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Metabonomics study of liver cancer based on ultra performance liquid chromatography coupled to mass spectrometry with HILIC and RPLC separations

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#	Paper	IF	Citations
193	Lysophosphatidylcholine profiling of plasma: discrimination of isomers and discovery of lung cancer biomarkers. 2010 , 6, 478-488		79
192	Urinary metabonomic study of lung cancer by a fully automatic hyphenated hydrophilic interaction/RPLC-MS system. 2010 , 33, 1495-503		64
191	Hydrophilic interaction chromatography coupled to MS for metabonomic/metabolomic studies. 2010 , 33, 716-27		161
190	Current literature in mass spectrometry. 2010 , 45, 227-234		
189	Comprehensive comparison of liquid chromatography selectivity as provided by two types of liquid chromatography detectors (high resolution mass spectrometry and tandem mass spectrometry): "where is the crossover point?". <i>Analytica Chimica Acta</i> , 2010 , 673, 60-72	6.6	161
188	A LC-MS-based method for quantification of biomarkers from serum of allergic rats. <i>Molecules</i> , 2010 , 15, 3356-65	4.8	5
187	Urinary metabolic profiling of colorectal carcinoma based on online affinity solid phase extraction-high performance liquid chromatography and ultra performance liquid chromatography-mass spectrometry. 2010 , 6, 1947-55		38
186	Discrimination of the geographical origin of beef by (1)H NMR-based metabolomics. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 10458-66	5.7	126
185	Ultra performance liquid chromatographic profiling of serum N-glycans for fast and efficient identification of cancer associated alterations in glycosylation. <i>Analytical Chemistry</i> , 2010 , 82, 10208-15	7.8	143
184	Urinary metabolic biomarkers of hepatocellular carcinoma in an Egyptian population: a validation study. 2011 , 10, 1828-36		81
183	Investigation of urinary volatile organic metabolites as potential cancer biomarkers by solid-phase microextraction in combination with gas chromatography-mass spectrometry. 2011 , 105, 1894-904		149
182	Serum 27-nor-5 β -cholestane-3,7,12,24,25 pentol glucuronide discovered by metabolomics as potential diagnostic biomarker for epithelium ovarian cancer. 2011 , 10, 2625-32		86
181	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of urine. 2011 , 10, 221-30		178
180	A comprehensive untargeted metabonomic analysis of human steatotic liver tissue by RP and HILIC chromatography coupled to mass spectrometry reveals important metabolic alterations. 2011 , 10, 4825-34		93
179	Trend analysis of metabonomics and systematic review of metabonomics-derived cancer marker metabolites. 2011 , 7, 155-178		40
178	Metabonomic Study of Lung Cancer and the Effects of Radiotherapy on Lung Cancer Patients: Analysis of Highly Polar Metabolites by Ultraperformance HILIC Coupled with Q-TOF MS. 2011 , 74, 391-398		11
177	Ultra-performance liquid chromatography coupled to mass spectrometry as a sensitive and powerful technology for metabolomic studies. 2011 , 34, 3451-9		115

176	Classification and differential metabolite discovery of liver diseases based on plasma metabolic profiling and support vector machines. 2011 , 34, 3029-36		21
175	Strategy of using microsome-based metabolite production to facilitate the identification of endogenous metabolites by liquid chromatography mass spectrometry. <i>Analytica Chimica Acta</i> , 2011 , 685, 36-44	6.6	12
174	Fecal metabolome profiling of liver cirrhosis and hepatocellular carcinoma patients by ultra performance liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2011 , 691, 68-75	6.6	88
173	Effect of the traditional Chinese medicine tongxinluo on endothelial dysfunction rats studied by using urinary metabolomics based on liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 56, 86-92	3.5	47
