Feng-Jie Cui

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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.

82 papers	1,553 citations	24 h-index	35 g-index
83 ext. papers	1,818 ext. citations	4.9 avg, IF	4.58 L-index

#	Paper	IF	Citations
82	Improvement of xylanase production by Penicillium oxalicum ZH-30 using response surface methodology. *Enzyme and Microbial Technology*, **2007**, 40, 1381-1388	3.8	110
81	Production of octenyl succinic anhydride-modified waxy corn starch and its characterization. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 11499-506	5.7	102
80	Lactic acid production from corn stover using mixed cultures of Lactobacillus rhamnosus and Lactobacillus brevis. *Bioresource Technology*, **2011**, 102, 1831-6	11	99
79	Improved mycelia and polysaccharide production of Grifola frondosa by controlling morphology with microparticle Talc. *Microbial Cell Factories*, **2018**, 17, 1	6.4	90
78	Statistical optimization of xylanase production from new isolated Penicillium oxalicum ZH-30 in submerged fermentation. *Biochemical Engineering Journal*, **2007**, 34, 82-86	4.2	52
77	Induction of apoptosis in SGC-7901 cells by polysaccharide-peptide GFPS1b from the cultured mycelia of Grifola frondosa GF9801. *Toxicology in Vitro*, **2007**, 21, 417-27	3.6	52
76	Optimization of Xylanase production from Penicillium sp.WX-Z1 by a two-step statistical strategy: Plackett-Burman and Box-Behnken experimental design. *International Journal of Molecular Sciences* , **2012**, 13, 10630-46	6.3	42
75	Enhancing stabilities of lipase by enzyme aggregate coating immobilized onto ionic liquid modified mesoporous materials. *Applied Surface Science*, **2014**, 311, 62-67	6.7	41
74	Effect of surface modification of low cost mesoporous SiO2 carriers on the properties of immobilized lipase. *Journal of Colloid and Interface Science*, **2014**, 417, 210-6	9.3	39
73	Improved postharvest quality and respiratory activity of straw mushroom (Volvariella volvacea) with ultrasound treatment and controlled relative humidity. *Scientia Horticulturae*, **2017**, 225, 56-64	4.1	37
72	Purification and characterization of a novel polysaccharide-peptide complex from Clinacanthus nutans Lindau leaves. *Carbohydrate Polymers*, **2016**, 137, 701-708	10.3	34
71	Semi-continuous production of 2-keto-gluconic acid by Pseudomonas fluorescens AR4 from rice starch hydrolysate. *Bioresource Technology*, **2012**, 110, 546-51	11	32
70	Purification and partial characterization of a novel anti-tumor glycoprotein from cultured mycelia of Grifola frondosa. *International Journal of Biological Macromolecules*, **2013**, 62, 684-690	7.9	30
69	Purification and partial characterization of a novel hemagglutinating glycoprotein from the cultured mycelia of Hericium erinaceus. *Process Biochemistry*, **2014**, 49, 1362-1369	4.8	30
68	Hericium erinaceus polysaccharide-protein HEG-5 inhibits SGC-7901 cell growth via cell cycle arrest and apoptosis. *International Journal of Biological Macromolecules*, **2015**, 76, 242-53	7.9	29
67	A novel bacteriophage KSL-1 of 2-Keto-gluconic acid producer Pseudomonas fluorescens K1005: isolation, characterization and its remedial action. *BMC Microbiology*, **2012**, 12, 127	4.5	29
66	Enzyme-Assisted Extraction of Oil from Wet Microalgae Scenedesmus sp. G4. *Energies*, **2015**, 8, 8165-8174	3.1	28

