

Fu-Li Li

List of Publications by Year in descending order

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papers

3,705
citations

126907

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docs citations

96
times ranked

4344
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Analysis of CRISPR-Cas9 Editing Outcomes in Yeast <i>Xanthophyllomyces dendrorhous</i> . CRISPR Journal, 2022, 5, 558-570.	2.9	2
2	<i>GATA</i> transcription factor <i>WC2</i> regulates the biosynthesis of astaxanthin in yeast <i>Xanthophyllomyces dendrorhous</i> . Microbial Biotechnology, 2022, 15, 2578-2593.	4.2	3
3	Community Composition and Co-Occurrence Patterns of Diazotrophs along a Soil Profile in Paddy Fields of Three Soil Types in China. Microbial Ecology, 2021, 82, 961-970.	2.8	17
4	Rapid Sorting of Fucoxanthin-Producing <i>Phaeodactylum tricornutum</i> Mutants by Flow Cytometry. Marine Drugs, 2021, 19, 228.	4.6	12
5	Structural basis for the exolytic activity of polysaccharide lyase family 6 alginate lyase BcAlyPL6 from human gut microbe <i>Bacteroides clarus</i> . Biochemical and Biophysical Research Communications, 2021, 547, 111-117.	2.1	9
6	Expression of the <i>Vitreoscilla</i> hemoglobin gene in <i>Nannochloropsis oceanica</i> regulates intracellular oxygen balance under high-light. Journal of Photochemistry and Photobiology B: Biology, 2021, 221, 112237.	3.8	4
7	A Heterodimeric Reduced-Ferredoxin-Dependent Methylenetetrahydrofolate Reductase from Syngas-Fermenting <i>Clostridium ljungdahlii</i> . Microbiology Spectrum, 2021, 9, e0095821.	3.0	6
8	Editorial: Bioconversion and Biorefinery of C1 Compounds. Frontiers in Microbiology, 2021, 12, 778962.	3.5	1
9	Biofuel and chemical production from carbon one industry flux gas by acetogenic bacteria. Advances in Applied Microbiology, 2021, 117, 1-34.	2.4	2
10	Recent advances of metabolic engineering strategies in natural isoprenoid production using cell factories. Natural Product Reports, 2020, 37, 80-99.	10.3	92
11	Emerging technologies for the pretreatment of lignocellulosic materials for bio-based products. Applied Microbiology and Biotechnology, 2020, 104, 455-473.	3.6	56
12	Photoprotection capacity of microalgae improved by regulating the antenna size of light-harvesting complexes. Journal of Applied Phycology, 2020, 32, 1027-1039.	2.8	14
13	Prospects of China's biogas: Fundamentals, challenges and considerations. Energy Reports, 2020, 6, 2973-2987.	5.1	39
14	A two-stage anaerobic bioconversion of corn stover: Impact of pure bacterial pretreatment on methane production. Environmental Technology and Innovation, 2020, 20, 101141.	6.1	6
15	Ethanol Metabolism Dynamics in <i>Clostridium ljungdahlii</i> Grown on Carbon Monoxide. Applied and Environmental Microbiology, 2020, 86, .	3.1	24
16	Exploration of Two Pectate Lyases from <i>Caldicellulosiruptor bescii</i> Reveals that the CBM66 Module Has a Crucial Role in Pectic Biomass Degradation. Applied and Environmental Microbiology, 2020, 86, .	3.1	7
17	Energy Conservation and Carbon Flux Distribution During Fermentation of CO or H ₂ /CO ₂ by <i>Clostridium ljungdahlii</i> . Frontiers in Microbiology, 2020, 11, 416.	3.5	35
18	Biochemical Degradation of Chitosan over Immobilized Cellulase and Supported Fenton Catalysts. Catalysts, 2020, 10, 604.	3.5	5

