	16
204	Rebalancing Redox to Improve Biobutanol Production by. *Bioengineering*, **2015**, 3,	5.3	9
203	A carbon nanotube filled polydimethylsiloxane hybrid membrane for enhanced butanol recovery. *Scientific Reports*, **2014**, 4, 5925	4.9	51

202	Integrated butanol recovery for an advanced biofuel: current state and prospects. *Applied Microbiology and Biotechnology*, **2014**, 98, 3463-74	5.7	119
201	Expansion of embryonic stem cells in suspension and fibrous bed bioreactors. *Journal of Biotechnology*, **2014**, 178, 54-64	3.7	4
200	Characterization of gas stripping and its integration with acetone□butanol□ethanol fermentation for high-efficient butanol production and recovery. *Biochemical Engineering Journal*, **2014**, 83, 55-61	4.2	71
199	Efficient one-step preparation of □aminobutyric acid from glucose without an exogenous cofactor by the designed Corynebacterium glutamicum. *Green Chemistry*, **2014**, 16, 4190-4197	10	22
198	Hypolipidemic activity of okra is mediated through inhibition of lipogenesis and upregulation of cholesterol degradation. *Phytotherapy Research*, **2014**, 28, 268-73	6.7	21
197	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	3.9	25
196	Propionic Acid and Derivatives **2014**, 1-20		1
195	Engineering clostridia for butanol production from biorenewable resources: from cells to process integration. *Current Opinion in Chemical Engineering*, **2014**, 6, 43-54	5.4	57
194	Metabolic engineering of Propionibacterium freudenreichii: effect of expressing phosphoenolpyruvate carboxylase on propionic acid production. *Applied Microbiology and Biotechnology*, **2014**, 98, 7761-72	5.7	35
193	Stable high-titer n-butanol production from sucrose and sugarcane juice by Clostridium acetobutylicum JB200 in repeated batch fermentations. *Bioresource Technology*, **2014**, 163, 172-9	11	67
192	Expansion of human amniotic fluid stem cells in 3-dimensional fibrous scaffolds in a stirred bioreactor. *Biochemical Engineering Journal*, **2014**, 82, 71-80	4.2	8
191	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	9.7	81
190	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	3.7	37
189	Curculigoside improves osteogenesis of human amniotic fluid-derived stem cells. *Stem Cells and Development*, **2014**, 23, 146-54	4.4	16
188	Butanol Production from Soybean Hull and Soy Molasses by Acetone-Butanol-Ethanol Fermentation. *ACS Symposium Series*, **2014**, 25-41	0.4	10
187	Stem cell engineering in bioreactors for large-scale bioprocessing. *Engineering in Life Sciences*, **2014** , 14, 4-15	3.4	45
186	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	3.7	25
185	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	0.6	10

184	Metabolic Process Engineering for Biochemicals and Biofuels Production. *Journal of Microbial & Biochemical Technology*, **2014**, 06,		2
183	Dendritic cells derived from pluripotent stem cells: Potential of large scale production. *World Journal of Stem Cells*, **2014**, 6, 1-10	5.6	16
182	Neural differentiation from pluripotent stem cells: The role of natural and synthetic extracellular matrix. *World Journal of Stem Cells*, **2014**, 6, 11-23	5.6	48
181	Enhanced cellulase production by Trichoderma viride in a rotating fibrous bed bioreactor. *Bioresource Technology*, **2013**, 133, 175-82	11	55
180	Amylases: Characteristics, Sources, Production, and Applications **2013**, 111-130		4
179	Biodiesel Properties and Alternative Feedstocks **2013**, 205-234		1
178	Propionic acid production in glycerol/glucose co-fermentation by Propionibacterium freudenreichii subsp. shermanii. *Bioresource Technology*, **2013**, 137, 116-23	11	85
177	Fermentation of biodiesel-derived glycerol by Bacillus amyloliquefaciens: effects of co-substrates on 2,3-butanediol production. *Applied Microbiology and Biotechnology*, **2013**, 97, 7651-8	5.7	38
176	Advances in Lignocellulosic Bioethanol **2013**, 193-204		4
175	Novel and Traditional Oil Crops and Their Biorefinery Potential **2013**, 47-60		5
174	Energy Crops **2013**, 61-78		
173	Microwell bioreactor system for cell-based high throughput proliferation and cytotoxicity assays. *Process Biochemistry*, **2013**, 48, 78-88	4.8	8
172	Integrated Biorefinery for Sustainable Production of Fuels, Chemicals, and Polymers **2013**, 1-26		9
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