172	A metabolomic analysis on health effects of drinking water on male mice (<i>Mus musculus</i>). 2011 , 190, 515-9		6
171	Bladder cancer determination via two urinary metabolites: a biomarker pattern approach. 2011 , 10, M111.007932		32
170	Urinary hydrophilic and hydrophobic metabolic profiling based on liquid chromatography-mass spectrometry methods: Differential metabolite discovery specific to ovarian cancer. 2012 , 33, 3361-9		45
169	Differentiating hepatocellular carcinoma from hepatitis C using metabolite profiling. <i>Metabolites</i> , 2012 , 2, 701-16	5.6	24
168	Metabonomics Study of TCM Formula: Qutan Huayu Tongmai Granule as an Effective Treatment for Atherosclerosis in Mini-Pigs. 2012 , 75, 1279-1286		3
167	Metabolomic study of plasma from female mink (<i>Neovison vison</i>) with low and high residual feed intake during restrictive and ad libitum feeding. 2012 , 7, 322-7		4
166	Nuclear Magnetic Resonance Spectroscopy and Mass Spectrometry-Based Metabolomics for Cancer Diagnosis. 2012 , 40, 1933-1937		3
165	Metabonomics study of the acute graft rejection in rat renal transplantation using reversed-phase liquid chromatography and hydrophilic interaction chromatography coupled with mass spectrometry. 2012 , 8, 871-8		18
164	Urine metabolomics analysis for biomarker discovery and detection of jaundice syndrome in patients with liver disease. 2012 , 11, 370-80		210
163	LC-MS metabolomics of polar compounds. 2012 , 4, 1235-43		43
162	XCMS Online: a web-based platform to process untargeted metabolomic data. <i>Analytical Chemistry</i> , 2012 , 84, 5035-9	7.8	799
161	Metabolic fingerprinting of high-fat plasma samples processed by centrifugation- and filtration-based protein precipitation delineates significant differences in metabolite information coverage. <i>Analytica Chimica Acta</i> , 2012 , 718, 47-57	6.6	46
160	Metabonomic study on the anti-osteoporosis effect of <i>Rhizoma Drynariae</i> and its action mechanism using ultra-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Ethnopharmacology</i> , 2012 , 139, 311-7	5	65
159	Characterizing the effect of heavy metal contamination on marine mussels using metabolomics. 2012 , 64, 1874-9		58

158	Utilization of metabolomics to identify serum biomarkers for hepatocellular carcinoma in patients with liver cirrhosis. <i>Analytica Chimica Acta</i> , 2012 , 743, 90-100	6.6	112
157	Recent advances in metabolomics in oncology. 2012 , 4, 431-51		48
156	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> , 2012 , 910, 149-55	3.2	87
155	Quantitative profiling of polar primary metabolites using hydrophilic interaction ultrahigh performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1259, 121-7	4.5	94
154	LC-MS based serum metabolomics for identification of hepatocellular carcinoma biomarkers in Egyptian cohort. 2012 , 11, 5914-23		93
153	Primary Liver Cancer. 2012 ,		3
152	Metabonomic profiles discriminate hepatocellular carcinoma from liver cirrhosis by ultraperformance liquid chromatography-mass spectrometry. 2012 , 11, 1217-27		101
151	Metabonomics Research of the Four Properties in Traditional Chinese Medicine Based on UPLC-QTOF-MS System. 2012 ,		1
150	Metabolomics study of stepwise hepatocarcinogenesis from the model rats to patients: potential biomarkers effective for small hepatocellular carcinoma diagnosis. 2012 , 11, M111.010694		105
149	Metabolomics in the fields of oncology: a review of recent research. 2012 , 39, 7505-11		25
148	LC Coupled with TOFMS for Metabonomics Study of Mini-pigs with Atherosclerosis. 2012 , 75, 491-497		6
147	Prognostic value of metabolic response in breast cancer patients receiving neoadjuvant chemotherapy. 2012 , 12, 39		59
