

Xiao-Feng Li

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.

47
papers

555
citations

12
h-index

21
g-index

49
ext. papers

689
ext. citations

5.6
avg, IF

3.86
L-index

#	Paper	IF	Citations
47	In vitro absorption and lipid-lowering activity of baicalin esters synthesized by whole-cell catalyzed esterification.. <i>Bioorganic Chemistry</i> , 2022 , 120, 105628	5.1	1
46	Fabrication of a 2,6-diaminopurine-grafted cellulose nanocrystal composite with high proton conductivity. <i>Cellulose</i> , 2022 , 29, 2371	5.5	1
45	Evaluation of <i>Cronobacter sakazakii</i> biofilm formation after sdiA knockout in different osmotic pressure conditions.. <i>Food Research International</i> , 2022 , 151, 110886	7	0
44	The root-like chitosan nanofiber porous scaffold cross-linked by genipin with type I collagen and its osteoblast compatibility.. <i>Carbohydrate Polymers</i> , 2022 , 285, 119255	10.3	0
43	Comparative transcriptomics to reveal the mechanism of enhanced catalytic activities of <i>Aspergillus niger</i> whole-cells cultured with different inducers in hydrolysis of citrus flavonoids. <i>Food Research International</i> , 2022 , 156, 111344	7	
42	Preparation of High Mechanical Strength Chitosan Nanofiber/NanoSiO ₂ /PVA Composite Scaffolds for Bone Tissue Engineering Using Sol-Gel Method. <i>Polymers</i> , 2022 , 14, 2083	4.5	0
41	Biocatalytic Acyl-Modification of Puerarin: Shape Gut Microbiota Profile and Improve Short Chain Fatty Acids Production in Rats. <i>Plant Foods for Human Nutrition</i> , 2021 , 1	3.9	0
40	Green synthesis of puerarin acid esters and their oral absorption evaluation in vivo. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 67, 102882	4.5	0
39	Efficient Enzymatic Synthesis of Lipophilic Phenolic Glycoside Azelaic Acid Esters and Their Depigmenting Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 13102-13112	5.7	1
38	Antityrosinase Mechanism and Antimelanogenic Effect of Arbutin Esters Synthesis Catalyzed by Whole-Cell Biocatalyst. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 4243-4252	5.7	7
37	Organic Solvent-Free Preparation of Chitosan Nanofibers with High Specific Surface Charge and Their Application in Biomaterials. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12347-12358	9.5	4
36	Highly efficient whole-cell biosynthesis and cytotoxicity of esculin esters. <i>Journal of Biotechnology</i> , 2021 , 337, 46-56	3.7	2
35	Evaluation of the digestion and transport profiles and potential immunocompetence of puerarin and its acylated derivatives. <i>Food and Function</i> , 2021 , 12, 5949-5958	6.1	3
34	One-pot biocatalytic synthesis and antioxidant activities of highly lipophilic naringin derivatives by using bi-functional whole-cells. <i>Food Research International</i> , 2020 , 136, 109291	7	2
33	Fabrication of highly proton-conductive chitosan whole-bio-membrane materials functionalized with adenine and adenosine monophosphate. <i>Green Chemistry</i> , 2020 , 22, 2426-2433	10	7
32	Global transcriptomic analysis of <i>Cronobacter sakazakii</i> CICC 21544 by RNA-seq under inorganic acid and organic acid stresses. <i>Food Research International</i> , 2020 , 130, 108963	7	10
31	Whole-Cell-Catalyzed Synthesis of Phenolic Glycoside Esters, and Their Antioxidant and Antimelanogenic Properties. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16591-16602	3.9	5