65	Effect of superfine grinding on antidiabetic activity of bitter melon powder. *International Journal of Molecular Sciences*, **2012**, 13, 14203-18	6.3	27
64	Production and characterization of a novel acidophilic and thermostable xylanase from Thermoascus aurantiacu. *International Journal of Biological Macromolecules*, **2018**, 109, 1270-1279	7.9	27
63	Filamentous microalgae Tribonema sp. cultivation in the anaerobic/oxic effluents of petrochemical wastewater for evaluating the efficiency of recycling and treatment. *Biochemical Engineering Journal*, **2019**, 145, 27-32	4.2	25
62	D-isoascorbyl palmitate: lipase-catalyzed synthesis, structural characterization and process optimization using response surface methodology. *Chemistry Central Journal*, **2013**, 7, 114		25
61	Ultrasound-Assisted Extraction of Polysaccharides from : Process Optimization and Structural Characterization. *Molecules*, **2018**, 23,	4.8	24
60	Isolation and identification of a novel Rhodococcus sp. ML-0004 producing epoxide hydrolase and optimization of enzyme production. *Process Biochemistry*, **2007**, 42, 889-894	4.8	24
59	Application of Plackett-Burman experimental design and Doehlert design to evaluate nutritional requirements for xylanase production by Alternaria mali ND-16. *Applied Microbiology and Biotechnology*, **2007**, 77, 285-91	5.7	24
58	EFFECT OF ULTRAHIGH PRESSURE TREATMENT ON VOLATILE COMPOUNDS IN GARLIC. *Journal of Food Process Engineering*, **2011**, 34, 1915-1930	2.4	23
57	A two-stage system coupling hydrolytic acidification with algal microcosms for treatment of wastewater from the manufacture of acrylonitrile butadiene styrene (ABS) resin. *Biotechnology Letters*, **2018**, 40, 689-696	3	21
56	Structural elucidation and immunomodulatory activity of a D-glucan prepared by freeze-thawing from Hericium erinaceus. *Carbohydrate Polymers*, **2019**, 222, 114996	10.3	20
55	Continuous 2-keto-gluconic acid (2KGA) production from corn starch hydrolysate by Pseudomonas fluorescens AR4. *Biochemical Engineering Journal*, **2013**, 77, 97-102	4.2	20
54	Non-sterile and buffer-free bioconversion of glucose to 2-keto-gluconic acid by using Pseudomonas fluorescens AR4 free resting cells. *Process Biochemistry*, **2015**, 50, 493-499	4.8	19
53	A macromolecular glucan from fruiting bodies of Volvariella volvacea activating RAW264. 7 macrophages through MAPKs pathway. *Carbohydrate Polymers*, **2020**, 230, 115674	10.3	19
52	Production and Partial Characterization of an Alkaline Xylanase from a Novel Fungus Cladosporium oxysporum. *BioMed Research International*, **2016**, 2016, 4575024	3	19
51	Ultrasound-assisted lipase-catalyzed synthesis of D-isoascorbyl palmitate: process optimization and Kinetic evaluation. *Chemistry Central Journal*, **2013**, 7, 180		18
50	Co-production of Lactic Acid and Lactobacillus rhamnosus Cells from Whey Permeate with Nutrient Supplements. *Food and Bioprocess Technology*, **2012**, 5, 1278-1286	5.1	18
49	Chemical Compositions and Macrophage Activation of Polysaccharides from Leon Ts Mane Culinary-Medicinal Mushroom Hericium erinaceus (Higher Basidiomycetes) in Different Maturation Stages. *International Journal of Medicinal Mushrooms*, **2015**, 17, 443-52	1.3	16
48	Transesterification of Rapeseed Oil to Biodiesel on CaO/Fe Hollow Fiber Catalyst: Optimization by Response Surface Methodology. *Bioenergy Research*, **2012**, 5, 949-957	3.1	16