146	Applications of mass spectrometry to metabolomics and metabonomics: detection of biomarkers of aging and of age-related diseases. <i>Mass Spectrometry Reviews</i> , 2012 , 31, 70-95	11	108
145	Rapid and sensitive HILIC-MS/MS analysis of carnitine and acetylcarnitine in biological fluids. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7397-404	4.4	14
144	Optimization of harvesting, extraction, and analytical protocols for UPLC-ESI-MS-based metabolomic analysis of adherent mammalian cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5279-89	4.4	93
143	Non-invasive detection of drug toxicity in rats by solid-phase extraction and MALDI-TOF analysis of urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2311-20	4.4	8
142	Metabolomic profiling of oesophago-gastric cancer: a systematic review. 2013 , 49, 3625-37		56
141	Separation of carnitine and acylcarnitines in biological samples: a review. 2013 , 27, 1339-53		17

140	Assessment of data pre-processing methods for LC-MS/MS-based metabolomics of uterine cervix cancer. <i>Analyst, The</i> , 2013 , 138, 2669-77	5	25
139	Review of mass spectrometry-based metabolomics in cancer research. 2013 , 22, 2182-201		102
138	Analysis of serum metabolites for the discovery of amino acid biomarkers and the effect of galangin on cerebral ischemia. 2013 , 9, 2311-21		28
137	Metabolic characterization of hepatocellular carcinoma using nontargeted tissue metabolomics. 2013 , 73, 4992-5002		273
136	Rapid quantitative analysis of carnitine and acylcarnitines by ultra-high performance-hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1292, 189-94	4.5	44
135	Holistic metabonomic profiling of urine affords potential early diagnosis for bladder and kidney cancers. 2013 , 9, 119-129		17
134	Urinary metabonomics study on toxicity biomarker discovery in rats treated with Xanthii Fructus. <i>Journal of Ethnopharmacology</i> , 2013 , 149, 311-20	5	31
133	The metabolomic window into hepatobiliary disease. 2013 , 59, 842-58		145
132	UPLC-ESI-QTOF/MS and multivariate data analysis for blood plasma and serum metabolomics: effect of experimental artefacts and anticoagulant. <i>Analytica Chimica Acta</i> , 2013 , 768, 118-28	6.6	91
131	Urinary phenotyping indicates weight loss-independent metabolic effects of Roux-en-Y gastric bypass in mice. 2013 , 12, 1245-53		16
130	Metabolic profiling provides a system understanding of hypothyroidism in rats and its application. 2013 , 8, e55599		28
129	Metabolomics in plants and humans: applications in the prevention and diagnosis of diseases. <i>BioMed Research International</i> , 2013 , 2013, 792527	3	52
128	Global and targeted metabolomics of esophageal squamous cell carcinoma discovers potential diagnostic and therapeutic biomarkers. 2013 , 12, 1306-18		85
127	Application of Holistic Liquid Chromatography-High Resolution Mass Spectrometry Based Urinary Metabolomics for Prostate Cancer Detection and Biomarker Discovery. 2013 , 8, e65880		45
126	Metabolomic study to discriminate the different <i>Bulbus fritillariae</i> species using rapid resolution liquid chromatography-quadrupole time-of-flight mass spectrometry coupled with multivariate statistical analysis. 2014 , 6, 2247		14
125	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> , 2014 , 1374, 1-13	4.5	81
124	Investigation of the therapeutic effectiveness of active components in Sini decoction by a comprehensive GC/LC-MS based metabolomics and network pharmacology approaches. 2014 , 10, 3310-21		30
123	Metabolomic Analysis of Liver Tissue from the VX2 Rabbit Model of Secondary Liver Tumors. 2014 , 2014, 310372		8

122	Urinary Metabonomics Study of Heart Failure Patients with HILIC and RPLC Separation Coupled to TOFMS. 2014 , 77, 249-255		4
121	Metabolomic investigation of human diseases biomarkers by CE and LC coupled to MS. 2014 , 35, 1285-307		18
