

# Wenyun Lu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8036764/publications.pdf>

Version: 2024-02-01

33  
papers

4,984  
citations

236833

25  
h-index

377752

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

8394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucose feeds the TCA cycle via circulating lactate. <i>Nature</i> , 2017, 551, 115-118.	13.7	1,112
2	Separation and quantitation of water soluble cellular metabolites by hydrophilic interaction chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1125, 76-88.	1.8	529
3	Analytical strategies for LC-MS-based targeted metabolomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 871, 236-242.	1.2	416
4	The Small Intestine Converts Dietary Fructose into Glucose and Organic Acids. <i>Cell Metabolism</i> , 2018, 27, 351-361.e3.	7.2	416
5	Metabolite Measurement: Pitfalls to Avoid and Practices to Follow. <i>Annual Review of Biochemistry</i> , 2017, 86, 277-304.	5.0	322
6	Autophagy maintains tumour growth through circulating arginine. <i>Nature</i> , 2018, 563, 569-573.	13.7	279
7	Metabolite Spectral Accuracy on Orbitraps. <i>Analytical Chemistry</i> , 2017, 89, 5940-5948.	3.2	201
8	Oncogenic Myc Induces Expression of Glutamine Synthetase through Promoter Demethylation. <i>Cell Metabolism</i> , 2015, 22, 1068-1077.	7.2	189
9	Avoiding Misannotation of In-Source Fragmentation Products as Cellular Metabolites in Liquid Chromatography-Mass Spectrometry-Based Metabolomics. <i>Analytical Chemistry</i> , 2015, 87, 2273-2281.	3.2	160
10	Quantitative Fluxomics of Circulating Metabolites. <i>Cell Metabolism</i> , 2020, 32, 676-688.e4.	7.2	148
11	Extraction and Quantitation of Nicotinamide Adenine Dinucleotide Redox Cofactors. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 167-179.	2.5	136
12	A high-performance liquid chromatography-tandem mass spectrometry method for quantitation of nitrogen-containing intracellular metabolites. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 37-50.	1.2	120
13	Intake of stigmasterol and $\beta$ -sitosterol alters lipid metabolism and alleviates NAFLD in mice fed a high-fat western-style diet. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1274-1284.	1.2	111
14	Metabolite discovery through global annotation of untargeted metabolomics data. <i>Nature Methods</i> , 2021, 18, 1377-1385.	9.0	107
15	Green Tea Polyphenol EGCG Alleviates Metabolic Abnormality and Fatty Liver by Decreasing Bile Acid and Lipid Absorption in Mice. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700696.	1.5	83
16	The Source of Glycolytic Intermediates in Mammalian Tissues. <i>Cell Metabolism</i> , 2021, 33, 367-378.e5.	7.2	80
17	Effects of Stigmasterol and $\beta$ -Sitosterol on Nonalcoholic Fatty Liver Disease in a Mouse Model: A Lipidomic Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3417-3425.	2.4	74
18	Peak Annotation and Verification Engine for Untargeted LC-MS Metabolomics. <i>Analytical Chemistry</i> , 2019, 91, 1838-1846.	3.2	72

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19	Physiological Suppression of Lipotoxic Liver Damage by Complementary Actions of HDAC3 and ASCAP/SREBP. <i>Cell Metabolism</i> , 2016, 24, 863-874.	7.2	59
20	Isotope ratio-based profiling of microbial folates. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 898-909.	1.2	51
21	NAD <sup>+</sup> flux is maintained in aged mice despite lower tissue concentrations. <i>Cell Systems</i> , 2021, 12, 1160-1172.e4.	2.9	51
22	Targeting hepatic glutaminase activity to ameliorate hyperglycemia. <i>Nature Medicine</i> , 2018, 24, 518-524.	15.2	50
23	An LC-MS chemical derivatization method for the measurement of five different one-carbon states of cellular tetrahydrofolate. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5955-5964.	1.9	40
24	Upregulation of Antioxidant Capacity and Nucleotide Precursor Availability Suffices for Oncogenic Transformation. <i>Cell Metabolism</i> , 2021, 33, 94-109.e8.	7.2	39
25	Ketogenic diet and chemotherapy combine to disrupt pancreatic cancer metabolism and growth. <i>Med</i> , 2022, 3, 119-136.e8.	2.2	31
26	Improved Annotation of Untargeted Metabolomics Data through Buffer Modifications That Shift Adduct Mass and Intensity. <i>Analytical Chemistry</i> , 2020, 92, 11573-11581.	3.2	20
27	mTORC1 restrains adipocyte lipolysis to prevent systemic hyperlipidemia. <i>Molecular Metabolism</i> , 2020, 32, 136-147.	3.0	19
28	Metabolic excretion associated with nutrient growth dysregulation promotes the rapid evolution of an overt metabolic defect. <i>PLoS Biology</i> , 2020, 18, e3000757.	2.6	17
29	Elevated Choline Kinase Mediated Choline Metabolism Supports the Prolonged Survival of TRAF3-Deficient B Lymphocytes. <i>Journal of Immunology</i> , 2020, 204, 459-471.	0.4	13
30	Discovery and Functional Characterization of a Yeast Sugar Alcohol Phosphatase. <i>ACS Chemical Biology</i> , 2018, 13, 3011-3020.	1.6	12
31	The 2-oxoglutarate analog 3-oxoglutarate decreases normoxic hypoxia-inducible factor-1 $\alpha$ ; in cancer cells, induces cell death, and reduces tumor xenograft growth. <i>Hypoxia (Auckland, N Z)</i> , 2016, 4, 15.	1.9	7
32	Bisphosphoglycerate Mutase Deficiency Protects against Cerebral Malaria and Severe Malaria-Induced Anemia. <i>Cell Reports</i> , 2020, 32, 108170.	2.9	7
33	Late-gestation maternal dietary methyl donor and cofactor supplementation in sheep partially reverses protection against allergic sensitization by IUGR. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R22-R33.	0.9	4