

Shang-Tian Yang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Design of a compact disk-like microfluidic platform for enzyme-linked immunosorbent assay. <i>Analytical Chemistry</i> , 2004 , 76, 1832-7	7.8	345
326	Fed-batch fermentation for n-butanol production from cassava bagasse hydrolysate in a fibrous bed bioreactor with continuous gas stripping. <i>Bioresource Technology</i> , 2012 , 104, 380-7	11	194
325	Effect of pH on metabolic pathway shift in fermentation of xylose by <i>Clostridium tyrobutyricum</i> . <i>Journal of Biotechnology</i> , 2004 , 110, 143-57	3.7	181
324	Metabolic engineering of <i>Clostridium tyrobutyricum</i> for n-butanol production. <i>Metabolic Engineering</i> , 2011 , 13, 373-82	9.7	177
323	High-titer n-butanol production by <i>Clostridium acetobutylicum</i> JB200 in fed-batch fermentation with intermittent gas stripping. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 2746-56	4.9	176
322	Recent advances and state-of-the-art strategies in strain and process engineering for biobutanol production by <i>Clostridium acetobutylicum</i> . <i>Biotechnology Advances</i> , 2017 , 35, 310-322	17.8	162
321	Production of galacto-oligosaccharides from lactose by <i>Aspergillus oryzae</i> beta-galactosidase immobilized on cotton cloth. <i>Biotechnology and Bioengineering</i> , 2002 , 77, 8-19	4.9	160
320	Effects of filtration seeding on cell density, spatial distribution, and proliferation in nonwoven fibrous matrices. <i>Biotechnology Progress</i> , 2001 , 17, 935-44	2.8	147
319	Production of L(+)-lactic acid from glucose and starch by immobilized cells of <i>Rhizopus oryzae</i> in a rotating fibrous bed bioreactor. <i>Biotechnology and Bioengineering</i> , 2002 , 80, 1-12	4.9	143
318	Two-stage in situ gas stripping for enhanced butanol fermentation and energy-saving product recovery. <i>Bioresource Technology</i> , 2013 , 135, 396-402	11	138
317	Continuous production of butanol by <i>Clostridium acetobutylicum</i> immobilized in a fibrous bed bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 113-116, 887-98	3.2	138
316	Construction and characterization of ack deleted mutant of <i>Clostridium tyrobutyricum</i> for enhanced butyric acid and hydrogen production. <i>Biotechnology Progress</i> , 2006 , 22, 1265-75	2.8	137
315	Extractive fermentation for butyric acid production from glucose by <i>Clostridium tyrobutyricum</i> . <i>Biotechnology and Bioengineering</i> , 2003 , 82, 93-102	4.9	132
314	Production of carboxylic acids from hydrolyzed corn meal by immobilized cell fermentation in a fibrous-bed bioreactor. <i>Bioresource Technology</i> , 2002 , 82, 51-9	11	130
313	Enhanced propionic acid fermentation by <i>Propionibacterium acidipropionici</i> mutant obtained by adaptation in a fibrous-bed bioreactor. <i>Biotechnology and Bioengineering</i> , 2005 , 91, 325-37	4.9	124
312	Surface modification for enhancing antibody binding on polymer-based microfluidic device for enzyme-linked immunosorbent assay. <i>Langmuir</i> , 2006 , 22, 9458-67	4	121
311	Biodegradation of benzene, toluene, ethylbenzene, and o-xylene by a coculture of <i>Pseudomonas putida</i> and <i>Pseudomonas fluorescens</i> immobilized in a fibrous-bed bioreactor. <i>Journal of Biotechnology</i> , 1999 , 67, 99-112	3.7	121

310	Integrated butanol recovery for an advanced biofuel: current state and prospects. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 3463-74	5.7	119
309	Propionic acid production from glycerol by metabolically engineered <i>Propionibacterium acidipropionici</i> . <i>Process Biochemistry</i> , 2009 , 44, 1346-1351	4.8	119