120	Do not just do it, do it right: urinary metabolomics--establishing clinically relevant baselines. 2014 , 28, 1491-501		19
119	Global and targeted metabolomics reveal that Bupleurotoxin, a toxic type of polyacetylene, induces cerebral lesion by inhibiting GABA receptor in mice. 2014 , 13, 925-33		17
118	The metabolic impact of methamphetamine on the systemic metabolism of rats and potential markers of methamphetamine abuse. 2014 , 10, 1968-77		37
117	UPLC-based metabonomic applications for discovering biomarkers of diseases in clinical chemistry. <i>Clinical Biochemistry</i> , 2014 , 47, 16-26	3.5	100
116	The aspartate metabolism pathway is differentiable in human hepatocellular carcinoma: transcriptomics and (13) C-isotope based metabolomics. 2014 , 27, 381-9		22
115	Investigation and identification of potential biomarkers in human saliva for the early diagnosis of oral squamous cell carcinoma. 2014 , 427, 79-85		65
114	Advanced development in chemical analysis of Cordyceps. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 87, 271-89	3.5	68
113	Three plasma metabolite signatures for diagnosing high altitude pulmonary edema. <i>Scientific Reports</i> , 2015 , 5, 15126	4.9	22
112	Metabolomics Identifies Biomarker Pattern for Early Diagnosis of Hepatocellular Carcinoma: from Diethylnitrosamine Treated Rats to Patients. <i>Scientific Reports</i> , 2015 , 5, 16101	4.9	28
111	Metabolomic profiles of hepatocellular carcinoma in a European prospective cohort. 2015 , 13, 242		60
110	Solid phase extraction methodology for UPLC-MS based metabolic profiling of urine samples. 2015 , 36, 2170-2178		15
109	GC-MS Based Plasma Metabolomics for Identification of Candidate Biomarkers for Hepatocellular Carcinoma in Egyptian Cohort. 2015 , 10, e0127299		44
108	Current Challenges in Volatile Organic Compounds Analysis as Potential Biomarkers of Cancer. 2015 , 2015, 981458		81
107	Biomarker identification and pathway analysis by serum metabolomics of lung cancer. <i>BioMed Research International</i> , 2015 , 2015, 183624	3	25
106	A metabolomics approach to unravel the regulating role of phytohormones towards carotenoid metabolism in tomato fruit. 2015 , 11, 667-683		10
105	Metabolomic profiling of human serum in lung cancer patients using liquid chromatography/hybrid quadrupole time-of-flight mass spectrometry and gas chromatography/mass spectrometry. 2015 , 141, 705-18		40

104	Identification of potential erythrocyte phospholipid fatty acid biomarkers of advanced lung adenocarcinoma, squamous cell lung carcinoma, and small cell lung cancer. 2015 , 36, 5687-98		18
103	Human metabolic responses to chronic environmental polycyclic aromatic hydrocarbon exposure by a metabolomic approach. 2015 , 14, 2583-93		52
102	Proteomic and metabolomic biomarkers for hepatocellular carcinoma: a comprehensive review. 2015 , 112, 1141-56		86
101	The Progress of Metabolomics Study in Traditional Chinese Medicine Research. 2015 , 43, 1281-310		23
100	Metabonomic study of biochemical changes in urinary of type 2 diabetes mellitus patients after the treatment of sulfonylurea antidiabetic drugs based on ultra-performance liquid chromatography/mass spectrometry. 2015 , 29, 115-22		20
99	Comparison of capillary electrophoresis-mass spectrometry and hydrophilic interaction chromatography-mass spectrometry for anionic metabolic profiling of urine. <i>Talanta</i> , 2015 , 132, 1-7	6.2	25
98	HILIC-MS for metabolomics: An attractive and complementary approach to RPLC-MS. <i>Mass Spectrometry Reviews</i> , 2016 , 35, 574-600	11	136
97	Hepatocellular carcinoma: Review of disease and tumor biomarkers. 2016 , 8, 471-84		43
96	The Significance of Metabolomics in Human Health. 2016 , 89-100		2
95	Metabolomics reveals hippocampal metabolic fluctuations of postoperative fatigue syndrome and anti-fatigue effect of <i>Carthamus tinctorius</i> L extract in rat model. 2017 , 30, 1052-1058		1
