

Jia Liu

List of Publications by Year in descending order

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81
papers

10,068
citations

279487

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58464

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docs citations

92
times ranked

18329
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of Usaramine and its N-Oxide Metabolite in Rat Plasma Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2022, 46, 512-518.	1.7	1
2	Improving succinate production by engineering oxygen-dependent dynamic pathway regulation in <i>Escherichia coli</i> . <i>Systems Microbiology and Biomanufacturing</i> , 2022, 2, 331-344.	1.5	4
3	Efficient discovery of potential inhibitors for SARS-CoV-2 3C-like protease from herbal extracts using a native MS-based affinity-selection method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 209, 114538.	1.4	18
4	Sphingomyelin-Sequestered Cholesterol Domain Recruits Formin-Binding Protein 17 for Constricting Clathrin-Coated Pits in Influenza Virus Entry. <i>Journal of Virology</i> , 2022, 96, JVI0181321.	1.5	6
5	In vitro and in vivo efficacy of a novel nucleoside analog H44 against Crimean-Congo hemorrhagic fever virus. <i>Antiviral Research</i> , 2022, 199, 105273.	1.9	9
6	Development and validation of a liquid chromatography-tandem mass spectrometry method for simultaneous quantification of medium- and long-chain saturated fatty acids in hamster plasma samples. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9280.	0.7	2
7	Development and validation of an LC-MS/MS method for simultaneous determination of remdesivir and its hydrolyzed metabolite and nucleoside, and its application in a pharmacokinetic study of normal and diabetic nephropathy mice. <i>Biomedical Chromatography</i> , 2022, 36, e5380.	0.8	1
8	Enhancing tryptophan production by balancing precursors in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2022, 119, 983-993.	1.7	17
9	Establishment of Human Pluripotent Stem Cell-Derived Skin Organoids Enabled Pathophysiological Model of SARS-CoV-2 Infection. <i>Advanced Science</i> , 2022, 9, e2104192.	5.6	18
10	Potent Anti-SARS-CoV-2 Efficacy of COVID-19 Hyperimmune Globulin from Vaccinated Immunized Plasma. <i>Advanced Science</i> , 2022, 9, e2104333.	5.6	8
11	Production of phenylpyruvic acid by engineered l-amino acid deaminase from <i>Proteus mirabilis</i> . <i>Biotechnology Letters</i> , 2022, 44, 635-642.	1.1	3
12	SLC1A1-mediated cellular and mitochondrial influx of R-2-hydroxyglutarate in vascular endothelial cells promotes tumor angiogenesis in IDH1-mutant solid tumors. <i>Cell Research</i> , 2022, 32, 638-658.	5.7	19
13	Rational Design of Phospholipase D to Improve the Transphosphatidylation Activity for Phosphatidylserine Synthesis. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6709-6718.	2.4	5
14	Pharmacokinetics and tissue distribution of remdesivir and its metabolites nucleotide monophosphate, nucleotide triphosphate, and nucleoside in mice. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1195-1200.	2.8	40
15	Chassis engineering of <i>Escherichia coli</i> for trans-4-hydroxy-L-proline production. <i>Microbial Biotechnology</i> , 2021, 14, 392-402.	2.0	6
16	Enzymatic production of trans-4-hydroxy-L-proline by proline 4-hydroxylase. <i>Microbial Biotechnology</i> , 2021, 14, 479-487.	2.0	5
17	Challenges and stepwise fit-for-purpose optimization for bioanalyses of remdesivir metabolites nucleotide monophosphate and triphosphate in mouse tissues using LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113806.	1.4	9
18	Clinical application of pyrrole-hemoglobin adducts as a biomarker of pyrrolizidine alkaloid exposure in humans. <i>Archives of Toxicology</i> , 2021, 95, 759-765.	1.9	22