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19	Common problems associated with the microbial productions of aromatic compounds and corresponding metabolic engineering strategies. <i>Biotechnology Advances</i> , 2020, 41, 107548.	11.7	34
20	Combinations of alkaline hydrogen peroxide and lithium chloride/N,N-dimethylacetamide pretreatments of corn stalk for improved biomethanation. <i>Environmental Research</i> , 2020, 186, 109563.	7.5	9
21	The molecular basis of endolytic activity of a multidomain alginate lyase from <i>DeFluviitalea phaphyphila</i> , a representative of a new lyase family, PL39. <i>Journal of Biological Chemistry</i> , 2019, 294, 18077-18091.	3.4	37
22	Selectable marker recycling in the nonconventional yeast <i>Xanthophyllomyces dendrorhous</i> by transient expression of Cre on a genetically unstable vector. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 963-971.	3.6	14
23	Characterization of 3-ketoacyl-coA synthase in a nervonic acid producing oleaginous microalgae <i>Mychonastes afer</i> . <i>Algal Research</i> , 2018, 31, 225-231.	4.6	39
24	Biosynthesis of nervonic acid and perspectives for its production by microalgae and other microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3027-3035.	3.6	41
25	Processive Degradation of Crystalline Cellulose by a Multimodular Endoglucanase via a Wirewalking Mode. <i>Biomacromolecules</i> , 2018, 19, 1686-1696.	5.4	40
26	Substitution of one calcium-binding amino acid strengthens substrate binding in a thermophilic alginate lyase. <i>FEBS Letters</i> , 2018, 592, 369-379.	2.8	12
27	Cell permeability and nuclear DNA staining by propidium iodide in basidiomycetous yeasts. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4183-4191.	3.6	35
28	Ammonium, nitrate, and urea play different roles for lipid accumulation in the nervonic acid-producing microalgae <i>Mychonastes afer</i> HSO-3-1. <i>Journal of Applied Phycology</i> , 2018, 30, 793-801.	2.8	16
29	Thermophilic Cellulolytic Enzymes: From Discovery to Design. , 2018, , 167-185.		0
30	Naphthylacetic Acid and Tea Polyphenol Application Promote Biomass and Lipid Production of Nervonic Acid-Producing Microalgae. <i>Frontiers in Plant Science</i> , 2018, 9, 506.	3.6	12
31	A Rapid Method for the Determination of Fucoxanthin in Diatom. <i>Marine Drugs</i> , 2018, 16, 33.	4.6	52
32	Modulation of the Acetone/Butanol Ratio during Fermentation of Corn Stover-Derived Hydrolysate by <i>Clostridium beijerinckii</i> Strain NCIMB 8052. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	14
33	Two Distinct β -Arabinofuranosidases in <i>Caldicellulosiruptor</i> Species Drive Degradation of Arabinose-Based Polysaccharides. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	16
34	Lipid accumulation and anti-rotifer robustness of microalgal strains isolated from Eastern China. <i>Journal of Applied Phycology</i> , 2017, 29, 2789-2800.	2.8	12
35	Structural insights into the substrate specificity of a glycoside hydrolase family 5 lichenase from <i>Caldicellulosiruptor</i> sp. F32. <i>Biochemical Journal</i> , 2017, 474, 3373-3389.	3.7	17
36	Biochemical Characterization and Substrate Degradation Mode of a Novel Exotype β -Agarase from <i>Agarivorans gilvus</i> WH0801. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7982-7988.	5.2	28

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37	Synergistic Cellulose Hydrolysis Dominated by a Multi-Modular Processive Endoglucanase from <i>Clostridium cellulosi</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 932.	3.5	27
38	Photosynthetic Effect in <i>Selenastrum capricornutum</i> Progeny after Carbon-Ion Irradiation. <i>PLoS ONE</i> , 2016, 11, e0149381.	2.5	5
39	Putative methyltransferase <i>LaeA</i> and transcription factor <i>CreA</i> are necessary for proper asexual development and controlling secondary metabolic gene cluster expression. <i>Fungal Genetics and Biology</i> , 2016, 94, 32-46.	2.1	35
40	Direct bioconversion of brown algae into ethanol by thermophilic bacterium <i>Defluviitalea phaphyphila</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 81.	6.2	62
41	Bioremediation of wastewater from edible oil refinery factory using oleaginous microalga <i>Desmodesmus</i> sp. S1. <i>International Journal of Phytoremediation</i> , 2016, 18, 1195-1201.	3.1	16
42	Engineering a natural <i>Saccharomyces cerevisiae</i> strain for ethanol production from inulin by consolidated bioprocessing. <i>Biotechnology for Biofuels</i> , 2016, 9, 96.	6.2	35
43	A one-step bioprocess for production of high-content fructo-oligosaccharides from inulin by yeast. <i>Carbohydrate Polymers</i> , 2016, 151, 1220-1226.	10.2	34
44	Determination of the modes of action and synergies of xylanases by analysis of xylooligosaccharide profiles over time using fluorescence-assisted carbohydrate electrophoresis. <i>Electrophoresis</i> , 2016, 37, 1640-1650.	2.4	31
45	Characterization of a thermostable endo-1,3(4)- β -glucanase from <i>Caldicellulosiruptor</i> sp. strain F32 and its application for yeast lysis. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4923-4934.	3.6	13
46	<i>Defluviitalea phaphyphila</i> sp. nov., a Novel Thermophilic Bacterium That Degrades Brown Algae. <i>Applied and Environmental Microbiology</i> , 2016, 82, 868-877.	3.1	43
47	Spontaneous large-scale autolysis in <i>Clostridium acetobutylicum</i> contributes to generation of more spores. <i>Frontiers in Microbiology</i> , 2015, 6, 950.	3.5	14
48	<i>Brassicibacter thermophilus</i> sp. nov., a thermophilic bacterium isolated from coastal sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2870-2874.	1.7	13
49	Distinct Roles for Carbohydrate-Binding Modules of Glycoside Hydrolase 10 (GH10) and GH11 Xylanases from <i>Caldicellulosiruptor</i> sp. Strain F32 in Thermostability and Catalytic Efficiency. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2006-2014.	3.1	52
50	Characterization of an acetoin reductase/2,3-butanediol dehydrogenase from <i>Clostridium ljungdahlii</i> DSM 13528. <i>Enzyme and Microbial Technology</i> , 2015, 79-80, 1-7.	3.2	17
51	Comparative transcriptome analysis between <i>csrA</i> -disruption <i>Clostridium acetobutylicum</i> and its parent strain. <i>Molecular BioSystems</i> , 2015, 11, 1434-1442.	2.9	34
52	Depiction of carbohydrate-active enzyme diversity in <i>Caldicellulosiruptor</i> sp. F32 at the genome level reveals insights into distinct polysaccharide degradation features. <i>Molecular BioSystems</i> , 2015, 11, 3164-3173.	2.9	17
53	Complete genome sequence of <i>Mycobacterium goodii</i> X7B, a facultative thermophilic biodesulfurizing bacterium with industrial potential. <i>Journal of Biotechnology</i> , 2015, 212, 56-57.	3.8	12
54	Physiological response of <i>Clostridium ljungdahlii</i> DSM 13528 of ethanol production under different fermentation conditions. <i>Bioresource Technology</i> , 2015, 177, 302-307.	9.6	35