94	Metabolomics reveals positive acceleration(+Gz)-induced metabolic perturbations and the protective effect of Ginkgo biloba extract in a rat model based on ultra high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 125, 77-84	3.5	4
93	Untargeted saliva metabonomics study of breast cancer based on ultra performance liquid chromatography coupled to mass spectrometry with HILIC and RPLC separations. <i>Talanta</i> , 2016 , 158, 351-360	6.2	38
92	Urinary Metabotyping of Hepatocellular Carcinoma in a UK Cohort Using Proton Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Clinical and Experimental Hepatology</i> , 2016 , 6, 186-194	4.1	8
91	Increased involvement of Panax notoginseng in the mechanism of decreased hepatotoxicity induced by Tripterygium wilfordii in rats. <i>Journal of Ethnopharmacology</i> , 2016 , 185, 243-54	5	15
90	Quantitative analysis of amino acids and acylcarnitines combined with untargeted metabolomics using ultra-high performance liquid chromatography and quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1027, 40-9	3.2	21
89	Urinary exposure marker discovery for toxicants using ultra-high pressure liquid chromatography coupled with Orbitrap high resolution mass spectrometry and three untargeted metabolomics approaches. <i>Analytica Chimica Acta</i> , 2016 , 939, 73-83	6.6	13
88	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , 2016 , 6, 37275	4.9	28
87	Global metabolomics reveals potential urinary biomarkers of esophageal squamous cell carcinoma for diagnosis and staging. <i>Scientific Reports</i> , 2016 , 6, 35010	4.9	26

86	Metabolite variations between acute-on-chronic liver failure and chronic liver failure caused by hepatitis B virus based on ultra-performance liquid chromatography mass spectrometry. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 84, 994-1000	7.5	7
85	Ozonation of ranitidine: Effect of experimental parameters and identification of transformation products. <i>Science of the Total Environment</i> , 2016 , 557-558, 170-82	10.2	32
84	Multi-dimensional, comprehensive sample extraction combined with LC-GC/MS analysis for complex biological samples: application in the metabolomics study of acute pancreatitis. <i>RSC Advances</i> , 2016 , 6, 25837-25849	3.7	13
83	Metabolic changes at the early stage of sepsis induced by cecal ligation and puncture in rats and the interventional effects of Huang-Lian-Jie-Du-Tang. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1026, 176-182	3.2	7
82	Mass spectrometric based approaches in urine metabolomics and biomarker discovery. <i>Mass Spectrometry Reviews</i> , 2017 , 36, 115-134	11	148
81	Metabolic profiling of human plasma and urine in chronic kidney disease by hydrophilic interaction liquid chromatography coupled with time-of-flight mass spectrometry: a pilot study. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2201-2211	4.4	26
80	Salt Segregation and Sample Cleanup on Perfluoro-Coated Nanostructured Surfaces for Laser Desorption Ionization Mass Spectrometry of Biofluid Samples. <i>Analytical Chemistry</i> , 2017 , 89, 3362-3369	7.8	7
79	Serum lipid alterations identified in chronic hepatitis B, hepatitis B virus-associated cirrhosis and carcinoma patients. <i>Scientific Reports</i> , 2017 , 7, 42710	4.9	20
78	Exhaled breath and oral cavity VOCs as potential biomarkers in oral cancer patients. <i>Journal of Breath Research</i> , 2017 , 11, 016015	3.1	32
77	Analysing Algorithms and Data Sources for the Tissue-Specific Reconstruction of Liver Healthy and Cancer Cells. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2017 , 9, 36-45	3.5	6
76	Pharmacometabolomics for predicting variable busulfan exposure in paediatric haematopoietic stem cell transplantation patients. <i>Scientific Reports</i> , 2017 , 7, 1711	4.9	17
