

# Peiyuan Yin

## List of Publications by Citations

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78  
papers

4,242  
citations

36  
h-index

64  
g-index

80  
ext. papers

5,057  
ext. citations

5.3  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
78	Metabolic characterization of hepatocellular carcinoma using nontargeted tissue metabolomics. <i>Cancer Research</i> , <b>2013</b> , 73, 4992-5002	10.1	273
77	Altered Lipid Metabolism in Recovered SARS Patients Twelve Years after Infection. <i>Scientific Reports</i> , <b>2017</b> , 7, 9110	4.9	233
76	Comprehensive two-dimensional gas chromatography/time-of-flight mass spectrometry for metabonomics: Biomarker discovery for diabetes mellitus. <i>Analytica Chimica Acta</i> , <b>2009</b> , 633, 257-62	6.6	195
75	Metabonomics study of liver cancer based on ultra performance liquid chromatography coupled to mass spectrometry with HILIC and RPLC separations. <i>Analytica Chimica Acta</i> , <b>2009</b> , 650, 3-9	6.6	180
74	A metabonomic study of hepatitis B-induced liver cirrhosis and hepatocellular carcinoma by using RP-LC and HILIC coupled with mass spectrometry. <i>Molecular BioSystems</i> , <b>2009</b> , 5, 868-76		173
73	Preanalytical aspects and sample quality assessment in metabolomics studies of human blood. <i>Clinical Chemistry</i> , <b>2013</b> , 59, 833-45	5.5	172
72	Effects of pre-analytical processes on blood samples used in metabolomics studies. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 4879-92	4.4	165
71	Practical approach for the identification and isomer elucidation of biomarkers detected in a metabonomic study for the discovery of individuals at risk for diabetes by integrating the chromatographic and mass spectrometric information. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 1280-9	7.8	158
70	A Large-scale, multicenter serum metabolite biomarker identification study for the early detection of hepatocellular carcinoma. <i>Hepatology</i> , <b>2018</b> , 67, 662-675	11.2	152
69	Metabonomics study of intestinal fistulas based on ultraperformance liquid chromatography coupled with Q-TOF mass spectrometry (UPLC/Q-TOF MS). <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 2135-43	5.6	141
68	Pseudotargeted metabolomics method and its application in serum biomarker discovery for hepatocellular carcinoma based on ultra high-performance liquid chromatography/triple quadrupole mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8326-33	7.8	139
67	Serum metabolomics reveals the deregulation of fatty acids metabolism in hepatocellular carcinoma and chronic liver diseases. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 203-13	4.4	110
66	Metabolomics study of stepwise hepatocarcinogenesis from the model rats to patients: potential biomarkers effective for small hepatocellular carcinoma diagnosis. <i>Molecular and Cellular Proteomics</i> , <b>2012</b> , 11, M111.010694	7.6	105
65	Metabolomics study of hepatocellular carcinoma: discovery and validation of serum potential biomarkers by using capillary electrophoresis-mass spectrometry. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 3420-31	5.6	94
64	Comprehensive and highly sensitive urinary steroid hormone profiling method based on stable isotope-labeling liquid chromatography-mass spectrometry. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 10245-51	7.8	93
63	A support vector machine-recursive feature elimination feature selection method based on artificial contrast variables and mutual information. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 910, 149-55	3.2	87
62	Development of urinary pseudotargeted LC-MS-based metabolomics method and its application in hepatocellular carcinoma biomarker discovery. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 906-16	5.6	83

