

# Feng-Jie Cui

## List of Publications by Year in Descending Order

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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	A uridine diphosphate-glycosyltransferase GFUGT88A1 derived from edible mushroom <i>Grifola frondosa</i> extends oligosaccharide chains. <i>Process Biochemistry</i> , <b>2022</b> , 112, 80-91	4.8	1
81	Improved glucose and xylose co-utilization by overexpression of xylose isomerase and/or xylulokinase genes in oleaginous fungus <i>Mucor circinelloides</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 5565-5575	5.7	4
80	Characterization of a transcriptional regulator PtxS from <i>Pseudomonas plecoglossicida</i> for regulating 2-ketogluconic acid metabolism. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 174, 330-338	7.9	
79	Structural characterization, antioxidant and hypolipidemic activity of <i>Grifola frondosa</i> polysaccharides in novel submerged cultivation. <i>Food Bioscience</i> , <b>2021</b> , 42, 101187	4.9	7
78	Changes of structures and biosynthesis/hydrolysis-associated genes expression of glucans at different <i>Volvariella volvacea</i> maturity stages. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 191, 996-1005	7.9	0
77	The $\alpha$ ,1,3-glucan synthase gene GFGLS2 plays major roles in mycelial growth and polysaccharide synthesis in <i>Grifola frondosa</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 106, 563	5.7	1
76	ARTP mutation and adaptive laboratory evolution improve probiotic performance of <i>Bacillus coagulans</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 6363-6373	5.7	3
75	UDP-glucose pyrophosphorylase gene affects mycelia growth and polysaccharide synthesis of <i>Grifola frondosa</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 1161-1170	7.9	6
74	Energy Status and mitochondrial metabolism of <i>Volvariella volvacea</i> with controlled ultrasound treatment and relative humidity. <i>Postharvest Biology and Technology</i> , <b>2020</b> , 167, 111250	6.2	5
73	Production of 2-keto-gluconic acid from glucose by immobilized resting cells. <i>3 Biotech</i> , <b>2020</b> , 10, 253	2.8	2
72	Two-Stage Semi-Continuous 2-Keto-Gluconic Acid (2KGA) Production by JUIM01 From Rice Starch Hydrolyzate. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 120	5.8	6
71	Enhanced Acid Tolerance in <i>Lactobacillus acidophilus</i> by Atmospheric and Room Temperature Plasma (ARTP) Coupled with Adaptive Laboratory Evolution (ALE). <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 191, 1499-1514	3.2	6
70	A 2-ketogluconate kinase KguK in <i>Pseudomonas plecoglossicida</i> JUIM01: Enzymatic characterization and its role in 2-keto-d-gluconic acid metabolism. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 2640-2648	7.9	1
69	Ultrasound-assisted extraction and antioxidant activity of polysaccharides from <i>Acanthus ilicifolius</i> . <i>Journal of Food Measurement and Characterization</i> , <b>2020</b> , 14, 1223-1235	2.8	11
68	A macromolecular $\beta$ -glucan from fruiting bodies of <i>Volvariella volvacea</i> activating RAW264.7 macrophages through MAPKs pathway. <i>Carbohydrate Polymers</i> , <b>2020</b> , 230, 115674	10.3	19
67	Bacterial intervention on the growth, nutrient removal and lipid production of filamentous oleaginous microalgae <i>Tribonema</i> sp.. <i>Algal Research</i> , <b>2020</b> , 52, 102088	5	10
66	The role of Rho1 gene in the cell wall integrity and polysaccharides biosynthesis of the edible mushroom <i>Grifola frondosa</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 1593-1603	7.9	4

