Peiyuan Yin

List of Publications by Year in Descending Order

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	Gut Microbiome and the Role of Metabolites in the Study of Graves' Disease.. *Frontiers in Molecular Biosciences*, **2022**, 9, 841223	5.6	0
77	HR-MS Based Untargeted Lipidomics Reveals Characteristic Lipid Signatures of Wilson's Disease. *Frontiers in Pharmacology*, **2021**, 12, 754185	5.6	0
76	An Integrated Metabolomic Study of Osteoporosis: Discovery and Quantification of Hyocholic Acids as Candidate Markers. *Frontiers in Pharmacology*, **2021**, 12, 725341	5.6	2
75	Switching from Fatty Acid Oxidation to Glycolysis Improves the Outcome of Acute-On-Chronic Liver Failure. *Advanced Science*, **2020**, 7, 1902996	13.6	3
74	Which is the urine sample material of choice for metabolomics-driven biomarker studies?. *Analytica Chimica Acta*, **2020**, 1105, 120-127	6.6	7
73	Parallel derivatization strategy coupled with liquid chromatography-mass spectrometry for broad coverage of steroid hormones. *Journal of Chromatography A*, **2020**, 1614, 460709	4.5	12
72	-Ethyl-2-Pyrrolidinone-Substituted Flavan-3-Ols with Anti-inflammatory Activity in Lipopolysaccharide-Stimulated Macrophages Are Storage-Related Marker Compounds for Green Tea. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 12164-12172	5.7	13
71	Characteristics of Blood Metabolic Profile in Coronary Heart Disease, Dilated Cardiomyopathy and Valvular Heart Disease Induced Heart Failure. *Frontiers in Cardiovascular Medicine*, **2020**, 7, 622236	5.4	1
70	Lactobacillus rhamnosus GG microcapsules inhibit Escherichia coli biofilm formation in coculture. *Biotechnology Letters*, **2019**, 41, 1007-1014	3	19
69	Metabolic phenotypes and the gut microbiota in response to dietary resistant starch type 2 in normal-weight subjects: a randomized crossover trial. *Scientific Reports*, **2019**, 9, 4736	4.9	38
68	Characteristics of bile acids metabolism profile in the second and third trimesters of normal pregnancy. *Metabolism: Clinical and Experimental*, **2019**, 95, 77-83	12.7	8
67	Comprehensive Profiling by Non-targeted Stable Isotope Tracing Capillary Electrophoresis-Mass Spectrometry: A New Tool Complementing Metabolomic Analyses of Polar Metabolites. *Chemistry - A European Journal*, **2019**, 25, 5427-5432	4.8	10
66	A novel analysis method for biomarker identification based on horizontal relationship: identifying potential biomarkers from large-scale hepatocellular carcinoma metabolomics data. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 6377-6386	4.4	6
65	Serum metabolome and targeted bile acid profiling reveals potential novel biomarkers for drug-induced liver injury. *Medicine (United States)*, **2019**, 98, e16717	1.8	18
64	Reply. *Hepatology*, **2018**, 67, 2483-2484	11.2	
63	Metabolomics and transcriptomics profiles reveal the dysregulation of the tricarboxylic acid cycle and related mechanisms in prostate cancer. *International Journal of Cancer*, **2018**, 143, 396-407	7.5	43
62	A high throughput metabolomics method and its application in female serum samples in a normal menstrual cycle based on liquid chromatography-mass spectrometry. *Talanta*, **2018**, 185, 483-490	6.2	18