75	Metabolic Pathway Extension Approach for Metabolomic Biomarker Identification. <i>Analytical Chemistry</i> , 2017 , 89, 1229-1237	7.8	24
74	Effects of Shu Gan Jian Pi formula on rats with carbon tetrachloride-induced liver fibrosis using serum metabolomics based on gas chromatography-time of flight mass spectrometry. <i>Molecular Medicine Reports</i> , 2017 , 16, 3901-3909	2.9	10
73	Detecting serum and urine metabolic profile changes of CCl ₄ -liver fibrosis in rats at 12 weeks based on gas chromatography-mass spectrometry. <i>Experimental and Therapeutic Medicine</i> , 2017 , 14, 1496-1504	2.1	8
72	Metabolomic approach to understand the acute and chronic hepatotoxicity of Veratrum nigrum extract in mice based on ultra-high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Toxicology Mechanisms and Methods</i> , 2017 , 27, 687-696	3.6	4
71	An integrative investigation of the toxicity of Aconiti kusnezoffii radix and the attenuation effect of its processed drug using a UHPLC-Q-TOF based rat serum and urine metabolomics strategy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 145, 240-247	3.5	20
70	Classifying osteosarcoma patients using machine learning approaches. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 82-85	0.9	9
69	Membrane Introduction Mass Spectrometry Combined with an Orthogonal Partial-Least Squares Calibration Model for Mixture Analysis. <i>Analytical Sciences</i> , 2017 , 33, 1225-1230	1.7	5

68	Exposure Marker Discovery of Phthalates Using Mass Spectrometry. <i>Mass Spectrometry</i> , 2017 , 6, S0062	1.7	5
67	Serum and Liver Tissue Metabonomic Study on Fatty Liver in Rats Induced by High-Fat Diet and Intervention Effects of Traditional Chinese Medicine Qushi Huayu Decoction. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017 , 2017, 6242697	2.3	14
66	The utility of biomarkers in hepatocellular carcinoma: review of urine-based H-NMR studies - what the clinician needs to know. <i>International Journal of General Medicine</i> , 2017 , 10, 431-442	2.3	6
65	Current and future perspectives of functional metabolomics in disease studies-A review. <i>Analytica Chimica Acta</i> , 2018 , 1037, 41-54	6.6	50
64	High-pressure photon ionization time-of-flight mass spectrometry combined with dynamic purge-injection for rapid analysis of volatile metabolites in urine. <i>Analytica Chimica Acta</i> , 2018 , 1008, 74-81	6.6	12
63	Metabolomics: A High-Throughput Platform for Metabolite Profile Exploration. <i>Methods in Molecular Biology</i> , 2018 , 1754, 265-292	1.4	17
62	Phospholipids as cancer biomarkers: Mass spectrometry-based analysis. <i>Mass Spectrometry Reviews</i> , 2018 , 37, 107-138	11	93
61	Identification of β -or (β)-Hydroxylated Medium-Chain Acylcarnitines as Novel Urinary Biomarkers for CYP3A Activity. <i>Clinical Pharmacology and Therapeutics</i> , 2018 , 103, 879-887	6.1	8
60	Serially coupled reversed phase-hydrophilic interaction liquid chromatography-tailored multiple reaction monitoring, a fit-for-purpose tool for large-scale targeted metabolomics of medicinal bile. <i>Analytica Chimica Acta</i> , 2018 , 1037, 119-129	6.6	33
59	Omics Technology: Lipidomics and Its Pitfalls During the Preanalytical Stage. 2018 ,		
58	Omics Applications for Systems Biology. <i>Advances in Experimental Medicine and Biology</i> , 2018 ,	3.6	7
57	Metabolomics in Systems Biology. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1102, 51-68	3.6	15
56	Dysregulated serum metabolites in staging of hepatocellular carcinoma. <i>Clinical Biochemistry</i> , 2018 , 61, 7-11	3.5	6
55	Characterisation of the Urinary Metabolic Profile of Liver Fluke-Associated Cholangiocarcinoma. <i>Journal of Clinical and Experimental Hepatology</i> , 2019 , 9, 657-675	4.1	6