65	A Membrane-Bound Gluconate Dehydrogenase from 2-Keto-D-Gluconic Acid Industrial Producing Strain <i>Pseudomonas plecoglossicida</i> JUIM01: Purification, Characterization, and Gene Identification. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 188, 897-913	3.2	6
64	Filamentous microalgae <i>Tribonema</i> sp. cultivation in the anaerobic/oxic effluents of petrochemical wastewater for evaluating the efficiency of recycling and treatment. <i>Biochemical Engineering Journal</i> , <b>2019</b> , 145, 27-32	4.2	25
63	Protein Production Through Microbial Conversion of Rice Straw by Multi-Strain Fermentation. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 187, 253-265	3.2	4
62	The Role of <i>kguT</i> Gene in 2-Ketogluconate-Producing <i>Pseudomonas plecoglossicida</i> JUIM01. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 187, 965-974	3.2	5
61	Functions of a Glucan Synthase Gene in Mycelial Growth and Polysaccharide Production of. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 8875-8883	5.7	10
60	Structural elucidation and immunomodulatory activity of a $\beta$ -D-glucan prepared by freeze-thawing from <i>Hericium erinaceus</i> . <i>Carbohydrate Polymers</i> , <b>2019</b> , 222, 114996	10.3	20
59	Novel Dual-Functional Enzyme Lip10 Catalyzes Lipase and Acyltransferase Activities in the Oleaginous Fungus. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 13176-13184	5.7	6
58	A Novel 2-Keto-D-Gluconic Acid High-Producing Strain <i>Arthrobacter globiformis</i> JUIM02. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 185, 947-957	3.2	4
57	A two-stage system coupling hydrolytic acidification with algal microcosms for treatment of wastewater from the manufacture of acrylonitrile butadiene styrene (ABS) resin. <i>Biotechnology Letters</i> , <b>2018</b> , 40, 689-696	3	21
56	Purification, characterization and gene identification of a membrane-bound glucose dehydrogenase from 2-keto-d-gluconic acid industrial producing strain <i>Pseudomonas plecoglossicida</i> JUIM01. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 534-541	7.9	9
55	Ultrasound-Assisted Extraction of Polysaccharides from : Process Optimization and Structural Characterization. <i>Molecules</i> , <b>2018</b> , 23,	4.8	24
54	Improved mycelia and polysaccharide production of <i>Grifola frondosa</i> by controlling morphology with microparticle Talc. <i>Microbial Cell Factories</i> , <b>2018</b> , 17, 1	6.4	90
53	Production and characterization of a novel acidophilic and thermostable xylanase from <i>Thermoascus aurantiacus</i> . <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 1270-1279	7.9	27
52	Structural Properties and Macrophage Activation of Cell Wall Polysaccharides from the Fruiting Bodies of. <i>Polymers</i> , <b>2018</b> , 10,	4.5	1
51	Enhancing 2-Ketogluconate Production of JUIM01 by Maintaining the Carbon Catabolite Repression of 2-Ketogluconate Metabolism. <i>Molecules</i> , <b>2018</b> , 23,	4.8	8
50	Enhancement of quality retention of fruiting bodies by erythorbic acid treatment. <i>3 Biotech</i> , <b>2018</b> , 8, 305	2.8	1
49	Outdoor Growth Characterization of an Unknown Microalga Screened from Contaminated Culture. <i>BioMed Research International</i> , <b>2017</b> , 2017, 5681617	3	8
48	Improved postharvest quality and respiratory activity of straw mushroom ( <i>Volvariella volvacea</i> ) with ultrasound treatment and controlled relative humidity. <i>Scientia Horticulturae</i> , <b>2017</b> , 225, 56-64	4.1	37