61	Integration of lipidomics and transcriptomics unravels aberrant lipid metabolism and defines cholesteryl oleate as potential biomarker of prostate cancer. <i>Scientific Reports</i> , <b>2016</b> , 6, 20984	4.9	82
60	Effect of a traditional Chinese medicine preparation Xindi soft capsule on rat model of acute blood stasis: a urinary metabonomics study based on liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 873, 151-8	3.2	82
59	Current state-of-the-art of nontargeted metabolomics based on liquid chromatography-mass spectrometry with special emphasis in clinical applications. <i>Journal of Chromatography A</i> , <b>2014</b> , 1374, 1-13	4.5	81
58	Metabonomics study of atherosclerosis rats by ultra fast liquid chromatography coupled with ion trap-time of flight mass spectrometry. <i>Talanta</i> , <b>2009</b> , 79, 836-44	6.2	81
57	Multiple reaction monitoring-ion pair finder: a systematic approach to transform nontargeted mode to pseudotargeted mode for metabolomics study based on liquid chromatography-mass spectrometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 5050-5	7.8	74
56	Serum metabonomics study of chronic renal failure by ultra performance liquid chromatography coupled with Q-TOF mass spectrometry. <i>Metabolomics</i> , <b>2008</b> , 4, 183-189	4.7	67
55	Analysis of catecholamines and their metabolites in adrenal gland by liquid chromatography tandem mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2008</b> , 609, 192-200	6.6	65
54	Study of induction chemotherapy efficacy in oral squamous cell carcinoma using pseudotargeted metabolomics. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 1994-2004	5.6	63
53	Global Metabolic Profiling Identifies a Pivotal Role of Proline and Hydroxyproline Metabolism in Supporting Hypoxic Response in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 474-485	12.9	60
52	Integrated GC-MS and LC-MS plasma metabonomics analysis of ankylosing spondylitis. <i>Analyst, The</i> , <b>2008</b> , 133, 1214-20	5	60
51	Analysis of urinary metabolic signatures of early hepatocellular carcinoma recurrence after surgical removal using gas chromatography-mass spectrometry. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 4361-72	5.6	56
50	Serum metabolic profiling study of hepatocellular carcinoma infected with hepatitis B or hepatitis C virus by using liquid chromatography-mass spectrometry. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 5433-42	5.6	51
49	A method for handling metabonomics data from liquid chromatography/mass spectrometry: combinational use of support vector machine recursive feature elimination, genetic algorithm and random forest for feature selection. <i>Metabolomics</i> , <b>2011</b> , 7, 549-558	4.7	45
48	Metabolomics and transcriptomics profiles reveal the dysregulation of the tricarboxylic acid cycle and related mechanisms in prostate cancer. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 396-407	7.5	43
47	Serum metabolic profiling of abnormal savda by liquid chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 871, 322-7	7.2	39
46	Metabolic phenotypes and the gut microbiota in response to dietary resistant starch type 2 in normal-weight subjects: a randomized crossover trial. <i>Scientific Reports</i> , <b>2019</b> , 9, 4736	4.9	38
45	Urinary metabolic profiling of colorectal carcinoma based on online affinity solid phase extraction-high performance liquid chromatography and ultra performance liquid chromatography-mass spectrometry. <i>Molecular BioSystems</i> , <b>2010</b> , 6, 1947-55		38
44	Nontargeted modification-specific metabolomics study based on liquid chromatography-high-resolution mass spectrometry. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 9146-53	7.8	36

43	Discovery and validation of potential urinary biomarkers for bladder cancer diagnosis using a pseudotargeted GC-MS metabolomics method. <i>Oncotarget</i> , <b>2017</b> , 8, 20719-20728	3.3	36
42	Serum or plasma, what is the difference? Investigations to facilitate the sample material selection decision making process for metabolomics studies and beyond. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1037, 293-300	6.6	34
41	Ion fusion of high-resolution LC-MS-based metabolomics data to discover more reliable biomarkers. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3793-800	7.8	33
40	Metabolomics Study of Roux-en-Y Gastric Bypass Surgery (RYGB) to Treat Type 2 Diabetes Patients Based on Ultraperformance Liquid Chromatography-Mass Spectrometry. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 1288-99	5.6	32
39	Optimization of large-scale pseudotargeted metabolomics method based on liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2016</b> , 1437, 127-136	4.5	29
38	Method for liver tissue metabolic profiling study and its application in type 2 diabetic rats based on ultra performance liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 961-7	3.2	29
37	Metabolomics Identifies Biomarker Pattern for Early Diagnosis of Hepatocellular Carcinoma: from Diethylnitrosamine Treated Rats to Patients. <i>Scientific Reports</i> , <b>2015</b> , 5, 16101	4.9	28
36	A weighted relative difference accumulation algorithm for dynamic metabolomics data: long-term elevated bile acids are risk factors for hepatocellular carcinoma. <i>Scientific Reports</i> , <b>2015</b> , 5, 8984	4.9	27
35	Serum metabolic profiling and features of papillary thyroid carcinoma and nodular goiter. <i>Molecular BioSystems</i> , <b>2011</b> , 7, 2608-14		27
34	Study of urinary steroid hormone disorders: difference between hepatocellular carcinoma in early stage and cirrhosis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 4325-35	4.4	26
33	Application of LC-MS-based metabolomics method in differentiating septic survivors from non-survivors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 7641-7649	4.4	26
32	Ion-Pair Selection Method for Pseudotargeted Metabolomics Based on SWATH MS Acquisition and Its Application in Differential Metabolite Discovery of Type 2 Diabetes. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11401-11408	7.8	24
31	Metabolic profiling study of early and late recurrence of hepatocellular carcinoma based on liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 966, 163-70	3.2	22
30	Classification and differential metabolite discovery of liver diseases based on plasma metabolic profiling and support vector machines. <i>Journal of Separation Science</i> , <b>2011</b> , 34, 3029-36	3.4	21
29	Lactobacillus rhamnosus GG microcapsules inhibit Escherichia coli biofilm formation in coculture. <i>Biotechnology Letters</i> , <b>2019</b> , 41, 1007-1014	3	19
28	Metabolomics for tumor marker discovery and identification based on chromatography-mass spectrometry. <i>Expert Review of Molecular Diagnostics</i> , <b>2013</b> , 13, 339-48	3.8	19
27	A New Strategy for Analyzing Time-Series Data Using Dynamic Networks: Identifying Prospective Biomarkers of Hepatocellular Carcinoma. <i>Scientific Reports</i> , <b>2016</b> , 6, 32448	4.9	19
26	A high throughput metabolomics method and its application in female serum samples in a normal menstrual cycle based on liquid chromatography-mass spectrometry. <i>Talanta</i> , <b>2018</b> , 185, 483-490	6.2	18

