

Liang Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

244
papers

11,630
citations

54
h-index

102
g-index

667
ext. papers

13,182
ext. citations

6.1
avg, IF

6.5
L-index

#	Paper	IF	Citations
244	Development of a method for dansylation of metabolites using organic solvent-compatible buffer systems for amine/phenol submetabolome analysis. <i>Analytica Chimica Acta</i> , 2022 , 1189, 339218	6.6	0
243	Microbial metabolites in the marine carbon cycle.. <i>Nature Microbiology</i> , 2022 , 7, 508-523	26.6	2
242	Comprehensive Metabolomic Comparison of Five Cereal Vinegars Using Non-Targeted and Chemical Isotope Labeling LC-MS Analysis. <i>Metabolites</i> , 2022 , 12, 427	5.6	0
241	Metabolomics of Small Numbers of Cells Using Chemical Isotope Labeling Combined with Nanoflow LC-MS. <i>Neuromethods</i> , 2021 , 49-60	0.4	
240	Endoplasmic reticulum stress/XBP1 promotes airway mucin secretion under the influence of neutrophil elastase. <i>International Journal of Molecular Medicine</i> , 2021 , 47,	4.4	2
239	High-coverage quantitative liver metabolomics using perfused and non-perfused liver tissues. <i>Analytica Chimica Acta</i> , 2021 , 1153, 338300	6.6	0
238	High-Coverage Metabolome Analysis Reveals Significant Diet Effects of Autoclaved and Irradiated Feed on Mouse Fecal and Urine Metabolomics. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100110	5.9	0
237	Comprehensive Serum Lipidomics for Detecting Incipient Dementia in Parkinson's Disease. <i>Journal of Proteome Research</i> , 2021 , 20, 4053-4067	5.6	4
236	Lipidome Alterations Induced by Cystic Fibrosis, CFTR Mutation, and Lung Function. <i>Journal of Proteome Research</i> , 2021 , 20, 549-564	5.6	6
235	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
234	Chemical Isotope Labeling LC-MS for Metabolomics. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1280, 1-18	3.6	0
233	Distinctive metabolic profiles between Cystic Fibrosis mutational subclasses and lung function. <i>Metabolomics</i> , 2021 , 17, 4	4.7	3
232	Normalization of Samples of Limited Amounts in Quantitative Metabolomics Using Liquid Chromatography Fluorescence Detection with Dansyl Labeling of Metabolites. <i>Analytical Chemistry</i> , 2021 , 93, 3418-3425	7.8	1
231	Tissue Lipidomic Alterations Induced by Prolonged Dexamethasone Treatment. <i>Journal of Proteome Research</i> , 2021 , 20, 1558-1570	5.6	4
230	Non-surgical management of an abrupt cavitation and large oval-shaped lung abscess secondary to acute thromboembolic pulmonary infarction: a case report. <i>Journal of International Medical Research</i> , 2021 , 49, 3000605211031682	1.4	
229	Toxicity mechanisms of polystyrene microplastics in marine mussels revealed by high-coverage quantitative metabolomics using chemical isotope labeling liquid chromatography mass spectrometry. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126003	12.8	24
228	Metabolic profile of irradiated whole blood by chemical isotope-labeling liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 204, 114247	2.5	0