47	Process Analysis of Alkaline Flocculation Harvesting for <i>Chaetoceros muelleri</i> and <i>Scenedesmus quadricauda</i> . <i>Bioenergy Research</i> , <b>2016</b> , 9, 682-690	3.1	7
46	Control of <i>Grifola frondosa</i> Morphology by Agitation and Aeration for Improving Mycelia and Exo-Polymer Production. <i>Applied Biochemistry and Biotechnology</i> , <b>2016</b> , 179, 459-73	3.2	10
45	Purification and characterization of a novel polysaccharide-peptide complex from <i>Clinacanthus nutans</i> Lindau leaves. <i>Carbohydrate Polymers</i> , <b>2016</b> , 137, 701-708	10.3	34
44	Production and Partial Characterization of an Alkaline Xylanase from a Novel Fungus <i>Cladosporium oxysporum</i> . <i>BioMed Research International</i> , <b>2016</b> , 2016, 4575024	3	19
43	<i>Grifola frondosa</i> Glycoprotein GFG-3a Arrests S phase, Alters Proteome, and Induces Apoptosis in Human Gastric Cancer Cells. <i>Nutrition and Cancer</i> , <b>2016</b> , 68, 267-79	2.8	16
42	Non-sterile and buffer-free bioconversion of glucose to 2-keto-gluconic acid by using <i>Pseudomonas fluorescens</i> AR4 free resting cells. <i>Process Biochemistry</i> , <b>2015</b> , 50, 493-499	4.8	19
41	2-Keto-D-gluconate-yielding membrane-bound D-glucose dehydrogenase from <i>Arthrobacter globiformis</i> C224: purification and characterization. <i>Molecules</i> , <b>2015</b> , 20, 846-62	4.8	5
40	Chemical Compositions and Macrophage Activation of Polysaccharides from <i>Leonotis Mane</i> Culinary-Medicinal Mushroom <i>Herichium erinaceus</i> (Higher Basidiomycetes) in Different Maturation Stages. <i>International Journal of Medicinal Mushrooms</i> , <b>2015</b> , 17, 443-52	1.3	16
39	Enzyme-Assisted Extraction of Oil from Wet Microalgae <i>Scenedesmus</i> sp. G4. <i>Energies</i> , <b>2015</b> , 8, 8165-8174	3.1	28
38	Improvement of D-Ribose Production from Corn Starch Hydrolysate by a Transketolase-Deficient Strain <i>Bacillus subtilis</i> UJS0717. <i>BioMed Research International</i> , <b>2015</b> , 2015, 535097	3	3
37	<i>Herichium erinaceus</i> polysaccharide-protein HEG-5 inhibits SGC-7901 cell growth via cell cycle arrest and apoptosis. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 76, 242-53	7.9	29
36	Purification and enzymatic characterization of membrane-bound d-gluconate dehydrogenase from <i>Arthrobacter globiformis</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 113, 14-22		5
35	Enhancing stabilities of lipase by enzyme aggregate coating immobilized onto ionic liquid modified mesoporous materials. <i>Applied Surface Science</i> , <b>2014</b> , 311, 62-67	6.7	41
34	Optimization of Alkaline Flocculation for Harvesting of <i>Scenedesmus quadricauda</i> #507 and <i>Chaetoceros muelleri</i> #862. <i>Energies</i> , <b>2014</b> , 7, 6186-6195	3.1	10
33	Changes in chemical components and cytotoxicity at different maturity stages of <i>Pleurotus eryngii</i> fruiting body. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 12631-40	5.7	12
32	Purification and partial characterization of a novel hemagglutinating glycoprotein from the cultured mycelia of <i>Herichium erinaceus</i> . <i>Process Biochemistry</i> , <b>2014</b> , 49, 1362-1369	4.8	30
31	Effect of surface modification of low cost mesoporous SiO <sub>2</sub> carriers on the properties of immobilized lipase. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 417, 210-6	9.3	39
30	D-isoascorbyl palmitate: lipase-catalyzed synthesis, structural characterization and process optimization using response surface methodology. <i>Chemistry Central Journal</i> , <b>2013</b> , 7, 114		25