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19	One-Pot Enzymatic "Chemical Cascade Route for Synthesizing Aromatic α -Hydroxy Ketones. ACS Catalysis, 2021, 11, 2808-2818.	5.5	10
20	Differential Cell Line Susceptibility to Crimean-Congo Hemorrhagic Fever Virus. Frontiers in Cellular and Infection Microbiology, 2021, 11, 648077.	1.8	15
21	A novel low systemic diacylglycerol acyltransferase 1 inhibitor, Yhu2407, improves lipid metabolism. European Journal of Pharmaceutical Sciences, 2021, 158, 105683.	1.9	7
22	Establishment of a Reverse Genetic System of Severe Fever with Thrombocytopenia Syndrome Virus Based on a C4 Strain. Virologica Sinica, 2021, 36, 958-967.	1.2	8
23	Rapid isolation and immune profiling of SARS-CoV-2 specific memory B cell in convalescent COVID-19 patients via LIBRA-seq. Signal Transduction and Targeted Therapy, 2021, 6, 195.	7.1	45
24	Structural basis for SARS-CoV-2 neutralizing antibodies with novel binding epitopes. PLoS Biology, 2021, 19, e3001209.	2.6	31
25	Identification of pyrogallol as a warhead in design of covalent inhibitors for the SARS-CoV-2 3CL protease. Nature Communications, 2021, 12, 3623.	5.8	111
26	Blood Pyrrole "DNA Adducts Define the Early Tumorigenic Risk in Patients with Pyrrolizidine Alkaloid-Induced Liver Injury. Environmental Science and Technology Letters, 2021, 8, 551-557.	3.9	7
27	Efficient Synthesis of α -Phenylalanine from β -Phenylalanine via a Tri-Enzymatic Cascade Pathway. ChemCatChem, 2021, 13, 3165-3173.	1.8	6
28	Metabolomic Study of High-Fat Diet-Induced Obese (DIO) and DIO Plus CCl ₄ -Induced NASH Mice and the Effect of Obeticholic Acid. Metabolites, 2021, 11, 374.	1.3	6
29	Screening of potent neutralizing antibodies against SARS-CoV-2 using convalescent patients-derived phage-display libraries. Cell Discovery, 2021, 7, 57.	3.1	28
30	Simultaneous determination of monocrotaline and its N-oxide metabolite in rat plasma using LC-MS/MS: Application to a pharmacokinetic study. Biomedical Chromatography, 2021, 35, e5207.	0.8	1
31	Rational design of a highly efficient catalytic system for the production of PAPS from ATP and its application in the synthesis of chondroitin sulfate. Biotechnology and Bioengineering, 2021, 118, 4503-4515.	1.7	10
32	Qualitatively and quantitatively investigating the metabolism of 20(S)-protopanaxadiol-type ginsenosides by gut microbiota of different species. Biomedical Chromatography, 2021, 35, e5219.	0.8	1
33	CCD2 Access Tunnel Design for a Broader Substrate Profile in Crocetin Production. Journal of Agricultural and Food Chemistry, 2021, 69, 11626-11636.	2.4	10
34	Enhanced Catalytic Efficiency of α -Amino Acid Deaminase Achieved by a Shorter Hydride Transfer Distance. ChemCatChem, 2021, 13, 4557-4566.	1.8	7
35	A simultaneous identification and quantification strategy for determination of sulfhydryl-containing metabolites in normal- and high-fat diet hamsters using stable isotope labeling combined with LC-MS. Analytica Chimica Acta, 2021, 1184, 339016.	2.6	3
36	Engineering a CRISPRi Circuit for Autonomous Control of Metabolic Flux in <i>Escherichia coli</i> . ACS Synthetic Biology, 2021, 10, 2661-2671.	1.9	9