308	A novel in situ gas stripping-pervaporation process integrated with acetone-butanol-ethanol fermentation for hyper n-butanol production. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 120-9	4.9	114
307	Butanol production from wood pulping hydrolysate in an integrated fermentation-gas stripping process. <i>Bioresource Technology</i> , 2013 , 143, 467-75	11	113
306	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
305	Butyric acid production from acid hydrolysate of corn fibre by <i>Clostridium tyrobutyricum</i> in a fibrous-bed bioreactor. <i>Process Biochemistry</i> , 2002 , 38, 657-666	4.8	105
304	Three-dimensional fibrous scaffolds with microstructures and nanotextures for tissue engineering. <i>RSC Advances</i> , 2012 , 2, 10110	3.7	104
303	Extractive fermentation for enhanced propionic acid production from lactose by <i>Propionibacterium acidipropionici</i> . <i>Biotechnology Progress</i> , 1998 , 14, 457-65	2.8	103
302	Engineering <i>Clostridium acetobutylicum</i> with a histidine kinase knockout for enhanced n-butanol tolerance and production. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 1011-22	5.7	99
301	Butanol production in acetone-butanol-ethanol fermentation with in situ product recovery by adsorption. <i>Bioresource Technology</i> , 2016 , 219, 158-168	11	99
300	Propionic acid fermentation of lactose by <i>Propionibacterium acidipropionici</i> : effects of pH. <i>Biotechnology and Bioengineering</i> , 1991 , 38, 571-8	4.9	98
299	Butyric acid and hydrogen production by <i>Clostridium tyrobutyricum</i> ATCC 25755 and mutants. <i>Enzyme and Microbial Technology</i> , 2006 , 38, 521-528	3.8	97
298	Metabolic and process engineering of <i>Clostridium cellulovorans</i> for biofuel production from cellulose. <i>Metabolic Engineering</i> , 2015 , 32, 39-48	9.7	96
297	Continuous propionate production from whey permeate using a novel fibrous bed bioreactor. <i>Biotechnology and Bioengineering</i> , 1994 , 43, 1124-30	4.9	95
296	Construction and characterization of pta gene-deleted mutant of <i>Clostridium tyrobutyricum</i> for enhanced butyric acid fermentation. <i>Biotechnology and Bioengineering</i> , 2005 , 90, 154-66	4.9	90
295	A continuous fibrous-bed bioreactor for BTEX biodegradation by a co-culture of <i>Pseudomonas putida</i> and <i>Pseudomonas fluorescens</i> . <i>Journal of Environmental Management</i> , 2002 , 7, 203-216		89
294	Kinetics and stability of a fibrous-bed bioreactor for continuous production of lactic acid from unsupplemented acid whey. <i>Journal of Biotechnology</i> , 1995 , 41, 59-70	3.7	88
293	Effects of pore size in 3-D fibrous matrix on human trophoblast tissue development. <i>Biotechnology and Bioengineering</i> , 2000 , 70, 606-18	4.9	87

292	Propionic acid production in glycerol/glucose co-fermentation by <i>Propionibacterium freudenreichii</i> subsp. <i>shermanii</i> . <i>Bioresource Technology</i> , 2013 , 137, 116-23	11	85
291	Human cord cell hematopoiesis in three-dimensional nonwoven fibrous matrices: in vitro simulation of the marrow microenvironment. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2001 , 10, 355-68		85
290	Butyric acid production from sugarcane bagasse hydrolysate by <i>Clostridium tyrobutyricum</i> immobilized in a fibrous-bed bioreactor. <i>Bioresource Technology</i> , 2013 , 129, 553-60	11	84
289	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
288	Effects of cassava starch hydrolysate on cell growth and lipid accumulation of the heterotrophic microalgae <i>Chlorella protothecoides</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009 , 36, 1383-9	4.2	83