61	Quality Control of Serum and Plasma by Quantification of (4E,14Z)-Sphingadienine-C18-1-Phosphate Uncovers Common Preanalytical Errors During Handling of Whole Blood. *Clinical Chemistry*, **2018**, 64, 810-819	5.5	17
60	Serum or plasma, what is the difference? Investigations to facilitate the sample material selection decision making process for metabolomics studies and beyond. *Analytica Chimica Acta*, **2018**, 1037, 293-300	6.6	34
59	Global Metabolic Profiling Identifies a Pivotal Role of Proline and Hydroxyproline Metabolism in Supporting Hypoxic Response in Hepatocellular Carcinoma. *Clinical Cancer Research*, **2018**, 24, 474-485	12.9	60
58	A Large-scale, multicenter serum metabolite biomarker identification study for the early detection of hepatocellular carcinoma. *Hepatology*, **2018**, 67, 662-675	11.2	152
57	Ion-Pair Selection Method for Pseudotargeted Metabolomics Based on SWATH MS Acquisition and Its Application in Differential Metabolite Discovery of Type 2 Diabetes. *Analytical Chemistry*, **2018**, 90, 11401-11408	7.8	24
56	Determination of candidate metabolite biomarkers associated with recurrence of HCV-related hepatocellular carcinoma. *Oncotarget*, **2018**, 9, 6245-6258	3.3	4
55	High-throughput metabolic profiling based on small amount of hepatic cells. *Electrophoresis*, **2017**, 38, 2296-2303	3.6	2
54	Altered Lipid Metabolism in Recovered SARS Patients Twelve Years after Infection. *Scientific Reports*, **2017**, 7, 9110	4.9	233
53	A Computational Method of Defining Potential Biomarkers based on Differential Sub-Networks. *Scientific Reports*, **2017**, 7, 14339	4.9	7
52	Metabolomics Toward Biomarker Discovery. *Methods in Molecular Biology*, **2017**, 1619, 467-475	1.4	6
51	Discovery and validation of potential urinary biomarkers for bladder cancer diagnosis using a pseudotargeted GC-MS metabolomics method. *Oncotarget*, **2017**, 8, 20719-20728	3.3	36
50	Integration of lipidomics and transcriptomics unravels aberrant lipid metabolism and defines cholesteryl oleate as potential biomarker of prostate cancer. *Scientific Reports*, **2016**, 6, 20984	4.9	82
49	Metabolomics Study of Roux-en-Y Gastric Bypass Surgery (RYGB) to Treat Type 2 Diabetes Patients Based on Ultraperformance Liquid Chromatography-Mass Spectrometry. *Journal of Proteome Research*, **2016**, 15, 1288-99	5.6	32
48	Optimization of large-scale pseudotargeted metabolomics method based on liquid chromatography-mass spectrometry. *Journal of Chromatography A*, **2016**, 1437, 127-136	4.5	29
47	A New Strategy for Analyzing Time-Series Data Using Dynamic Networks: Identifying Prospective Biomarkers of Hepatocellular Carcinoma. *Scientific Reports*, **2016**, 6, 32448	4.9	19
46	Application of LC-MS-based metabolomics method in differentiating septic survivors from non-survivors. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 7641-7649	4.4	26
45	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. *Analytical Chemistry*, **2015**, 87, 5050-5	7.8	74
44	A weighted relative difference accumulation algorithm for dynamic metabolomics data: long-term elevated bile acids are risk factors for hepatocellular carcinoma. *Scientific Reports*, **2015**, 5, 8984	4.9	27

43	Effects of pre-analytical processes on blood samples used in metabolomics studies. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 4879-92	4.4	165
42	Development of urinary pseudotargeted LC-MS-based metabolomics method and its application in hepatocellular carcinoma biomarker discovery. *Journal of Proteome Research*, **2015**, 14, 906-16	5.6	83
41	Metabolomics Identifies Biomarker Pattern for Early Diagnosis of Hepatocellular Carcinoma: from Diethylnitrosamine Treated Rats to Patients. *Scientific Reports*, **2015**, 5, 16101	4.9	28
40	Sample collection and preparation of biofluids and extracts for liquid chromatography-mass spectrometry. *Methods in Molecular Biology*, **2015**, 1277, 51-9	1.4	6
39	Liquid chromatography-mass spectrometry of biofluids and extracts. *Methods in Molecular Biology*, **2015**, 1277, 61-73	1.4	1
38	Metabolic profiling study of early and late recurrence of hepatocellular carcinoma based on liquid chromatography-mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 966, 163-70	3.2	22
37	Ion fusion of high-resolution LC-MS-based metabolomics data to discover more reliable biomarkers. *Analytical Chemistry*, **2014**, 86, 3793-800	7.8	33
36	Study of induction chemotherapy efficacy in oral squamous cell carcinoma using pseudotargeted metabolomics. *Journal of Proteome Research*, **2014**, 13, 1994-2004	5.6	63
35	Nontargeted modification-specific metabolomics study based on liquid chromatography-high-resolution mass spectrometry. *Analytical Chemistry*, **2014**, 86, 9146-53	7.8	36
34	Metabolomics study of hepatocellular carcinoma: discovery and validation of serum potential biomarkers by using capillary electrophoresis-mass spectrometry. *Journal of Proteome Research*, **2014**, 13, 3420-31	5.6	94
33	Study of urinary steroid hormone disorders: difference between hepatocellular carcinoma in early stage and cirrhosis. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 4325-35	4.4	26
32	A modified k-TSP algorithm and its application in LC-MS-based metabolomics study of hepatocellular carcinoma and chronic liver diseases. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 966, 100-8	3.2	10
31	Current state-of-the-art of nontargeted metabolomics based on liquid chromatography-mass spectrometry with special emphasis in clinical applications. *Journal of Chromatography A*, **2014**, 1374, 1-13	4.5	81
30	Pseudotargeted metabolomics method and its application in serum biomarker discovery for hepatocellular carcinoma based on ultra high-performance liquid chromatography/triple quadrupole mass spectrometry. *Analytical Chemistry*, **2013**, 85, 8326-33	7.8	139
29	Metabolic characterization of hepatocellular carcinoma using nontargeted tissue metabolomics. *Cancer Research*, **2013**, 73, 4992-5002	10.1	273
28	Metabolomics for tumor marker discovery and identification based on chromatography-mass spectrometry. *Expert Review of Molecular Diagnostics*, **2013**, 13, 339-48	3.8	19
27	Preanalytical aspects and sample quality assessment in metabolomics studies of human blood. *Clinical Chemistry*, **2013**, 59, 833-45	5.5	172
26	Serum lipid profiling of patients with chronic hepatitis B, cirrhosis, and hepatocellular carcinoma by ultra fast LC/IT-TOF MS. *Electrophoresis*, **2013**, 34, n/a-n/a	3.6	12