227	Effects of Freeze-Thaw Cycles of Blood Samples on High-Coverage Quantitative Metabolomics. <i>Analytical Chemistry</i> , 2020 , 92, 9265-9272	7.8	5
226	Comprehensive Lipidomic and Metabolomic Analysis for Studying Metabolic Changes in Lung Tissue Induced by a Vaccine against Respiratory Syncytial Virus. <i>ACS Infectious Diseases</i> , 2020 , 6, 2130-2142	5.5	6
225	Dexamethasone-Induced Perturbations in Tissue Metabolomics Revealed by Chemical Isotope Labeling LC-MS analysis. <i>Metabolites</i> , 2020 , 10,	5.6	13
224	Retention time shift analysis and correction in chemical isotope labeling liquid chromatography/mass spectrometry for metabolome analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 1, e8643	2.2	2
223	Metabolomic profile overlap in prototypical autoimmune humoral disease: a comparison of myasthenia gravis and rheumatoid arthritis. <i>Metabolomics</i> , 2020 , 16, 10	4.7	6
222	A multiomics approach to heterogeneity in Alzheimer's disease: focused review and roadmap. <i>Brain</i> , 2020 , 143, 1315-1331	11.2	40
221	Characterizing the effects of hypoxia on the metabolic profiles of mesenchymal stromal cells derived from three tissue sources using chemical isotope labeling liquid chromatography-mass spectrometry. <i>Cell and Tissue Research</i> , 2020 , 380, 79-91	4.2	1
220	Evaluating and minimizing batch effects in metabolomics. <i>Mass Spectrometry Reviews</i> , 2020 ,	11	15
219	Chemical derivatization in LC-MS-based metabolomics study. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 131, 115988	14.6	30
218	Development of a NanoLC-MS workflow for high-sensitivity global lipidomic analysis. <i>Analytica Chimica Acta</i> , 2020 , 1139, 88-99	6.6	6
217	Distinctive Metabolomics Patterns Associated With Insulin Resistance and Type 2 Diabetes Mellitus. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 609806	5.6	11
216	High tolerance to instrument drifts by differential chemical isotope labeling LC-MS: A case study of the effect of LC leak in long-term sample runs on quantitative metabolome analysis. <i>Journal of Mass Spectrometry</i> , 2020 , 56, e4589	2.2	1
215	Obesity Connected Metabolic Changes in Type 2 Diabetic Patients Treated With Metformin. <i>Frontiers in Pharmacology</i> , 2020 , 11, 616157	5.6	2
214	The Biochemical Markers Associated with the Occurrence of Coronary Spasm. <i>BioMed Research International</i> , 2019 , 2019, 4834202	3	1
213	Metabolomic Coverage of Chemical-Group-Submetabolome Analysis: Group Classification and Four-Channel Chemical Isotope Labeling LC-MS. <i>Analytical Chemistry</i> , 2019 , 91, 12108-12115	7.8	48
212	Chemical isotope labeling liquid chromatography mass spectrometry for investigating acute dietary effects of cow milk consumption on human urine metabolome. <i>Journal of Food and Drug Analysis</i> , 2019 , 27, 565-574	7	4
211	Metabolomic and Immunological Profiling of Respiratory Syncytial Virus Infection after Intranasal Immunization with a Subunit Vaccine Candidate. <i>Journal of Proteome Research</i> , 2019 , 18, 1145-1161	5.6	8
210	A New Segmented Virus Associated with Human Febrile Illness in China. <i>New England Journal of Medicine</i> , 2019 , 380, 2116-2125	59.2	63

