Tianlu Chen

List of Publications by Year
in descending order

61 papers	4,143 citations	159585 30 h-index	138484 58 g-index
62 all docs	62 docs citations	62 times ranked	6577 citing authors

#	ARTICLE	IF	CITATIONS
1	Theabrownin from Pu-erh tea attenuates hypercholesterolemia via modulation of gut microbiota and bile acid metabolism. Nature Communications, 2019, 10, 4971.	12.8	418
2	Serum Metabolite Profiling of Human Colorectal Cancer Using GCâ˜TOFMS and UPLCâ˜QTOFMS. Journal of Proteome Research, 2009, 8, 4844-4850.	3.7	363
3	Missing Value Imputation Approach for Mass Spectrometry-based Metabolomics Data. Scientific Reports, 2018, 8, 663.	3.3	359
4	Serum and Urine Metabolite Profiling Reveals Potential Biomarkers of Human Hepatocellular Carcinoma. Molecular and Cellular Proteomics, 2011, 10, M110.004945.	3.8	267
5	Bile acid is a significant host factor shaping the gut microbiome of diet-induced obese mice. BMC Biology, 2017, 15, 120.	3.8	208
6	Salivary metabolite signatures of oral cancer and leukoplakia. International Journal of Cancer, 2011, 129, 2207-2217.	5.1	185
7	Hyocholic acid species improve glucose homeostasis through a distinct TGR5 and FXR signaling mechanism. Cell Metabolism, 2021, 33, 791-803.e7.	16.2	185
8	Distinct Urinary Metabolic Profile of Human Colorectal Cancer. Journal of Proteome Research, 2012, 11, 1354-1363.	3.7	184
9	Branched-chain and aromatic amino acid profiles and diabetes risk in Chinese populations. Scientific Reports, 2016, 6, 20594.	3.3	140
10	Profiling of Serum Bile Acids in a Healthy Chinese Population Using UPLCâ€"MS/MS. Journal of Proteome Research, 2015, 14, 850-859.	3.7	129
11	A Metabolite Array Technology for Precision Medicine. Analytical Chemistry, 2021, 93, 5709-5717.	6.5	112
12	Characterization of Pu-erh Tea Using Chemical and Metabolic Profiling Approaches. Journal of Agricultural and Food Chemistry, 2009, 57, 3046-3054.	5.2	111
13	Circulating Unsaturated Fatty Acids Delineate the Metabolic Status of Obese Individuals. EBioMedicine, 2015, 2, 1513-1522.	6.1	110
14	GSimp: A Gibbs sampler based left-censored missing value imputation approach for metabolomics studies. PLoS Computational Biology, 2018, 14, e1005973.	3.2	92
15	Tryptophan Predicts the Risk for Future Type 2 Diabetes. PLoS ONE, 2016, 11, e0162192.	2.5	74
16	An optimized procedure for metabonomic analysis of rat liver tissue using gas chromatography/time-of-flight mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 589-596.	2.8	72
17	Random Forest in Clinical Metabolomics for Phenotypic Discrimination and Biomarker Selection. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-11.	1.2	69
18	Serum Metabolic Signatures of Four Types of Human Arthritis. Journal of Proteome Research, 2013, 12, 3769-3779.	3.7	68

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19	Hyocholic acid species as novel biomarkers for metabolic disorders. Nature Communications, 2021, 12, 1487.	12.8	66
20	Metabolic Fate of Tea Polyphenols in Humans. Journal of Proteome Research, 2012, 11, 3449-3457.	3.7	56
21	Gut microbiota-bile acid crosstalk contributes to the rebound weight gain after calorie restriction in mice. Nature Communications, 2022, 13, 2060.	12.8	56
22	The Brain Metabolome of Male Rats across the Lifespan. Scientific Reports, 2016, 6, 24125.	3.3	51
23	Serum trace element differences between Schizophrenia patients and controls in the Han Chinese population. Scientific Reports, 2015, 5, 15013.	3.3	46
24	A panel of free fatty acid ratios to predict the development of metabolic abnormalities in healthy obese individuals. Scientific Reports, 2016, 6, 28418.	3.3	43
25	Metabolic Transformation of DMBA-Induced Carcinogenesis and Inhibitory Effect of Salvianolic Acid B and Breviscapine Treatment. Journal of Proteome Research, 2012, 11, 1302-1316.	3.7	41
26	Chenodeoxycholic Acid as a Potential Prognostic Marker for Roux-en-Y Gastric Bypass in Chinese Obese Patients. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 4222-4230.	3.6	40
27	Metabolomic Approaches to Explore Chemical Diversity of Human Breast-Milk, Formula Milk and Bovine Milk. International Journal of Molecular Sciences, 2016, 17, 2128.	4.1	39
28	Age-related compositional changes and correlations of gut microbiome, serum metabolome, and immune factor in rats. GeroScience, 2021, 43, 709-725.	4.6	37
29	IP4M: an integrated platform for mass spectrometry-based metabolomics data mining. BMC Bioinformatics, 2020, 21, 444.	2.6	35
30	Food withdrawal alters the gut microbiota and metabolome in mice. FASEB Journal, 2018, 32, 4878-4888.	0.5	34
31	Serum metabolite profiles are associated with the presence of advanced liver fibrosis in Chinese patients with chronic hepatitis B viral infection. BMC Medicine, 2020, 18, 144.	5.5	33
32	Strategy for an Association Study of the Intestinal Microbiome and Brain Metabolome Across the Lifespan of Rats. Analytical Chemistry, 2018, 90, 2475-2483.	6.5	32
33	Serum stearic acid/palmitic acid ratio as a potential predictor of diabetes remission after Roux‑en‑Y gastric bypass in obesity. FASEB Journal, 2017, 31, 1449-1460.	0.5	29
34	Poly‑pharmacokinetic Study of a Multicomponent Herbal Medicine in Healthy Chinese Volunteers. Clinical Pharmacology and Therapeutics, 2018, 103, 692-702.	4.7	29
35	Serum lipid alterations identified in chronic hepatitis B, hepatitis B virus-associated cirrhosis and carcinoma patients. Scientific Reports, 2017, 7, 42710.	3.3	27
36	Changes in retinal metabolic profiles associated with form deprivation myopia development in guinea pigs. Scientific Reports, 2017, 7, 2777.	3.3	27