287	The rebalanced pathway significantly enhances acetoin production by disruption of acetoin reductase gene and moderate-expression of a new water-forming NADH oxidase in <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2014 , 23, 34-41	9.7	81
286	Thermal compression and characterization of three-dimensional nonwoven PET matrices as tissue engineering scaffolds. <i>Biomaterials</i> , 2001 , 22, 609-18	15.6	81
285	Effects of temperature on cell growth and xanthan production in batch cultures of <i>Xanthomonas campestris</i> . <i>Biotechnology and Bioengineering</i> , 1990 , 35, 454-68	4.9	81
284	Production of polymalic acid and malic acid by <i>Aureobasidium pullulans</i> fermentation and acid hydrolysis. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 2105-13	4.9	80
283	Engineering <i>Propionibacterium acidipropionici</i> for enhanced propionic acid tolerance and fermentation. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 766-73	4.9	77
282	Metabolic engineering of <i>Clostridium tyrobutyricum</i> for n-butanol production through co-utilization of glucose and xylose. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 2134-41	4.9	75
281	Immobilization of beta-galactosidase on fibrous matrix by polyethyleneimine for production of galacto-oligosaccharides from lactose. <i>Biotechnology Progress</i> , 2002 , 18, 240-51	2.8	74
280	Adaptation of <i>Clostridium tyrobutyricum</i> for enhanced tolerance to butyric acid in a fibrous-bed bioreactor. <i>Biotechnology Progress</i> , 2003 , 19, 365-72	2.8	73
279	Characterization of gas stripping and its integration with acetoneButanolEthanol fermentation for high-efficient butanol production and recovery. <i>Biochemical Engineering Journal</i> , 2014 , 83, 55-61	4.2	71
278	Effects of different replicons in conjugative plasmids on transformation efficiency, plasmid stability, gene expression and n-butanol biosynthesis in <i>Clostridium tyrobutyricum</i> . <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 881-9	5.7	71
277	Long-term culturing of undifferentiated embryonic stem cells in conditioned media and three-dimensional fibrous matrices without extracellular matrix coating. <i>Stem Cells</i> , 2007 , 25, 447-54	5.8	70
276	Immobilization of <i>Aspergillus oryzae</i> β -galactosidase on tosylated cotton cloth. <i>Enzyme and Microbial Technology</i> , 2002 , 31, 371-383	3.8	70
275	Stable high-titer n-butanol production from sucrose and sugarcane juice by <i>Clostridium acetobutylicum</i> JB200 in repeated batch fermentations. <i>Bioresource Technology</i> , 2014 , 163, 172-9	11	67

274	Polymalic acid fermentation by <i>Aureobasidium pullulans</i> for malic acid production from soybean hull and soy molasses: Fermentation kinetics and economic analysis. <i>Bioresource Technology</i> , 2017 , 223, 166-174	11	67
273	Construction and characterization of ack knock-out mutants of <i>Propionibacterium acidipropionici</i> for enhanced propionic acid fermentation. <i>Biotechnology and Bioengineering</i> , 2006 , 94, 383-95	4.9	67
272	Acetate production from whey lactose using co-immobilized cells of homolactic and homoacetic bacteria in a fibrous-bed bioreactor. <i>Biotechnology and Bioengineering</i> , 1998 , 60, 498-507	4.9	66
271	Continuous propionic acid fermentation by immobilized <i>Propionibacterium acidipropionici</i> in a novel packed-bed bioreactor. <i>Biotechnology and Bioengineering</i> , 1992 , 40, 465-74	4.9	65