209	Mass Accuracy Check Using Common Background Peaks for Improving Metabolome Data Quality in Chemical Isotope Labeling LC-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1733-1741	3.5	3
208	Thioimide Bond Formation between Cardiac Troponin C and Nitrile-containing Compounds. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 1007-1012	4.3	3
207	Controlling Preanalytical Process in High-Coverage Quantitative Metabolomics: Spot-Sample Collection for Mouse Urine and Fecal Metabolome Profiling. <i>Analytical Chemistry</i> , 2019 , 91, 4958-4963	7.8	10
206	Targeting amine- and phenol-containing metabolites in urine by dansylation isotope labeling and liquid chromatography mass spectrometry for evaluation of bladder cancer biomarkers. <i>Journal of Food and Drug Analysis</i> , 2019 , 27, 460-474	7	6
205	Beyond the antibodies: serum metabolomic profiling of myasthenia gravis. <i>Metabolomics</i> , 2019 , 15, 109	4.7	3
204	Metabolomic study of stress responses leading to plant resistance in mandarin fruit mediated by preventive applications of <i>Bacillus subtilis</i> cyclic lipopeptides. <i>Postharvest Biology and Technology</i> , 2019 , 156, 110946	6.2	3
203	MSC-triggered metabolomic alterations in liver-resident immune cells isolated from CCl ₄ -induced mouse ALI model. <i>Experimental Cell Research</i> , 2019 , 383, 111511	4.2	6
202	Metabolomics Distinguishes DOCK8 Deficiency from Atopic Dermatitis: Towards a Biomarker Discovery. <i>Metabolites</i> , 2019 , 9,	5.6	9
201	Structure and proteolytic susceptibility of the inhibitory C-terminal tail of cardiac troponin I. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 661-671	4	5
200	Integrated analyses utilizing metabolomics and transcriptomics reveal perturbation of the polyamine pathway in oral cavity squamous cell carcinoma. <i>Analytica Chimica Acta</i> , 2019 , 1050, 113-122	6.6	22
199	Development of chemical isotope labeling LC-MS for tissue metabolomics and its application for brain and liver metabolome profiling in Alzheimer's disease mouse model. <i>Analytica Chimica Acta</i> , 2019 , 1050, 95-104	6.6	18
198	Impact of Oxygen Concentration on Metabolic Profile of Human Placenta-Derived Mesenchymal Stem Cells As Determined by Chemical Isotope Labeling LC-MS. <i>Journal of Proteome Research</i> , 2018 , 17, 1866-1878	5.6	8
197	Reversible Covalent Reaction of Levosimendan with Cardiac Troponin C in Vitro and in Situ. <i>Biochemistry</i> , 2018 , 57, 2256-2265	3.2	6
196	High-Performance Chemical Isotope Labeling Liquid Chromatography Mass Spectrometry for Exosome Metabolomics. <i>Analytical Chemistry</i> , 2018 , 90, 8314-8319	7.8	47
195	Chemical Isotope Labeling LC-MS for Human Blood Metabolome Analysis. <i>Methods in Molecular Biology</i> , 2018 , 1730, 213-225	1.4	8
194	Development of a simple and efficient method of harvesting and lysing adherent mammalian cells for chemical isotope labeling LC-MS-based cellular metabolomics. <i>Analytica Chimica Acta</i> , 2018 , 1037, 97-106	6.6	14
193	Applying quantitative metabolomics based on chemical isotope labeling LC-MS for detecting potential milk adulterant in human milk. <i>Analytica Chimica Acta</i> , 2018 , 1001, 78-85	6.6	17
192	Bretschneider solution-induced alterations in the urine metabolome in cardiac surgery patients. <i>Scientific Reports</i> , 2018 , 8, 17774	4.9	6