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37	Evaluation of metabolite-microbe correlation detection methods. Analytical Biochemistry, 2019, 567, 106-111.	2.4	27
38	Bile Acid Profiles Are Distinct among Patients with Different Etiologies of Chronic Liver Disease. Journal of Proteome Research, 2021, 20, 2340-2351.	3.7	27
39	Metabolomics analysis reveals variation in *Schisandra chinensis* metabolites from different origins. Journal of Separation Science, 2014, 37, 731-737.	2.5	25
40	The ratio of dihomo-γ-linolenic acid to deoxycholic acid species is a potential biomarker for the metabolic abnormalities in obesity. FASEB Journal, 2017, 31, 3904-3912.	0.5	24
41	Global and Targeted Metabolomics Evidence of the Protective Effect of Chinese Patent Medicine *Jinkui Shenqi* Pill on Adrenal Insufficiency after Acute Glucocorticoid Withdrawal in Rats. Journal of Proteome Research, 2016, 15, 2327-2336.	3.7	22
42	Metabolomic evaluation of di-n-butyl phthalate-induced teratogenesis in mice. Metabolomics, 2011, 7, 559-571.	3.0	15
43	Altered bile acid glycine:taurine ratio in the progression of chronic liver disease. Journal of Gastroenterology and Hepatology (Australia), 2022, 37, 208-215.	2.8	15
44	Metabolic profiling reveals the protective effect of diammonium glycyrrhizinate on acute hepatic injury induced by carbon tetrachloride. Metabolomics, 2011, 7, 226-236.	3.0	13
45	polyPK: an R package for pharmacokinetic analysis of multi-component drugs using a metabolomics approach. Bioinformatics, 2018, 34, 1792-1794.	4.1	12
46	Theabrownin and Poria cocos Polysaccharide Improve Lipid Metabolism via Modulation of Bile Acid and Fatty Acid Metabolism. Frontiers in Pharmacology, 0, 13, .	3.5	12
47	Ultrasonic Nondestructive Testing Accurate Sizing and Locating Technique Based on Time-of-Flight-Diffraction Method. Russian Journal of Nondestructive Testing, 2005, 41, 594-601.	0.9	10
48	Strategy for Intercorrelation Identification between Metabolome and Microbiome. Analytical Chemistry, 2019, 91, 14424-14432.	6.5	9
49	Age-related functional changes of intestinal flora in rats. FEMS Microbiology Letters, 2021, 368, .	1.8	9
50	Salivary Metabolomics Reveals that Metabolic Alterations Precede the Onset of Schizophrenia. Journal of Proteome Research, 2021, 20, 5010-5023.	3.7	9
51	Diagnosis of Fibrosis Using Blood Markers and Logistic Regression in Southeast Asian Patients With Non-alcoholic Fatty Liver Disease. Frontiers in Medicine, 2021, 8, 637652.	2.6	8
52	MCEE: a data preprocessing approach for metabolic confounding effect elimination. Analytical and Bioanalytical Chemistry, 2018, 410, 2689-2699.	3.7	7
53	iMAP: A Web Server for Metabolomics Data Integrative Analysis. Frontiers in Chemistry, 2021, 9, 659656.	3.6	7
54	Serum Amino Acid Profiles Predict the Development of Hepatocellular Carcinoma in Patients with Chronic HBV Infection. ACS Omega, 2022, 7, 15795-15808.	3.5	7

#	Article	IF	Citations
55	Pipeline defects diagnosis based on feature extraction and neural-network fusion. Russian Journal of Nondestructive Testing, 2006, 42, 340-344.	0.9	5
56	Integrated profiling of metabolites and trace elements reveals a multifaceted malnutrition in pregnant women from a region with a high prevalence of congenital malformations. Metabolomics, 2012, 8, 831-844.	3.0	3
57	MCEE 2.0: more options and enhanced performance. Analytical and Bioanalytical Chemistry, 2019, 411, 5089-5098.	3.7	3
58	Development of long-term cardiovascular disease risk prediction model for hemodialysis patients with end-stage renal disease based on nomogram. Annals of Palliative Medicine, 2021, 10, 3142-3153.	1.2	3
59	3MCor: an integrative web server for metabolome–microbiome-metadata correlation analysis. Bioinformatics, 2022, 38, 1378-1384.	4.1	3
60	Pooled sample-based workflow and software for medical data calibration. , 2014, , .		1
61	Comprehensive comparison of classifiers for metabolic profiling analysis. , 2010, , .		0