54	Development of an At-Column Dilution Modulator for Flexible and Precise Control of Dilution Factors to Overcome Mobile Phase Incompatibility in Comprehensive Two-Dimensional Liquid Chromatography. <i>Analytical Chemistry</i> , 2019 , 91, 10251-10257	7.8	12
53	Metabolomic Study on Nude Mice Models of Gastric Cancer Treated with Modified Si Jun Zi Tang via HILIC UHPLC-Q-TOF/MS Analysis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 3817879	2.3	7
52	Untargeted and Targeted Discrimination of Honey Collected by and Based on Volatiles Using HS-GC-IMS and HS-SPME-GC-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 12144-12152	5.7	46
51	Development and testing of an efficient data acquisition platform for machine learning of optical emission spectroscopy of plasmas in aqueous solution. <i>Plasma Sources Science and Technology</i> , 2019 , 28, 105013	3.5	6

50	Cancer metabolomic markers in urine: evidence, techniques and recommendations. <i>Nature Reviews Urology</i> , 2019 , 16, 339-362	5.5	59
49	A Metabolomic Study on the Intervention of Traditional Chinese Medicine Qushi Huayu Decoction on Rat Model of Fatty Liver Induced by High-Fat Diet. <i>BioMed Research International</i> , 2019 , 2019, 5920483	3	6
48	Circadian and wake-dependent changes in human plasma polar metabolites during prolonged wakefulness: A preliminary analysis. <i>Scientific Reports</i> , 2019 , 9, 4428	4.9	18
47	Untargeted LC/MS-based metabolic phenotyping (metabonomics/metabolomics): The state of the art. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1117, 136-147	3.2	63
46	Function, Detection and Alteration of Acylcarnitine Metabolism in Hepatocellular Carcinoma. <i>Metabolites</i> , 2019 , 9,	5.6	41
45	Profiling of plasma metabolomics in patients with hepatitis C-related liver cirrhosis and hepatocellular carcinoma. <i>Clinical and Experimental Hepatology</i> , 2019 , 5, 317-326	2.2	3
44	A green triple-locked strategy based on volatile-compound imaging, chemometrics, and markers to discriminate winter honey and sapium honey using headspace gas chromatography-ion mobility spectrometry. <i>Food Research International</i> , 2019 , 119, 960-967	7	42
43	Applications of Metabolic Phenotyping in Epidemiology. 2019 , 491-534		
42	Metabolic profiling for water-soluble metabolites in patients with schizophrenia and healthy controls in a Chinese population: A case-control study. <i>World Journal of Biological Psychiatry</i> , 2020 , 21, 357-367	3.8	7
41	Metabolomics as a tool to unravel the oxidative stress-induced toxicity of ambient air pollutants. 2020 , 463-488		4
40	Metabolomics applied to cultured human and animal cells. 2020 , 137-157		1
39	Liquid-Chromatographic Methods for Carboxylic Acids in Biological Samples. <i>Molecules</i> , 2020 , 25,	4.8	1
38	Comparative study of alterations in phospholipid profiles upon liver cancer in humans and mice. <i>Analyst, The</i> , 2020 , 145, 6470-6477	5	6
37	Metabolomics markers in Neurology: current knowledge and future perspectives for therapeutic targeting. <i>Expert Review of Neurotherapeutics</i> , 2020 , 20, 725-738	4.3	1
36	FeOOH@Metal-Organic Framework Core-Satellite Nanocomposites for the Serum Metabolic Fingerprinting of Gynecological Cancers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10831-10835	16.4	68
35	From Folk Taxonomy to Species Confirmation of (Acoraceae): Evidences Based on Phylogenetic and Metabolomic Analyses. <i>Frontiers in Plant Science</i> , 2020 , 11, 965	6.2	8
34	FeOOH@Metal-Organic Framework Core-Satellite Nanocomposites for the Serum Metabolic Fingerprinting of Gynecological Cancers. <i>Angewandte Chemie</i> , 2020 , 132, 10923-10927	3.6	10
33	Combining metabolomics with bioanalysis methods to investigate the potential toxicity of dihexyl phthalate. <i>Environmental Toxicology</i> , 2021 , 36, 213-222	4.2	0