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25	Serum metabolic profiling study of hepatocellular carcinoma infected with hepatitis B or hepatitis C virus by using liquid chromatography-mass spectrometry. *Journal of Proteome Research*, **2012**, 11, 5433-42	5.6	51
24	Comprehensive and highly sensitive urinary steroid hormone profiling method based on stable isotope-labeling liquid chromatography-mass spectrometry. *Analytical Chemistry*, **2012**, 84, 10245-51	7.8	93
23	Analysis of urinary metabolic signatures of early hepatocellular carcinoma recurrence after surgical removal using gas chromatography-mass spectrometry. *Journal of Proteome Research*, **2012**, 11, 4361-72	5.6	56
22	A support vector machine-recursive feature elimination feature selection method based on artificial contrast variables and mutual information. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2012**, 910, 149-55	3.2	87
21	Metabolomics study of stepwise hepatocarcinogenesis from the model rats to patients: potential biomarkers effective for small hepatocellular carcinoma diagnosis. *Molecular and Cellular Proteomics*, **2012**, 11, M111.010694	7.6	105
20	Serum metabolomics reveals the deregulation of fatty acids metabolism in hepatocellular carcinoma and chronic liver diseases. *Analytical and Bioanalytical Chemistry*, **2012**, 403, 203-13	4.4	110
19	Metabonomics of Hepatocellular Carcinoma **2012**, 155-177		
18	Serum metabolic profiling and features of papillary thyroid carcinoma and nodular goiter. *Molecular BioSystems*, **2011**, 7, 2608-14		27
17	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. *Metabolomics*, **2011**, 7, 549-558	4.7	45
16	Classification and differential metabolite discovery of liver diseases based on plasma metabolic profiling and support vector machines. *Journal of Separation Science*, **2011**, 34, 3029-36	3.4	21
15	Method for liver tissue metabolic profiling study and its application in type 2 diabetic rats based on ultra performance liquid chromatography-mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2011**, 879, 961-7	3.2	29
14	Urinary metabolic profiling of colorectal carcinoma based on online affinity solid phase extraction-high performance liquid chromatography and ultra performance liquid chromatography-mass spectrometry. *Molecular BioSystems*, **2010**, 6, 1947-55		38
13	Metabonomics study of liver cancer based on ultra performance liquid chromatography coupled to mass spectrometry with HILIC and RPLC separations. *Analytica Chimica Acta*, **2009**, 650, 3-9	6.6	180
12	Comprehensive two-dimensional gas chromatography/time-of-flight mass spectrometry for metabonomics: Biomarker discovery for diabetes mellitus. *Analytica Chimica Acta*, **2009**, 633, 257-62	6.6	195
11	Metabonomics study of atherosclerosis rats by ultra fast liquid chromatography coupled with ion trap-time of flight mass spectrometry. *Talanta*, **2009**, 79, 836-44	6.2	81
10	A metabonomic study of hepatitis B-induced liver cirrhosis and hepatocellular carcinoma by using RP-LC and HILIC coupled with mass spectrometry. *Molecular BioSystems*, **2009**, 5, 868-76		173
9	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. *Analytical Chemistry*, **2008**, 80, 1280-9	7.8	158
8	A new two-dimensional LC-MS/MS-based metabonomics method and its applications in the traditional Chinese medicines and diseases. *Journal of Biotechnology*, **2008**, 136, S26	3.7	

7	Integrated GC-MS and LC-MS plasma metabonomics analysis of ankylosing spondylitis. *Analyst, The*, **2008**, 133, 1214-20	5	60
6	Metabonomics study of intestinal transplantation using ultrahigh-performance liquid chromatography time-of-flight mass spectrometry. *Digestion*, **2008**, 77, 122-30	3.6	7
5	Serum metabonomics study of chronic renal failure by ultra performance liquid chromatography coupled with Q-TOF mass spectrometry. *Metabolomics*, **2008**, 4, 183-189	4.7	67
4	Serum metabolic profiling of abnormal savda by liquid chromatography/mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2008**, 871, 322-7	2.2	39
3	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. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2008**, 873, 151-8	3.2	82
2	Analysis of catecholamines and their metabolites in adrenal gland by liquid chromatography tandem mass spectrometry. *Analytica Chimica Acta*, **2008**, 609, 192-200	6.6	65
1	Metabonomics study of intestinal fistulas based on ultraperformance liquid chromatography coupled with Q-TOF mass spectrometry (UPLC/Q-TOF MS). *Journal of Proteome Research*, **2006**, 5, 2135-43	5.6	141