270	Metabolic engineering of <i>Rhizopus oryzae</i> : effects of overexpressing <i>pyc</i> and <i>pepc</i> genes on fumaric acid biosynthesis from glucose. <i>Metabolic Engineering</i> , 2012 , 14, 512-20	9.7	63
269	Production of 2,3-butanediol from glucose by GRAS microorganism <i>Bacillus amyloliquefaciens</i> . <i>Journal of Basic Microbiology</i> , 2011 , 51, 650-8	2.7	61
268	Kinetics of butyric acid fermentation of glucose and xylose by <i>Clostridium tyrobutyricum</i> wild type and mutant. <i>Process Biochemistry</i> , 2006 , 41, 801-808	4.8	61
267	Production of 1,3-propanediol by <i>Clostridium beijerinckii</i> DSM 791 from crude glycerol and corn steep liquor: Process optimization and metabolic engineering. <i>Bioresource Technology</i> , 2016 , 212, 100-110	11	61
266	Enhanced butanol production by coculture of <i>Clostridium beijerinckii</i> and <i>Clostridium tyrobutyricum</i> . <i>Bioresource Technology</i> , 2013 , 143, 397-404	11	60
265	Fabrication of well-defined PLGA scaffolds using novel microembossing and carbon dioxide bonding. <i>Biomaterials</i> , 2005 , 26, 2585-94	15.6	59
264	A Novel Extractive Fermentation Process for Propionic Acid Production from Whey Lactose. <i>Biotechnology Progress</i> , 1992 , 8, 104-110	2.8	59
263	A novel recycle batch immobilized cell bioreactor for propionate production from whey lactose. <i>Biotechnology and Bioengineering</i> , 1995 , 45, 379-86	4.9	58
262	Engineering clostridia for butanol production from biorenewable resources: from cells to process integration. <i>Current Opinion in Chemical Engineering</i> , 2014 , 6, 43-54	5.4	57
261	Metabolic engineering of <i>Clostridium tyrobutyricum</i> for enhanced butyric acid production from glucose and xylose. <i>Metabolic Engineering</i> , 2017 , 40, 50-58	9.7	56
260	Enhanced propionic acid production from Jerusalem artichoke hydrolysate by immobilized <i>Propionibacterium acidipropionici</i> in a fibrous-bed bioreactor. <i>Bioprocess and Biosystems Engineering</i> , 2012 , 35, 915-21	3.7	56
259	Enhanced cellulase production by <i>Trichoderma viride</i> in a rotating fibrous bed bioreactor. <i>Bioresource Technology</i> , 2013 , 133, 175-82	11	55
258	Effects of pH and acetic acid on homoacetic fermentation of lactate by <i>Clostridium formicoaceticum</i> . <i>Biotechnology and Bioengineering</i> , 1989 , 34, 1063-74	4.9	55
257	Acetic acid production from fructose by <i>Clostridium formicoaceticum</i> immobilized in a fibrous-Bed bioreactor. <i>Biotechnology Progress</i> , 1998 , 14, 800-6	2.8	54

256	Butyric acid production from lignocellulosic biomass hydrolysates by engineered <i>Clostridium tyrobutyricum</i> overexpressing xylose catabolism genes for glucose and xylose co-utilization. <i>Bioresource Technology</i> , 2017 , 234, 389-396	11	53
255	Impacts of lignocellulose-derived inhibitors on L-lactic acid fermentation by <i>Rhizopus oryzae</i> . <i>Bioresource Technology</i> , 2016 , 203, 173-80	11	53
254	Lipidomic profiling and discovery of lipid biomarkers in snow alga <i>Chlamydomonas nivalis</i> under salt stress. <i>European Journal of Lipid Science and Technology</i> , 2012 , 114, 253-265	3	53
253	Cellulases: Characteristics, Sources, Production, and Applications 2013 , 131-146		52
252	Metabolic engineering strategies for acetoin and 2,3-butanediol production: advances and prospects. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 990-1005	9.4	51
251	Metabolic process engineering of <i>Clostridium tyrobutyricum</i> Δ ck-adhE2 for enhanced n-butanol production from glucose: effects of methyl viologen on NADH availability, flux distribution, and fermentation kinetics. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 705-15	4.9	51