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37	Immobilization of Microbial Consortium for Glutaric Acid Production from Lysine. <i>ChemCatChem</i> , 2021, 13, 5047-5055.	1.8	6
38	Enzymatic Production of Ascorbic Acid-2-Phosphate by Engineered <i>Pseudomonas aeruginosa</i> Acid Phosphatase. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 14215-14221.	2.4	5
39	Efficient production of phenylpropionic acids by an amino group transformation biocatalytic cascade. <i>Biotechnology and Bioengineering</i> , 2020, 117, 614-625.	1.7	9
40	Engineering of membrane phospholipid component enhances salt stress tolerance in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2020, 117, 710-720.	1.7	27
41	Pathological changes in the lungs and lymphatic organs of 12 COVID-19 autopsy cases. <i>National Science Review</i> , 2020, 7, 1868-1878.	4.6	52
42	Infection of human sweat glands by SARS-CoV-2. <i>Cell Discovery</i> , 2020, 6, 84.	3.1	35
43	Open Gate of <i>Corynebacterium glutamicum</i> Threonine Deaminase for Efficient Synthesis of Bulky α -Keto Acids. <i>ACS Catalysis</i> , 2020, 10, 9994-10004.	5.5	36
44	Engineering the transmission efficiency of the noncyclic glyoxylate pathway for fumarate production in <i>Escherichia coli</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 132.	6.2	12
45	Anti-SARS-CoV-2 activities in vitro of Shuanghuanglian preparations and bioactive ingredients. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1167-1177.	2.8	314
46	Anti-SARS-CoV-2 Potential of Artemisinins In Vitro. <i>ACS Infectious Diseases</i> , 2020, 6, 2524-2531.	1.8	117
47	The triterpenoid sapogenin (2 β -OH-Protopanaxadiol) ameliorates metabolic syndrome via the intestinal FXR/GLP-1 axis through gut microbiota remodelling. <i>Cell Death and Disease</i> , 2020, 11, 770.	2.7	16
48	Comparative Antiviral Efficacy of Viral Protease Inhibitors against the Novel SARS-CoV-2 In Vitro. <i>Virologica Sinica</i> , 2020, 35, 776-784.	1.2	24
49	The anti-influenza virus drug, arbidol is an efficient inhibitor of SARS-CoV-2 in vitro. <i>Cell Discovery</i> , 2020, 6, 28.	3.1	249
50	Light-powered <i>Escherichia coli</i> cell division for chemical production. <i>Nature Communications</i> , 2020, 11, 2262.	5.8	51
51	Berberine and its structural analogs have differing effects on functional profiles of individual gut microbiomes. <i>Gut Microbes</i> , 2020, 11, 1348-1361.	4.3	30
52	Pathway engineering of <i>Escherichia coli</i> for α -ketoglutaric acid production. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2791-2801.	1.7	17
53	Hydroxychloroquine, a less toxic derivative of chloroquine, is effective in inhibiting SARS-CoV-2 infection in vitro. <i>Cell Discovery</i> , 2020, 6, 16.	3.1	1,643
54	Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. <i>Cell Research</i> , 2020, 30, 269-271.	5.7	5,527