30	Highly efficient bioconversion of flavonoid glycosides from citrus-processing wastes in solvent-buffer systems. <i>Green Chemistry</i> , 2020 , 22, 3196-3207	10	8
29	Biocatalytic Synthesis of Lipophilic Baicalin Derivatives as Antimicrobial Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 11684-11693	5.7	8
28	Efficient acylation of gastrodin by whole-cells in non-aqueous media.. <i>RSC Advances</i> , 2019 , 9, 16701-16712	3.7	5
27	Whole-Cell Catalytic Synthesis of Puerarin Monoesters and Analysis of Their Antioxidant Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 299-307	5.7	12
26	Molecular monitoring of disinfection efficacy of E. coli O157:H7 in bottled purified drinking water by quantitative PCR with a novel dye. <i>Journal of Food Processing and Preservation</i> , 2019 , 43, e13875	2.1	5
25	Highly efficient synthesis of arbutin esters catalyzed by whole cells of .. <i>RSC Advances</i> , 2018 , 8, 10081-10088	3.7	9
24	Two novel polysaccharides from the torus of <i>Saussurea laniceps</i> protect against AAPH-induced oxidative damage in human erythrocytes. <i>Carbohydrate Polymers</i> , 2018 , 200, 446-455	10.3	16
23	Biocatalytic synthesis of acylated derivatives of troxerutin: their bioavailability and antioxidant properties in vitro. <i>Microbial Cell Factories</i> , 2018 , 17, 130	6.4	17
22	Structural Characterization of a Novel Polysaccharide from <i>Lepidium meyenii</i> (Maca) and Analysis of Its Regulatory Function in Macrophage Polarization in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 1146-1157	5.7	67
21	A one-pot method for lipase-catalyzed synthesis of chitosan palmitate in mixed ionic liquids and its characterization. <i>Biochemical Engineering Journal</i> , 2017 , 126, 24-29	4.2	5
20	Facile and Efficient Acylation of Bioflavonoids Using Whole-Cell Biocatalysts in Organic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 10662-10672	8.3	12
19	Cellular Transport of Esculin and Its Acylated Derivatives in Caco-2 Cell Monolayers and Their Antioxidant Properties in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 7424-7432	5.7	18
18	Facile one-pot fabrication of cellulose nanocrystals and enzymatic synthesis of its esterified derivative in mixed ionic liquids. <i>RSC Advances</i> , 2017 , 7, 27017-27023	3.7	16
17	Lipase-catalyzed synthesis of long-chain cellulose esters using ionic liquid mixtures as reaction media. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 1203-1210	3.5	11
16	Real-Time TaqMan PCR for Rapid Detection and Quantification of Coliforms in Chilled Meat. <i>Food Analytical Methods</i> , 2016 , 9, 813-822	3.4	6
15	Regulation of the Phenylpropanoid Pathway: A Mechanism of Selenium Tolerance in Peanut (<i>Arachis hypogaea</i> L.) Seedlings. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 3626-35	5.7	25
14	Antioxidant Mechanism of Betaine without Free Radical Scavenging Ability. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 7921-7930	5.7	63
13	A new, efficient and highly-regioselective approach to synthesis of 6-O-propionyl-d-glucose by using whole-cell biocatalysts. <i>Biochemical Engineering Journal</i> , 2015 , 95, 56-61	4.2	10

12	Enhancing Asymmetric Reduction of 3-Chloropropiophenone with Immobilized <i>Acetobacter</i> sp. CCTCC M209061 Cells by Using Deep Eutectic Solvents as Cosolvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 718-724	8.3	52
11	Purification and characterization of high antioxidant peptides from duck egg white protein hydrolysates. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 452, 888-94	3.4	45
10	Isolation and identification of a novel anticoagulant peptide from enzymatic hydrolysates of scorpion (<i>Buthus martensii</i> Karsch) protein. <i>Food Research International</i> , 2014 , 64, 931-938	7	23
9	Regioselective synthesis of cytarabine monopropionate by using a fungal whole-cell biocatalyst in nonaqueous medium. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 3377-80	2.9	10
8	Using ionic liquids in whole-cell biocatalysis for the nucleoside acylation. <i>Microbial Cell Factories</i> , 2014 , 13, 143	6.4	12
7	Influence of organic solvents on catalytic behaviors and cell morphology of whole-cell biocatalysts for synthesis of 5-urabinocytosine laurate. <i>PLoS ONE</i> , 2014 , 9, e104847	3.7	6
6	A facile whole-cell biocatalytic approach to regioselective synthesis of monoacylated 1- β -D-arabinofuranosylcytosine: influence of organic solvents. <i>Bioresource Technology</i> , 2012 , 114, 6-11	11	14
5	A novel biocatalytic approach to acetylation of 1- β -D-arabinofuranosylcytosine by <i>Aspergillus oryzae</i> whole cell in organic solvents. <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 143-50	5.7	9
4	Highly regioselective enzymatic synthesis of 5- α -stearate of 1- β -D-arabinofuranosylcytosine in binary organic solvent mixtures. <i>Applied Microbiology and Biotechnology</i> , 2010 , 88, 57-63	5.7	14
3	Application of organic solvent system for lipase-catalyzed regioselective benzoylation of 1- β -D-arabinofuranosylcytosine. <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 608-613	3.1	5
2	Efficient synthesis of 5- α -laurate of 1- β -D-arabinofuranosylcytosine via highly regioselective enzymatic acylation in binary solvent mixtures. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 4125-9	2.9	7
1	Colorimetric sensor based on peroxidase-like activity of chitosan coated on magnetic nanoparticles for rapid detection of the total bacterial count in raw milk. <i>European Food Research and Technology</i> , 2010 , 30, 100-105	3.4	0