250	A carbon nanotube filled polydimethylsiloxane hybrid membrane for enhanced butanol recovery. <i>Scientific Reports</i> , 2014 , 4, 5925	4.9	51
249	Butyric acid: Applications and recent advances in its bioproduction. <i>Biotechnology Advances</i> , 2018 , 36, 2101-2117	17.8	50
248	Effects of three-dimensional scaffolds on cell organization and tissue development. <i>Biotechnology and Bioprocess Engineering</i> , 2001 , 6, 311-325	3.1	49
247	Tissue engineering human placenta trophoblast cells in 3-D fibrous matrix: spatial effects on cell proliferation and function. <i>Biotechnology Progress</i> , 1999 , 15, 715-24	2.8	49
246	Neural differentiation from pluripotent stem cells: The role of natural and synthetic extracellular matrix. <i>World Journal of Stem Cells</i> , 2014 , 6, 11-23	5.6	48
245	Production of lactic acid and ethanol by <i>Rhizopus oryzae</i> integrated with cassava pulp hydrolysis. <i>Bioprocess and Biosystems Engineering</i> , 2010 , 33, 407-16	3.7	47
244	Extracellular biosynthesis of anti-Candida silver nanoparticles using <i>Monascus purpureus</i> . <i>Journal of Basic Microbiology</i> , 2016 , 56, 531-40	2.7	47
243	Stem cell engineering in bioreactors for large-scale bioprocessing. <i>Engineering in Life Sciences</i> , 2014 , 14, 4-15	3.4	45
242	Acetic acid production from lactose by an anaerobic thermophilic coculture immobilized in a fibrous-bed bioreactor. <i>Biotechnology Progress</i> , 2000 , 16, 1008-17	2.8	45
241	Xanthan Gum Fermentation by <i>Xanthomonas campestris</i> Immobilized in a Novel Centrifugal Fibrous-Bed Bioreactor. <i>Biotechnology Progress</i> , 1996 , 12, 630-637	2.8	45
240	Effects of soybean meal hydrolysate as the nitrogen source on seed culture morphology and fumaric acid production by <i>Rhizopus oryzae</i> . <i>Process Biochemistry</i> , 2015 , 50, 173-179	4.8	44
239	Propionic acid production from soy molasses by <i>Propionibacterium acidipropionici</i> : Fermentation kinetics and economic analysis. <i>Bioresource Technology</i> , 2018 , 250, 1-9	11	44

238	Metabolic engineering of <i>Clostridium carboxidivorans</i> for enhanced ethanol and butanol production from syngas and glucose. <i>Bioresource Technology</i> , 2019 , 284, 415-423	11	43
237	Engineering <i>Propionibacterium freudenreichii</i> subsp. <i>shermanii</i> for enhanced propionic acid fermentation: effects of overexpressing propionyl-CoA:Succinate CoA transferase. <i>Metabolic Engineering</i> , 2015 , 27, 46-56	9.7	43
236	Cell surface display of carbonic anhydrase on <i>Escherichia coli</i> using ice nucleation protein for CO ₂ sequestration. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 2853-64	4.9	43
235	Efficient testosterone production by engineered <i>Pichia pastoris</i> co-expressing human 17 β -hydroxysteroid dehydrogenase type 3 and <i>Saccharomyces cerevisiae</i> glucose 6-phosphate dehydrogenase with NADPH regeneration. <i>Green Chemistry</i> , 2016 , 18, 1774-1784	10	40
234	Modifications of nonwoven polyethylene terephthalate fibrous matrices via NaOH hydrolysis: Effects on pore size, fiber diameter, cell seeding and proliferation. <i>Process Biochemistry</i> , 2009 , 44, 992-998	4.8	40
233	Effects of temperature on lactose hydrolysis by immobilized beta-galactosidase in plug-flow reactor. <i>Biotechnology and Bioengineering</i> , 1989 , 33, 873-85	4.9	40
232	Improved production of 2,3-butanediol in <i>Bacillus amyloliquefaciens</i> by over-expression of glyceraldehyde-3-phosphate dehydrogenase and 2,3-butanediol dehydrogenase. <i>PLoS ONE</i> , 2013 , 8, e76149	3.7	40