32	Using serum peptidomics to discovery the diagnostic marker for different stage of ulcerative colitis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 193, 113725	3.5	1
31	Metabonomics study on orthotopic transplantation mice model of colon cancer treated with Astragalus membranaceus-Curcuma wenyujin in different proportions via UPLC-Q-TOF/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 193, 113708	3.5	7
30	Altered Gut Microbial Metabolites in Amnesic Mild Cognitive Impairment and Alzheimer's Disease: Signals in Host-Microbe Interplay. <i>Nutrients</i> , 2021 , 13,	6.7	23
29	Quantification of endogenous amino acids and amino acid derivatives in urine by hydrophilic interaction liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1642, 462005	4.5	5
28	Dynamic Metabolomics Study of the Bile Acid Pathway During Perioperative Primary Hepatic Carcinoma Following Liver Transplantation. <i>Annals of Transplantation</i> , 2020 , 25, e921844	1.4	4
27	Significant association between functional microRNA polymorphisms and coronary heart disease susceptibility: a comprehensive meta-analysis involving 16484 subjects. <i>Oncotarget</i> , 2017 , 8, 5692-5702	3.3	16
26	Current Progress of Lipid Analysis in Metabolic Diseases by Mass Spectrometry Methods. <i>Current Medicinal Chemistry</i> , 2019 , 26, 60-103	4.3	12
25	Metabolomics of gastric cancer metastasis detected by gas chromatography and mass spectrometry. <i>World Journal of Gastroenterology</i> , 2010 , 16, 5874-80	5.6	46
24	Metabonomics of Hepatocellular Carcinoma. 2012 , 155-177		
23	Recent Development of GC-MS-Based Analytical Procedures of Metabolomics in Screening of Lung Cancer Biomarkers. <i>Advances in Analytical Chemistry</i> , 2014 , 04, 11-19	0	
22	Correlation analysis of urine metabolites and clinical staging in patients with ovarian cancer. <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 18165-71		11
21	Metabolomic analysis of human cirrhosis, hepatocellular carcinoma, non-alcoholic fatty liver disease and non-alcoholic steatohepatitis diseases. <i>Gastroenterology and Hepatology From Bed To Bench</i> , 2016 , 9, 158-73	1.2	44
20	Proteomics and Metabolomics in Cancer Diagnosis and Therapy. 2021 , 1-31		
19	Biomarkers of Mycoplasma pneumoniae pneumonia in children by urine metabolomics based on Q Exactive liquid chromatography tandem mass spectrometry.. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , e9234	2.2	0
18	Metabolomic biomarkers for hepatocellular carcinoma: A systematic review.. <i>Medicine (United States)</i> , 2022 , 101, e28510	1.8	
17	Proteomics and Metabolomics in Cancer Diagnosis and Therapy. 2022 , 2309-2338		
16	Metabolomics and microbiomes for discovering biomarkers of antituberculosis drugs-induced hepatotoxicity.. <i>Archives of Biochemistry and Biophysics</i> , 2022 , 716, 109118	4.1	0
15	Separation techniques. 2022 , 63-108		

14	Guide to Metabolomics Analysis: A Bioinformatics Workflow.. <i>Metabolites</i> , 2022 , 12,	5.6	1
13	Image_1.tif. 2020 ,		
12	Image_2.tif. 2020 ,		
11	Image_3.tif. 2020 ,		
10	Table_1.docx. 2020 ,		
9	Table_2.docx. 2020 ,		
8	Table_3.docx. 2020 ,		
7	Table_4.xlsx. 2020 ,		
6	Proteomics and Metabolomics in Cancer Diagnosis and Therapy. 2022 , 1-29		
5	Proteomics and Metabolomics in Cancer Diagnosis and Therapy. 2022 , 3649-3677		o
4	Urinary Metabolic Profiling of Liver Fluke-Induced Cholangiocarcinoma: A Follow-Up Study. 2022 ,		o
3	3D plasmonic coral nanoarchitecture paper for label-free human urine sensing and deep learning-assisted cancer screening. 2023 , 224, 115076		1
2	Circulating Biomarkers for the Early Diagnosis and Management of Hepatocellular Carcinoma with Potential Application in Resource-Limited Settings. 2023 , 13, 676		o
1	DT-109 ameliorates nonalcoholic steatohepatitis in nonhuman primates. 2023 ,		o