191	Improving accuracy of peak-pair intensity ratio measurement in differential chemical isotope labeling LCMS for quantitative metabolomics. <i>International Journal of Mass Spectrometry</i> , 2018 , 434, 202-208	1.9	1
190	Alzheimer's Biomarkers From Multiple Modalities Selectively Discriminate Clinical Status: Relative Importance of Salivary Metabolomics Panels, Genetic, Lifestyle, Cognitive, Functional Health and Demographic Risk Markers. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 296	5.3	14
189	Dansylhydrazine Isotope Labeling LC-MS for Comprehensive Carboxylic Acid Submetabolome Profiling. <i>Analytical Chemistry</i> , 2018 , 90, 13514-13522	7.8	23
188	Metabolic profiling associated with autophagy of human placenta-derived mesenchymal stem cells by chemical isotope labeling LC-MS. <i>Experimental Cell Research</i> , 2018 , 372, 52-60	4.2	2
187	Metabolomics Analyses of Saliva Detect Novel Biomarkers of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018 , 65, 1401-1416	4.3	35
186	Quantification of 38 dietary polyphenols in plasma by differential isotope labelling and liquid chromatography electrospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1558, 50-58	4.5	23
185	Chemical Isotope Labeling LC-MS for Monitoring Disease Progression and Treatment in Animal Models: Plasma Metabolomics Study of Osteoarthritis Rat Model. <i>Scientific Reports</i> , 2017 , 7, 40543	4.9	14
184	Impact of Low-Intensity Pulsed Ultrasound on Transcript and Metabolite Abundance in <i>Saccharomyces cerevisiae</i> . <i>Journal of Proteome Research</i> , 2017 , 16, 2975-2982	5.6	5
183	Development of High-Performance Chemical Isotope Labeling LC-MS for Profiling the Carbonyl Submetabolome. <i>Analytical Chemistry</i> , 2017 , 89, 6758-6765	7.8	64
182	Development of Chemical Isotope Labeling LC-MS for Milk Metabolomics: Comprehensive and Quantitative Profiling of the Amine/Phenol Submetabolome. <i>Analytical Chemistry</i> , 2017 , 89, 4435-4443	7.8	25
181	Metabolomics of Small Numbers of Cells: Metabolomic Profiling of 100, 1000, and 10000 Human Breast Cancer Cells. <i>Analytical Chemistry</i> , 2017 , 89, 11664-11671	7.8	54
180	Metabolomic analysis of oxidative stress: Superoxide dismutase mutation and paraquat induced stress in <i>Drosophila melanogaster</i> . <i>Free Radical Biology and Medicine</i> , 2017 , 113, 323-334	7.8	17
179	The Impact of GFP Reporter Gene Transduction and Expression on Metabolomics of Placental Mesenchymal Stem Cells Determined by UHPLC-Q/TOF-MS. <i>Stem Cells International</i> , 2017 , 2017, 3167985	5	4
178	Profiling novel metabolic biomarkers for Parkinson's disease using in-depth metabolomic analysis. <i>Movement Disorders</i> , 2017 , 32, 1720-1728	7	47
177	Overcoming Sample Matrix Effect in Quantitative Blood Metabolomics Using Chemical Isotope Labeling Liquid Chromatography Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 9424-9431	7.8	19
176	Identification of ABC transporters acting in vitamin B metabolism in <i>Caenorhabditis elegans</i> . <i>Molecular Genetics and Metabolism</i> , 2017 , 122, 160-171	3.7	2
175	Brain Transforming Growth Factor- β Resists Hypertension Via Regulating Microglial Activation. <i>Stroke</i> , 2017 , 48, 2557-2564	6.7	17
174	Nonocclusive Sweat Collection Combined with Chemical Isotope Labeling LC-MS for Human Sweat Metabolomics and Mapping the Sweat Metabolomes at Different Skin Locations. <i>Analytical Chemistry</i> , 2017 , 89, 7847-7851	7.8	22

173	Elevated acetyl-CoA by amino acid recycling fuels microalgal neutral lipid accumulation in exponential growth phase for biofuel production. <i>Plant Biotechnology Journal</i> , 2017 , 15, 497-509	11.6	28
172	Downregulation of PDCD4 by miR-21 suppresses tumor transformation and proliferation in a nude mouse renal cancer model. <i>Oncology Letters</i> , 2017 , 14, 3371-3378	2.6	11
171	Activation of the Na/H exchanger in isolated cardiomyocytes through ERaf dependent pathways. Role of Thr of the cytosolic tail. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 99, 65-75	5.8	5
170	Metabolite Analysis and Histology on the Exact Same Tissue: Comprehensive Metabolomic Profiling and Metabolic Classification of Prostate Cancer. <i>Scientific Reports</i> , 2016 , 6, 32272	4.9	24
169	Development of chemical isotope labeling liquid chromatography mass spectrometry for silkworm hemolymph metabolomics. <i>Analytica Chimica Acta</i> , 2016 , 942, 1-11	6.6	8
168	Sample normalization methods in quantitative metabolomics. <i>Journal of Chromatography A</i> , 2016 , 1430, 80-95	4.5	158
167	Differential Isotope Labeling of 38 Dietary Polyphenols and Their Quantification in Urine by Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 2637-44	7.8	50
166	High-Performance Chemical Isotope Labeling Liquid Chromatography-Mass Spectrometry for Profiling the Metabolomic Reprogramming Elicited by Ammonium Limitation in Yeast. <i>Journal of Proteome Research</i> , 2016 , 15, 1602-12	5.6	15
165	Dansylation isotope labeling liquid chromatography mass spectrometry for parallel profiling of human urinary and fecal submetabolomes. <i>Analytica Chimica Acta</i> , 2016 , 903, 100-9	6.6	24
164	Comprehensive and Quantitative Profiling of the Human Sweat Submetabolome Using High-Performance Chemical Isotope Labeling LC-MS. <i>Analytical Chemistry</i> , 2016 , 88, 7378-86	7.8	30
163	Parallel Metabolomic Profiling of Cerebrospinal Fluid and Serum for Identifying Biomarkers of Injury Severity after Acute Human Spinal Cord Injury. <i>Scientific Reports</i> , 2016 , 6, 38718	4.9	26
162	Cognitive Enhancement in Infants Associated with Increased Maternal Fruit Intake During Pregnancy: Results from a Birth Cohort Study with Validation in an Animal Model. <i>EBioMedicine</i> , 2016 , 8, 331-340	8.8	13
161	Cerebrospinal Fluid Metabolomics After Natural Product Treatment in an Experimental Model of Cerebral Ischemia. <i>OMICS A Journal of Integrative Biology</i> , 2016 , 20, 670-680	3.8	6
160	Chemical Isotope Labeling LC-MS for High Coverage and Quantitative Profiling of the Hydroxyl Submetabolome in Metabolomics. <i>Analytical Chemistry</i> , 2016 , 88, 10617-10623	7.8	58
159	Quantitative Metabolome Analysis Based on Chromatographic Peak Reconstruction in Chemical Isotope Labeling Liquid Chromatography Mass Spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 7011-6	7.8	54
158	Hydrolysis enhances bioavailability of proanthocyanidin-derived metabolites and improves Ecell function in glucose intolerant rats. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 850-9	6.3	13
157	Development of versatile isotopic labeling reagents for profiling the amine submetabolome by liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2015 , 881, 107-16	6.6	17
156	Effects of sample injection amount and time-of-flight mass spectrometric detection dynamic range on metabolome analysis by high-performance chemical isotope labeling LC-MS. <i>Journal of Proteomics</i> , 2015 , 118, 130-9	3.9	14