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55	Differential distribution of characteristic constituents in root, stem and leaf tissues of <i>Salvia miltiorrhiza</i> using MALDI mass spectrometry imaging. <i>FA-toterap</i> , 2020, 146, 104679.	1.1	26
56	Engineering protonation conformation of <i>Aspartate</i> α - <i>Decarboxylase</i> to relieve mechanism-based inactivation. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1607-1614.	1.7	22
57	A rapid and convenient derivatization method for quantitation of short-chain fatty acids in human feces by ultra-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8730.	0.7	19
58	Engineering <i>Escherichia coli</i> lifespan for enhancing chemical production. <i>Nature Catalysis</i> , 2020, 3, 307-318.	16.1	61
59	Enhancement of Sphingolipid Synthesis Improves Osmotic Tolerance of <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	25
60	Quantification of microbiota-related phenols and aromatic acids in mouse feces of a diabetic nephropathy model by simultaneous BDAPE derivatization using ultra-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3241-3252.	1.9	4
61	γ -dehydrocholesterol suppresses melanoma cell proliferation and invasion via Akt1/NF κ B signaling. <i>Oncology Letters</i> , 2020, 20, 1-1.	0.8	4
62	Pretreatment with broad-spectrum antibiotics alters the pharmacokinetics of major constituents of Shaoyao-Gancao decoction in rats after oral administration. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 288-296.	2.8	17
63	Magnesium lithospermate B improves the gut microbiome and bile acid metabolic profiles in a mouse model of diabetic nephropathy. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 507-513.	2.8	33
64	Production of \pm -Ketoisocaproate and \pm -Keto α -Methylvalerate by Engineered α -Amino Acid Deaminase. <i>ChemCatChem</i> , 2019, 11, 2464-2472.	1.8	13
65	Promoter engineering of cascade biocatalysis for \pm -ketoglutaric acid production by coexpressing l-glutamate oxidase and catalase. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4755-4764.	1.7	22
66	DCEO Biotechnology: Tools To Design, Construct, Evaluate, and Optimize the Metabolic Pathway for Biosynthesis of Chemicals. <i>Chemical Reviews</i> , 2018, 118, 4-72.	23.0	141
67	Enhanced pyruvate production in <i>Candida glabrata</i> by overexpressing the CgAMD1 gene to improve acid tolerance. <i>Biotechnology Letters</i> , 2018, 40, 143-149.	1.1	7
68	Modification by α -d-glucan branching enzyme lowers the in vitro digestibility of starch from different sources. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1758-1764.	3.6	44
69	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. <i>Nature Medicine</i> , 2018, 24, 1919-1929.	15.2	632
70	Enhancement of Pyruvate Productivity in <i>Candida glabrata</i> by Deleting the CgADE13 Gene to Improve Acid Tolerance. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 573-579.	1.4	3
71	Asymmetric assembly of high-value α -functionalized organic acids using a biocatalytic chiral-group-resetting process. <i>Nature Communications</i> , 2018, 9, 3818.	5.8	46
72	Production of α -Alanine from Fumaric Acid Using a Dual-Enzyme Cascade. <i>ChemCatChem</i> , 2018, 10, 4984-4991.	1.8	39

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73	Enzymatic Production of Ascorbic Acid-2-phosphate by Recombinant Acid Phosphatase. Journal of Agricultural and Food Chemistry, 2017, 65, 4161-4166.	2.4	6
74	A two-stage temperature control strategy enhances extracellular secretion of recombinant Î±-cyclodextrin glucosyltransferase in Escherichia coli. AMB Express, 2017, 7, 165.	1.4	5
75	Phase II Multicenter, Randomized, Double-Blind Controlled Study of Efficacy and Safety of Umbilical Cord-Derived Mesenchymal Stromal Cells in the Prophylaxis of Chronic Graft-Versus-Host Disease After HLA-Haploidentical Stem-Cell Transplantation. Journal of Clinical Oncology, 2016, 34, 2843-2850.	0.8	131
76	Genome Sequencing of the Pyruvate-producing Strain Candida glabrata CCTCC M202019 and Genomic Comparison with Strain CBS138. Scientific Reports, 2016, 6, 34893.	1.6	13
77	Fumarate Production by Torulopsis glabrata: Engineering Heterologous Fumarase Expression and Improving Acid Tolerance. PLoS ONE, 2016, 11, e0164141.	1.1	8
78	Oleanolic acid inhibits proliferation and invasiveness of Kras-transformed cells via autophagy. Journal of Nutritional Biochemistry, 2014, 25, 1154-1160.	1.9	24
79	KfoE encodes a fructosyltransferase involved in capsular polysaccharide biosynthesis in Escherichia coli K4. Biotechnology Letters, 2014, 36, 1469-1477.	1.1	19
80	3D printing of intracranial artery stenosis based on the source images of magnetic resonance angiograph. Annals of Translational Medicine, 2014, 2, 74.	0.7	16
81	Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. , 0, .		1