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55	Dysgonomonas macrotermis sp. nov., isolated from the hindgut of a fungus-growing termite. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2956-2961.	1.7	74
56	Lipid Production by a CO ₂ -Tolerant Green Microalga, Chlorella sp. MRA-1. Journal of Microbiology and Biotechnology, 2014, 24, 683-689.	2.1	7
57	Synergism of Glycoside Hydrolase Secretomes from Two Thermophilic Bacteria Cocultivated on Lignocellulose. Applied and Environmental Microbiology, 2014, 80, 2592-2601.	3.1	23
58	Characterization of two novel butanol dehydrogenases involved in butanol degradation in syngas-utilizing bacterium <i>Clostridium ljungdahlii</i> DSM 13528. Journal of Basic Microbiology, 2014, 54, 996-1004.	3.3	19
59	RNA-seq-based comparative transcriptome analysis of the syngas-utilizing bacterium <i>Clostridium ljungdahlii</i> DSM 13528 grown autotrophically and heterotrophically. Molecular BioSystems, 2013, 9, 2775.	2.9	53
60	Expression of exoinulinase genes in <i>Saccharomyces cerevisiae</i> to improve ethanol production from inulin sources. Biotechnology Letters, 2013, 35, 1589-1592.	2.2	7
61	Organisms for Biofuel Production: Natural Bioresources and Methodologies for Improving Their Biosynthetic Potentials. Advances in Biochemical Engineering/Biotechnology, 2013, 147, 185-224.	1.1	5
62	An extremely thermophilic anaerobic bacterium <i>Caldicellulosiruptor</i> sp. F32 exhibits distinctive properties in growth and xylanases during xylan hydrolysis. Enzyme and Microbial Technology, 2013, 53, 194-199.	3.2	31
63	Evaluation of <i>Clostridium ljungdahlii</i> DSM 13528 reference genes in gene expression studies by qRT-PCR. Journal of Bioscience and Bioengineering, 2013, 116, 460-464.	2.2	34
64	Improved ethanol fermentation by heterologous endoinulinase and inherent invertase from inulin by <i>Saccharomyces cerevisiae</i> . Bioresource Technology, 2013, 139, 402-405.	9.6	22
65	Enhanced Lipid Productivity and Photosynthesis Efficiency in a <i>Desmodesmus</i> sp. Mutant Induced by Heavy Carbon Ions. PLoS ONE, 2013, 8, e60700.	2.5	43
66	Invertase SUC2 Is the Key Hydrolase for Inulin Degradation in <i>Saccharomyces cerevisiae</i> . Applied and Environmental Microbiology, 2013, 79, 403-406.	3.1	33
67	An untapped bacterial cellulolytic community enriched from coastal marine sediment under anaerobic and thermophilic conditions. FEMS Microbiology Letters, 2012, 335, 39-46.	1.8	17
68	Butanol production from corncob residue using <i>Clostridium beijerinckii</i> NCIMB 8052. Letters in Applied Microbiology, 2012, 55, 240-246.	2.2	72
69	A Novel Dextran Dextrinase from <i>Gluconobacter oxydans</i> DSM-2003: Purification and Properties. Applied Biochemistry and Biotechnology, 2012, 168, 1256-1264.	2.9	9
70	Purification and characterization of a novel extracellular inulinase from a new yeast species <i>Candida kutaonensis</i> sp. nov. KRF1T. Applied Microbiology and Biotechnology, 2012, 96, 1517-1526.	3.6	26
71	Thermotolerant <i>Kluyveromyces marxianus</i> and <i>Saccharomyces cerevisiae</i> strains representing potentials for bioethanol production from Jerusalem artichoke by consolidated bioprocessing. Applied Microbiology and Biotechnology, 2012, 95, 1359-1368.	3.6	88
72	Effects of Light Intensity on the Growth and Lipid Accumulation of Microalga <i>Scenedesmus</i> sp. 11-1 Under Nitrogen Limitation. Applied Biochemistry and Biotechnology, 2012, 166, 2127-2137.	2.9	141