29	Continuous 2-keto-gluconic acid (2KGA) production from corn starch hydrolysate by <i>Pseudomonas fluorescens</i> AR4. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 77, 97-102	4.2	20
28	Ultrasound-assisted lipase-catalyzed synthesis of D-isoascorbyl palmitate: process optimization and Kinetic evaluation. <i>Chemistry Central Journal</i> , <b>2013</b> , 7, 180		18
27	Purification and partial characterization of a novel anti-tumor glycoprotein from cultured mycelia of <i>Grifola frondosa</i> . <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 684-690	7.9	30
26	Continuous conversion of rice starch hydrolysate to 2-keto-D-gluconic acid by <i>Arthrobacter globiformis</i> C224. <i>Biotechnology and Bioprocess Engineering</i> , <b>2013</b> , 18, 709-714	3.1	11
25	Freeze-Drying of Glycoprotein GFPS1b from <i>Grifola frondosa</i> GF9801: Drying Kinetics, Functional, Conformational, and Topographical Changes. <i>Drying Technology</i> , <b>2013</b> , 31, 1611-1618	2.6	3
24	Semi-continuous production of 2-keto-gluconic acid by <i>Pseudomonas fluorescens</i> AR4 from rice starch hydrolysate. <i>Bioresource Technology</i> , <b>2012</b> , 110, 546-51	11	32
23	Transesterification of Rapeseed Oil to Biodiesel on CaO/Fe Hollow Fiber Catalyst: Optimization by Response Surface Methodology. <i>Bioenergy Research</i> , <b>2012</b> , 5, 949-957	3.1	16
22	A novel bacteriophage KSL-1 of 2-Keto-gluconic acid producer <i>Pseudomonas fluorescens</i> K1005: isolation, characterization and its remedial action. <i>BMC Microbiology</i> , <b>2012</b> , 12, 127	4.5	29
21	Co-production of Lactic Acid and <i>Lactobacillus rhamnosus</i> Cells from Whey Permeate with Nutrient Supplements. <i>Food and Bioprocess Technology</i> , <b>2012</b> , 5, 1278-1286	5.1	18
20	Optimization of Xylanase production from <i>Penicillium</i> sp.WX-Z1 by a two-step statistical strategy: Plackett-Burman and Box-Behnken experimental design. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 10630-46	6.3	42
19	Effect of superfine grinding on antidiabetic activity of bitter melon powder. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 14203-18	6.3	27
18	EFFECT OF ULTRAHIGH PRESSURE TREATMENT ON VOLATILE COMPOUNDS IN GARLIC. <i>Journal of Food Process Engineering</i> , <b>2011</b> , 34, 1915-1930	2.4	23
17	Lactic acid production from corn stover using mixed cultures of <i>Lactobacillus rhamnosus</i> and <i>Lactobacillus brevis</i> . <i>Bioresource Technology</i> , <b>2011</b> , 102, 1831-6	11	99
16	Simultaneous identification and quantification of canrenone and 11-Hydroxy-canrenone by LC-MS and HPLC-UVD. <i>Journal of Biomedicine and Biotechnology</i> , <b>2011</b> , 2011, 917232		7
15	Production of Value-Added Products by Lactic Acid Bacteria <b>2010</b> , 421-435		1
14	Microbial Lactic Acid Production from Renewable Resources <b>2010</b> , 211-228		11
13	Production of mycelial biomass and exo-polymer by <i>Herichium erinaceus</i> CZ-2: Optimization of nutrients levels using response surface methodology. <i>Biotechnology and Bioprocess Engineering</i> , <b>2010</b> , 15, 299-307	3.1	14
12	Optimization of fermentation conditions for production of xylanase by a newly isolated strain, <i>Penicillium thiersii</i> ZH-19. <i>World Journal of Microbiology and Biotechnology</i> , <b>2009</b> , 25, 721-725	4.4	15

11	Isolation and identification of a newly isolated <i>Alternaria</i> sp. ND-16 and characterization of xylanase. <i>Applied Biochemistry and Biotechnology</i> , <b>2009</b> , 157, 36-49	3.2	4
10	Production of octenyl succinic anhydride-modified waxy corn starch and its characterization. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 11499-506	5.7	102
9	Effect of FeSO <sub>4</sub> treatment on glucose metabolism in diabetic rats. <i>BioMetals</i> , <b>2008</b> , 21, 685-91	3.4	2
8	Kinetic Study of Humic Acid Ozonation in Aqueous Media. <i>Clean - Soil, Air, Water</i> , <b>2008</b> , 36, 893-899	1.6	9
7	Statistical optimization of xylanase production from new isolated <i>Penicillium oxalicum</i> ZH-30 in submerged fermentation. <i>Biochemical Engineering Journal</i> , <b>2007</b> , 34, 82-86	4.2	52
6	Improvement of xylanase production by <i>Penicillium oxalicum</i> ZH-30 using response surface methodology. <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 40, 1381-1388	3.8	110
5	Isolation and identification of a novel <i>Rhodococcus</i> sp. ML-0004 producing epoxide hydrolase and optimization of enzyme production. <i>Process Biochemistry</i> , <b>2007</b> , 42, 889-894	4.8	24
4	Application of Plackett-Burman experimental design and Doehlert design to evaluate nutritional requirements for xylanase production by <i>Alternaria mali</i> ND-16. <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 77, 285-91	5.7	24
3	Production of xylanase from a newly isolated <i>Penicillium</i> sp. ZH-30. <i>World Journal of Microbiology and Biotechnology</i> , <b>2007</b> , 23, 837-843	4.4	14
2	Induction of apoptosis in SGC-7901 cells by polysaccharide-peptide GFPS1b from the cultured mycelia of <i>Grifola frondosa</i> GF9801. <i>Toxicology in Vitro</i> , <b>2007</b> , 21, 417-27	3.6	52
1	A myxobacterium strain <i>Sorangium cellulosum</i> AHB125 producing epothilone B and other anticancer substances. <i>Natural Product Research</i> , <b>2007</b> , 21, 1256-65	2.3	2