47	Grifola frondosa Glycoprotein GFG-3a Arrests S phase, Alters Proteome, and Induces Apoptosis in Human Gastric Cancer Cells. *Nutrition and Cancer*, **2016**, 68, 267-79	2.8	16
46	Optimization of fermentation conditions for production of xylanase by a newly isolated strain, Penicillium thiersii ZH-19. *World Journal of Microbiology and Biotechnology*, **2009**, 25, 721-725	4.4	15
45	Production of mycelial biomass and exo-polymer by Hericium erinaceus CZ-2: Optimization of nutrients levels using response surface methodology. *Biotechnology and Bioprocess Engineering*, **2010**, 15, 299-307	3.1	14
44	Production of xylanase from a newly isolated Penicillium sp. ZH-30. *World Journal of Microbiology and Biotechnology*, **2007**, 23, 837-843	4.4	14
43	Changes in chemical components and cytotoxicity at different maturity stages of Pleurotus eryngii fruiting body. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 12631-40	5.7	12
42	Continuous conversion of rice starch hydrolysate to 2-keto-D-gluconic acid by Arthrobacter globiformis C224. *Biotechnology and Bioprocess Engineering*, **2013**, 18, 709-714	3.1	11
41	Microbial Lactic Acid Production from Renewable Resources **2010**, 211-228		11
40	Ultrasound-assisted extraction and antioxidant activity of polysaccharides from Acanthus ilicifolius. *Journal of Food Measurement and Characterization*, **2020**, 14, 1223-1235	2.8	11
39	Control of Grifola frondosa Morphology by Agitation and Aeration for Improving Mycelia and Exo-Polymer Production. *Applied Biochemistry and Biotechnology*, **2016**, 179, 459-73	3.2	10
38	Functions of a Glucan Synthase Gene in Mycelial Growth and Polysaccharide Production of. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 8875-8883	5.7	10
37	Optimization of Alkaline Flocculation for Harvesting of Scenedesmus quadricauda #507 and Chaetoceros muelleri #862. *Energies*, **2014**, 7, 6186-6195	3.1	10
36	Bacterial intervention on the growth, nutrient removal and lipid production of filamentous oleaginous microalgae Tribonema sp.. *Algal Research*, **2020**, 52, 102088	5	10
35	Purification, characterization and gene identification of a membrane-bound glucose dehydrogenase from 2-keto-d-gluconic acid industrial producing strain Pseudomonas plecoglossicida JUIM01. *International Journal of Biological Macromolecules*, **2018**, 118, 534-541	7.9	9
34	Kinetic Study of Humic Acid Ozonation in Aqueous Media. *Clean - Soil, Air, Water*, **2008**, 36, 893-899	1.6	9
33	Outdoor Growth Characterization of an Unknown Microalga Screened from Contaminated Culture. *BioMed Research International*, **2017**, 2017, 5681617	3	8
32	Enhancing 2-Ketogluconate Production of JUIM01 by Maintaining the Carbon Catabolite Repression of 2-Ketogluconate Metabolism. *Molecules*, **2018**, 23,	4.8	8
31	Process Analysis of Alkaline Flocculation Harvesting for Chaetoceros muelleri and Scenedesmus quadricauda. *Bioenergy Research*, **2016**, 9, 682-690	3.1	7
30	Simultaneous identification and quantification of canrenone and 11-β-hydroxy-canrenone by LC-MS and HPLC-UVD. *Journal of Biomedicine and Biotechnology*, **2011**, 2011, 917232		7