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73	Purification and characterization of a flavin reductase from the biodesulfurizing bacterium <i>Mycobacterium goodii</i> X7B. <i>Process Biochemistry</i> , 2012, 47, 1144-1149.	3.7	7
74	Novel organic solvent-responsive expression vectors for biocatalysis: Application for development of an organic solvent-tolerant biodesulfurizing strain. <i>Bioresource Technology</i> , 2011, 102, 9380-9387.	9.6	25
75	Isolation and characterization of a chromium-resistant bacterium <i>Serratia</i> sp. Cr-10 from a chromate-contaminated site. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1163-1169.	3.6	59
76	Characterization of a novel dextran produced by <i>Gluconobacter oxydans</i> DSM 2003. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 287-294.	3.6	16
77	<i>Mychonastes afer</i> HSO-3-1 as a potential new source of biodiesel. <i>Biotechnology for Biofuels</i> , 2011, 4, 47.	6.2	53
78	Butanol production by <i>Clostridium beijerinckii</i> ATCC 55025 from wheat bran. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 495-501.	3.0	170
79	<i>Candida laoshanensis</i> sp. nov. and <i>Candida qingdaonensis</i> sp. nov., anamorphic, ascomycetous yeast species isolated from decayed wood. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1697-1701.	1.7	17
80	Recent Developments in Biodesulfurization of Fossil Fuels. , 2009, 113, 255-274.		15
81	The genome of <i>Clostridium kluyveri</i> , a strict anaerobe with unique metabolic features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2128-2133.	7.1	409
82	Coupled Ferredoxin and Crotonyl Coenzyme A (CoA) Reduction with NADH Catalyzed by the Butyryl-CoA Dehydrogenase/Etf Complex from <i>Clostridium kluyveri</i> . <i>Journal of Bacteriology</i> , 2008, 190, 843-850.	2.2	379
83	Re -Citrate Synthase from <i>Clostridium kluyveri</i> Is Phylogenetically Related to Homocitrate Synthase and Isopropylmalate Synthase Rather Than to Si -Citrate Synthase. <i>Journal of Bacteriology</i> , 2007, 189, 4299-4304.	2.2	63
84	Biodesulfurization of DBT in tetradecane and crude oil by a facultative thermophilic bacterium <i>Mycobacterium goodii</i> X7B. <i>Journal of Biotechnology</i> , 2007, 127, 222-228.	3.8	74
85	Simultaneous Biodegradation of S, N, and O Pollutants by Engineering of a Carbazole-Degrading Gene Cassette in a Recombinant Biocatalyst. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7373-7376.	3.1	21
86	Selective Biodegradation of S and N Heterocycles by a Recombinant <i>Rhodococcus erythropolis</i> Strain Containing Carbazole Dioxygenase. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2235-2238.	3.1	33
87	Microbial degradation of sulfur, nitrogen and oxygen heterocycles. <i>Trends in Microbiology</i> , 2006, 14, 398-405.	7.7	148
88	Degradation of carbazole and its derivatives by a <i>Pseudomonas</i> sp.. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 941-948.	3.6	38
89	Microbial Desulfurization of Gasoline in a <i>Mycobacterium goodii</i> X7B Immobilized-Cell System. <i>Applied and Environmental Microbiology</i> , 2005, 71, 276-281.	3.1	85
90	Deep desulfurization of hydrodesulfurization-treated diesel oil by a facultative thermophilic bacterium <i>Mycobacterium</i> sp. X7B. <i>FEMS Microbiology Letters</i> , 2003, 223, 301-307.	1.8	100

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91	Biodesulfurization of Dibenzothiophene by a Newly Isolated Bacterium Mycobacterium sp. X7B. Journal of Chemical Engineering of Japan, 2003, 36, 1174-1177.	0.6	15
92	Preparation of microbial desulfurization catalysts. Science Bulletin, 2002, 47, 1077.	1.7	6
93	Microbial desulfurization of fuel oil. Science Bulletin, 2002, 47, 365.	1.7	7