231	Enhanced 2,3-butanediol production from biodiesel-derived glycerol by engineering of cofactor regeneration and manipulating carbon flux in <i>Bacillus amyloliquefaciens</i> . <i>Microbial Cell Factories</i> , 2015 , 14, 122	6.4	39
230	A novel honeycomb matrix for cell immobilization to enhance lactic acid production by <i>Rhizopus oryzae</i> . <i>Bioresource Technology</i> , 2010 , 101, 5557-64	11	39
229	n-Butanol production from lignocellulosic biomass hydrolysates without detoxification by <i>Clostridium tyrobutyricum</i> Δ ck-adhE2 in a fibrous-bed bioreactor. <i>Bioresource Technology</i> , 2019 , 289, 121749	11	38
228	Fermentation of biodiesel-derived glycerol by <i>Bacillus amyloliquefaciens</i> : effects of co-substrates on 2,3-butanediol production. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 7651-8	5.7	38
227	Engineering <i>Clostridium</i> for improved solvent production: recent progress and perspective. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 5549-5566	5.7	37
226	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 <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2014 , 9, e102951	3.7	37
225	Production of poly(malic acid) from sugarcane juice in fermentation by <i>Aureobasidium pullulans</i> : Kinetics and process economics. <i>Bioresource Technology</i> , 2017 , 224, 581-589	11	37
224	Effects of naringin on the proliferation and osteogenic differentiation of human amniotic fluid-derived stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 276-284	4.4	37
223	Effects of yeast extract and glucose on xanthan production and cell growth in batch culture of <i>Xanthomonas campestris</i> . <i>Applied Microbiology and Biotechnology</i> , 1997 , 47, 689-694	5.7	37
222	High-throughput 3-D cell-based proliferation and cytotoxicity assays for drug screening and bioprocess development. <i>Journal of Biotechnology</i> , 2011 , 151, 186-93	3.7	36
221	Culturing and differentiation of murine embryonic stem cells in a three-dimensional fibrous matrix. <i>Cytotechnology</i> , 2003 , 41, 23-35	2.2	36

220	n-Butanol production from sucrose and sugarcane juice by engineered <i>Clostridium tyrobutyricum</i> overexpressing sucrose catabolism genes and adhE2. <i>Bioresource Technology</i> , 2017 , 233, 51-57	11	35
219	Metabolic engineering of <i>Propionibacterium freudenreichii</i> : effect of expressing phosphoenolpyruvate carboxylase on propionic acid production. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7761-72	5.7	35
218	Metabolic engineering of <i>Clostridium tyrobutyricum</i> for n-butanol production: effects of CoA transferase. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 4917-30	5.7	34
217	Effects of ptb knockout on butyric acid fermentation by <i>Clostridium tyrobutyricum</i> . <i>Biotechnology Progress</i> , 2012 , 28, 52-9	2.8	34
216	Bridging chemical- and bio-catalysis: high-value liquid transportation fuel production from renewable agricultural residues. <i>Green Chemistry</i> , 2017 , 19, 660-669	10	34
215	A hollow-fiber membrane extraction process for recovery and separation of lactic acid from aqueous solution. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 113-116, 671-88	3.2	34
214	A dynamic light scattering study of beta-galactosidase: environmental effects on protein conformation and enzyme activity. <i>Biotechnology Progress</i> , 1994 , 10, 525-31	2.8	34
213	A novel feeding strategy for enhanced plasmid stability and protein production in recombinant yeast fedbatch fermentation. <i>Biotechnology and Bioengineering</i> , 1997 , 56, 23-31	4.9	33