25	Serum metabolome and targeted bile acid profiling reveals potential novel biomarkers for drug-induced liver injury. <i>Medicine (United States)</i> , <b>2019</b> , 98, e16717	1.8	18
24	Quality Control of Serum and Plasma by Quantification of (4E,14Z)-Sphingadienine-C18-1-Phosphate Uncovers Common Preanalytical Errors During Handling of Whole Blood. <i>Clinical Chemistry</i> , <b>2018</b> , 64, 810-819	5.5	17
23	-Ethyl-2-Pyrrolidinone-Substituted Flavan-3-Ols with Anti-inflammatory Activity in Lipopolysaccharide-Stimulated Macrophages Are Storage-Related Marker Compounds for Green Tea. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 12164-12172	5.7	13
22	Serum lipid profiling of patients with chronic hepatitis B, cirrhosis, and hepatocellular carcinoma by ultra fast LC/IT-TOF MS. <i>Electrophoresis</i> , <b>2013</b> , 34, n/a-n/a	3.6	12
21	Parallel derivatization strategy coupled with liquid chromatography-mass spectrometry for broad coverage of steroid hormones. <i>Journal of Chromatography A</i> , <b>2020</b> , 1614, 460709	4.5	12
20	Comprehensive Profiling by Non-targeted Stable Isotope Tracing Capillary Electrophoresis-Mass Spectrometry: A New Tool Complementing Metabolomic Analyses of Polar Metabolites. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5427-5432	4.8	10
19	A modified k-TSP algorithm and its application in LC-MS-based metabolomics study of hepatocellular carcinoma and chronic liver diseases. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 966, 100-8	3.2	10
18	Characteristics of bile acids metabolism profile in the second and third trimesters of normal pregnancy. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 95, 77-83	12.7	8
17	Which is the urine sample material of choice for metabolomics-driven biomarker studies?. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1105, 120-127	6.6	7
16	A Computational Method of Defining Potential Biomarkers based on Differential Sub-Networks. <i>Scientific Reports</i> , <b>2017</b> , 7, 14339	4.9	7
15	Metabonomics study of intestinal transplantation using ultrahigh-performance liquid chromatography time-of-flight mass spectrometry. <i>Digestion</i> , <b>2008</b> , 77, 122-30	3.6	7
14	A novel analysis method for biomarker identification based on horizontal relationship: identifying potential biomarkers from large-scale hepatocellular carcinoma metabolomics data. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 6377-6386	4.4	6
13	Metabolomics Toward Biomarker Discovery. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1619, 467-475	1.4	6
12	Sample collection and preparation of biofluids and extracts for liquid chromatography-mass spectrometry. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1277, 51-9	1.4	6
11	Determination of candidate metabolite biomarkers associated with recurrence of HCV-related hepatocellular carcinoma. <i>Oncotarget</i> , <b>2018</b> , 9, 6245-6258	3.3	4
10	Switching from Fatty Acid Oxidation to Glycolysis Improves the Outcome of Acute-On-Chronic Liver Failure. <i>Advanced Science</i> , <b>2020</b> , 7, 1902996	13.6	3
9	High-throughput metabolic profiling based on small amount of hepatic cells. <i>Electrophoresis</i> , <b>2017</b> , 38, 2296-2303	3.6	2
8	An Integrated Metabolomic Study of Osteoporosis: Discovery and Quantification of Hyocholic Acids as Candidate Markers. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 725341	5.6	2

7	Liquid chromatography-mass spectrometry of biofluids and extracts. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1277, 61-73	1.4	1
6	Characteristics of Blood Metabolic Profile in Coronary Heart Disease, Dilated Cardiomyopathy and Valvular Heart Disease Induced Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 622236	5.4	1
5	HR-MS Based Untargeted Lipidomics Reveals Characteristic Lipid Signatures of Wilson's Disease. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 754185	5.6	0
4	Gut Microbiome and the Role of Metabolites in the Study of Graves Disease.. <i>Frontiers in Molecular Biosciences</i> , <b>2022</b> , 9, 841223	5.6	0
3	Reply. <i>Hepatology</i> , <b>2018</b> , 67, 2483-2484	11.2	
2	A new two-dimensional LCMS/MS-based metabonomics method and its applications in the traditional Chinese medicines and diseases. <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S26	3.7	
1	Metabonomics of Hepatocellular Carcinoma <b>2012</b> , 155-177		