

Lin Wang

List of Publications by Year in descending order

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38
papers

1,535
citations

430754

18
h-index

345118

36
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47
all docs

47
docs citations

47
times ranked

2150
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolite Exchange between Mammalian Organs Quantified in Pigs. <i>Cell Metabolism</i> , 2019, 30, 594-606.e3.	7.2	170
2	SLC25A51 is a mammalian mitochondrial NAD ⁺ transporter. <i>Nature</i> , 2020, 588, 174-179.	13.7	158
3	Quantitative Fluxomics of Circulating Metabolites. <i>Cell Metabolism</i> , 2020, 32, 676-688.e4.	7.2	148
4	Extraction and Quantitation of Nicotinamide Adenine Dinucleotide Redox Cofactors. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 167-179.	2.5	136
5	Serine Catabolism Feeds NADH when Respiration Is Impaired. <i>Cell Metabolism</i> , 2020, 31, 809-821.e6.	7.2	118
6	Metabolite discovery through global annotation of untargeted metabolomics data. <i>Nature Methods</i> , 2021, 18, 1377-1385.	9.0	107
7	The Source of Glycolytic Intermediates in Mammalian Tissues. <i>Cell Metabolism</i> , 2021, 33, 367-378.e5.	7.2	80
8	Peak Annotation and Verification Engine for Untargeted LC-MS Metabolomics. <i>Analytical Chemistry</i> , 2019, 91, 1838-1846.	3.2	72
9	Spatially resolved isotope tracing reveals tissue metabolic activity. <i>Nature Methods</i> , 2022, 19, 223-230.	9.0	67
10	Gas-Phase Chemistry of Benzyl Cations in Dissociation of N-Benzylammonium and N-Benzyliminium Ions Studied by Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 823-833.	1.2	39
11	Natural human genetic variation determines basal and inducible expression of <i>PM20D1</i> , an obesity-associated gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23232-23242.	3.3	35
12	Sensitive Bromine-Labeled Probe D-BPBr for Simultaneous Identification and Quantification of Chiral Amino Acids and Amino-Containing Metabolites Profiling in Human Biofluid by HPLC/MS. <i>Analytical Chemistry</i> , 2020, 92, 1763-1769.	3.2	34
13	Ketogenic diet and chemotherapy combine to disrupt pancreatic cancer metabolism and growth. <i>Med</i> , 2022, 3, 119-136.e8.	2.2	31
14	Plasma-assisted alignment in the fabrication of microchannel-array-based in-tube solid-phase microextraction microchips packed with TiO ₂ nanoparticles for phosphopeptide analysis. <i>Analytica Chimica Acta</i> , 2018, 1018, 70-77.	2.6	28
15	GO-META-TiO ₂ composite monolithic columns for in-tube solid-phase microextraction of phosphopeptides. <i>Talanta</i> , 2019, 192, 360-367.	2.9	26
16	Downregulation of the tyrosine degradation pathway extends <i>Drosophila</i> lifespan. <i>ELife</i> , 2020, 9, .	2.8	25
17	Pair of Stereodynamic Chiral Benzylaldehyde Probes for Determination of Absolute Configuration of Amino Acid Residues in Peptides by Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 11902-11907.	3.2	24
18	Methionine synthase supports tumour tetrahydrofolate pools. <i>Nature Metabolism</i> , 2021, 3, 1512-1520.	5.1	24

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19	Qualitative and quantitative analysis of enantiomers by mass spectrometry: Application of a simple chiral chloride probe via rapid in-situ reaction. <i>Analytica Chimica Acta</i> , 2014, 809, 104-108.	2.6	21
20	Homozygous MTAP deletion in primary human glioblastoma is not associated with elevation of methylthioadenosine. <i>Nature Communications</i> , 2021, 12, 4228.	5.8	21
21	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
22	Development and Validation of an HPLC Method for Simultaneous Determination of Ibuprofen and 17 Related Compounds. <i>Chromatographia</i> , 2017, 80, 1353-1360.	0.7	19
23	Formation of [M + 15] ⁺ ions from aromatic aldehydes by use of methanol: in-source aldolization reaction in electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1203-1210.	0.7	18
24	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
25	Complexation of cyclofructans with transition metal ions studied by electrospray ionization mass spectrometry and collision-induced dissociation. <i>International Journal of Mass Spectrometry</i> , 2012, 323-324, 21-27.	0.7	13
26	Nazarov Cyclization and Oxo-Diels- Alder Reaction of Chalcones Induced by the Naked Silver Cation in Gas Phase. <i>Organometallics</i> , 2013, 32, 3385-3390.	1.1	10
27	A genetic model of methionine restriction extends <i>Drosophila</i> health- and lifespan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
28	Metal incorporated Horseradish Peroxidase (HRP) catalyzed oxidation of resveratrol: selective dimerization or decomposition. <i>RSC Advances</i> , 2013, 3, 22976.	1.7	7
29	Gas-Phase Arylmethyl Transfer and Cyclodeamination of Argentinated <i>N</i> -Arylmethyl-Pyridin-2-Yl-methanimine. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 169-175.	1.2	7
30	Evaluation and determination of the cyclofructans- amino acid complex binding pattern by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1043-1049.	0.7	6
31	Construction the switch binding pattern of cyclofructan 6. <i>Tetrahedron</i> , 2015, 71, 3447-3452.	1.0	5
32	How does a C=C double bond cleave in the gas phase? Fragmentation of protonated ketotifen in mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1105-1110.	0.7	5
33	Rapid identification of miglitol and its isomers by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 155-161.	0.7	5
34	Gas-phase Smiles rearrangement reactions of deprotonated <i>N</i> -phenylbenzamides studied by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 864-870.	0.7	3
35	Loss of benzaldehyde in the fragmentation of protonated benzoylamines: Benzoyl cation as a hydride acceptor in the gas phase. <i>Journal of Mass Spectrometry</i> , 2017, 52, 664-671.	0.7	3
36	Gas phase reaction between chromones and solvent in an electrospray ionization source. <i>Journal of Mass Spectrometry</i> , 2019, 54, 66-72.	0.7	2

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37	4582 NICOTINAMIDE ADENINE DINUCLEOTIDE (NAD) DEPLETION MUST BE SEVERE TO INDUCE CARDIAC DYSFUNCTION AND EVENTUAL FAILURE. <i>Journal of Clinical and Translational Science</i> , 2020, 4, 13-13.	0.3	0
38	MON-LB017 Natural Genetic Variation in Humans Determines Basal and PPAR-Inducible Expression of PM2OD1, a Putative Thermogenic Gene. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.1	0