212	Production of mycophenolic acid by <i>Penicillium brevicompactum</i> immobilized in a rotating fibrous-bed bioreactor. <i>Enzyme and Microbial Technology</i> , 2007 , 40, 623-628	3.8	33
211	Production of butyric acid from acid hydrolysate of corn husk in fermentation by : kinetics and process economic analysis. <i>Biotechnology for Biofuels</i> , 2018 , 11, 164	7.8	32
210	Metabolic engineering of <i>Propionibacterium freudenreichii</i> for n-propanol production. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 4677-90	5.7	32
209	Production of Butyric Acid and Butanol from Biomass		32
208	Regulation of the NADH pool and NADH/NADPH ratio redistributes acetoin and 2,3-butanediol proportion in <i>Bacillus subtilis</i> . <i>Biotechnology Journal</i> , 2015 , 10, 1298-306	5.6	31
207	Effects of three-dimensional culturing in a fibrous matrix on cell cycle, apoptosis, and MAb production by hybridoma cells. <i>Biotechnology Progress</i> , 2004 , 20, 306-15	2.8	31
206	Enzyme-linked immunosorbent assay of <i>Escherichia coli</i> O157:H7 in surface enhanced poly(methyl methacrylate) microchannels. <i>Biotechnology and Bioengineering</i> , 2007 , 98, 328-39	4.9	30
205	Production of GFP and glucoamylase by recombinant <i>Aspergillus niger</i> : effects of fermentation conditions on fungal morphology and protein secretion. <i>Biotechnology Progress</i> , 2005 , 21, 1389-400	2.8	30
204	Kinetics and stability of GM-CSF production by recombinant yeast cells immobilized in a fibrous-bed bioreactor. <i>Biotechnology Progress</i> , 1996 , 12, 449-56	2.8	30
203	Propionic acid fermentation by <i>Propionibacterium acidipropionici</i> : effect of growth substrate. <i>Applied Microbiology and Biotechnology</i> , 1992 , 37, 437	5.7	30

202	n-Butanol and ethanol production from cellulose by <i>Clostridium cellulovorans</i> overexpressing heterologous aldehyde/alcohol dehydrogenases. <i>Bioresource Technology</i> , 2019 , 285, 121316	11	29
201	Metabolic engineering of <i>Propionibacterium freudenreichii</i> subsp. <i>shermanii</i> for enhanced propionic acid fermentation: Effects of overexpressing three biotin-dependent carboxylases. <i>Process Biochemistry</i> , 2015 , 50, 194-204	4.8	29
200	Acetic acid production from whey lactose by the co-culture of <i>Streptococcus lactis</i> and <i>Clostridium formicoaceticum</i> . <i>Applied Microbiology and Biotechnology</i> , 1988 , 28, 138-143	5.7	29
199	Effects of salting-out and salting-out extraction on the separation of butyric acid. <i>Separation and Purification Technology</i> , 2017 , 180, 44-50	8.3	28
198	Biosynthesis of polymalic acid in fermentation: advances and prospects for industrial application. <i>Critical Reviews in Biotechnology</i> , 2019 , 39, 408-421	9.4	28
197	Simultaneous saccharification and fermentation of xylo-oligosaccharides manufacturing waste residue for L-lactic acid production by <i>Rhizopus oryzae</i> . <i>Biochemical Engineering Journal</i> , 2015 , 94, 92-99	4.2	28
196	Comparative proteomics analysis of high n-butanol producing metabolically engineered <i>Clostridium tyrobutyricum</i> . <i>Journal of Biotechnology</i> , 2015 , 193, 108-19	3.7	28
195	Oxygen tension influences proliferation and differentiation in a tissue-engineered model of placental trophoblast-like cells. <i>Tissue Engineering</i> , 2001 , 7, 495-506		28
194	Kinetic and feasibility studies of ultrafiltration of viscous xanthan gum fermentation broth. <i>Journal of Membrane Science</i> , 1996 , 117, 237-249	9.6	28
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