29	Structural characterization, antioxidant and hypolipidemic activity of Grifola frondosa polysaccharides in novel submerged cultivation. *Food Bioscience*, **2021**, 42, 101187	4.9	7
28	A Membrane-Bound Gluconate Dehydrogenase from 2-Keto-D-Gluconic Acid Industrial Producing Strain Pseudomonas plecoglossicida JUIM01: Purification, Characterization, and Gene Identification. *Applied Biochemistry and Biotechnology*, **2019**, 188, 897-913	3.2	6
27	UDP-glucose pyrophosphorylase gene affects mycelia growth and polysaccharide synthesis of Grifola frondosa. *International Journal of Biological Macromolecules*, **2020**, 161, 1161-1170	7.9	6
26	Two-Stage Semi-Continuous 2-Keto-Gluconic Acid (2KGA) Production by JUIM01 From Rice Starch Hydrolyzate. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 120	5.8	6
25	Enhanced Acid Tolerance in Lactobacillus acidophilus by Atmospheric and Room Temperature Plasma (ARTP) Coupled with Adaptive Laboratory Evolution (ALE). *Applied Biochemistry and Biotechnology*, **2020**, 191, 1499-1514	3.2	6
24	Novel Dual-Functional Enzyme Lip10 Catalyzes Lipase and Acyltransferase Activities in the Oleaginous Fungus. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 13176-13184	5.7	6
23	Energy Status and mitochondrial metabolism of Volvariella volvacea with controlled ultrasound treatment and relative humidity. *Postharvest Biology and Technology*, **2020**, 167, 111250	6.2	5
22	The Role of kguT Gene in 2-Ketogluconate-Producing Pseudomonas plecoglossicida JUIM01. *Applied Biochemistry and Biotechnology*, **2019**, 187, 965-974	3.2	5
21	2-Keto-D-gluconate-yielding membrane-bound D-glucose dehydrogenase from Arthrobacter globiformis C224: purification and characterization. *Molecules*, **2015**, 20, 846-62	4.8	5
20	Purification and enzymatic characterization of membrane-bound d-gluconate dehydrogenase from Arthrobacter globiformis. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 113, 14-22		5
19	A Novel 2-Keto-D-Gluconic Acid High-Producing Strain Arthrobacter globiformis JUIM02. *Applied Biochemistry and Biotechnology*, **2018**, 185, 947-957	3.2	4
18	Protein Production Through Microbial Conversion of Rice Straw by Multi-Strain Fermentation. *Applied Biochemistry and Biotechnology*, **2019**, 187, 253-265	3.2	4
17	Isolation and identification of a newly isolated Alternaria sp. ND-16 and characterization of xylanase. *Applied Biochemistry and Biotechnology*, **2009**, 157, 36-49	3.2	4
16	The role of Rho1 gene in the cell wall integrity and polysaccharides biosynthesis of the edible mushroom Grifola frondosa. *International Journal of Biological Macromolecules*, **2020**, 165, 1593-1603	7.9	4
15	Improved glucose and xylose co-utilization by overexpression of xylose isomerase and/or xylulokinase genes in oleaginous fungus Mucor circinelloides. *Applied Microbiology and Biotechnology*, **2021**, 105, 5565-5575	5.7	4
14	ARTP mutation and adaptive laboratory evolution improve probiotic performance of Bacillus coagulans. *Applied Microbiology and Biotechnology*, **2020**, 104, 6363-6373	5.7	3
13	Improvement of D-Ribose Production from Corn Starch Hydrolysate by a Transketolase-Deficient Strain Bacillus subtilis UJS0717. *BioMed Research International*, **2015**, 2015, 535097	3	3
12	Freeze-Drying of Glycoprotein GFPS1b from Grifola frondosa GF9801: Drying Kinetics, Functional, Conformational, and Topographical Changes. *Drying Technology*, **2013**, 31, 1611-1618	2.6	3

11	Production of 2-keto-gluconic acid from glucose by immobilized resting cells. *3 Biotech*, **2020**, 10, 253	2.8	2
10	Effect of FeSO4 treatment on glucose metabolism in diabetic rats. *BioMetals*, **2008**, 21, 685-91	3.4	2
9	A myxobacterium strain Sorangium cellulosum AHB125 producing epothilone B and other anticancer substances. *Natural Product Research*, **2007**, 21, 1256-65	2.3	2
8	Production of Value-Added Products by Lactic Acid Bacteria **2010**, 421-435		1
7	A uridine diphosphate-glycosyltransferase GFUGT88A1 derived from edible mushroom Grifola frondosa extends oligosaccharide chains. *Process Biochemistry*, **2022**, 112, 80-91	4.8	1
6	A 2-ketogluconate kinase KguK in Pseudomonas plecoglossicida JUIM01: Enzymatic characterization and its role in 2-keto-d-gluconic acid metabolism. *International Journal of Biological Macromolecules*, **2020**, 165, 2640-2648	7.9	1
5	Structural Properties and Macrophage Activation of Cell Wall Polysaccharides from the Fruiting Bodies of. *Polymers*, **2018**, 10,	4.5	1
4	Enhancement of quality retention of fruiting bodies by erythorbic acid treatment. *3 Biotech*, **2018**, 8, 305	2.8	1
3	The β1,3-glucan synthase gene GFGLS2 plays major roles in mycelial growth and polysaccharide synthesis in Grifola frondosa.. *Applied Microbiology and Biotechnology*, **2021**, 106, 563	5.7	1
2	Changes of structures and biosynthesis/hydrolysis-associated genes expression of glucans at different Volvariella volvacea maturity stages. *International Journal of Biological Macromolecules*, **2021**, 191, 996-1005	7.9	0
1	Characterization of a transcriptional regulator PtxS from Pseudomonas plecoglossicida for regulating 2-ketogluconic acid metabolism. *International Journal of Biological Macromolecules*, **2021** , 174, 330-338	7.9	