155	Nanoflow LC-MS for High-Performance Chemical Isotope Labeling Quantitative Metabolomics. <i>Analytical Chemistry</i> , 2015 , 87, 11468-74	7.8	26
154	Matrix effect on chemical isotope labeling and its implication in metabolomic sample preparation for quantitative metabolomics. <i>Metabolomics</i> , 2015 , 11, 1733-1742	4.7	16
153	MyCompoundID MS/MS Search: Metabolite Identification Using a Library of Predicted Fragment-Ion-Spectra of 383,830 Possible Human Metabolites. <i>Analytical Chemistry</i> , 2015 , 87, 10619-26	7.8	78
152	DnsID in MyCompoundID for rapid identification of dansylated amine- and phenol-containing metabolites in LC-MS-based metabolomics. <i>Analytical Chemistry</i> , 2015 , 87, 9838-45	7.8	78
151	High glucose promotes gastric cancer chemoresistance in vivo and in vitro. <i>Molecular Medicine Reports</i> , 2015 , 12, 843-50	2.9	25
150	Alteration of mevalonate pathway in proliferated vascular smooth muscle from diabetic mice: possible role in high-glucose-induced atherogenic process. <i>Journal of Diabetes Research</i> , 2015 , 2015, 379287	3.9	19
149	Counting missing values in a metabolite-intensity data set for measuring the analytical performance of a metabolomics platform. <i>Analytical Chemistry</i> , 2015 , 87, 1306-13	7.8	61
148	MMP-2 inhibits PCSK9-induced degradation of the LDL receptor in Hepa1-c1c7 cells. <i>FEBS Letters</i> , 2015 , 589, 490-6	3.8	8
147	Development of high-performance chemical isotope labeling LC-MS for profiling the human fecal metabolome. <i>Analytical Chemistry</i> , 2015 , 87, 829-36	7.8	58
146	PEP search in MyCompoundID: detection and identification of dipeptides and tripeptides using dimethyl labeling and hydrophilic interaction liquid chromatography tandem mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 3568-74	7.8	22
145	Chemical-vapor-assisted electrospray ionization for increasing analyte signals in electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 331-5	7.8	11
144	Microwave-assisted acid hydrolysis of proteins combined with peptide fractionation and mass spectrometry analysis for characterizing protein terminal sequences. <i>Journal of Proteomics</i> , 2014 , 100, 68-78	3.9	3
143	Development of a universal metabolome-standard method for long-term LC-MS metabolome profiling and its application for bladder cancer urine-metabolite-biomarker discovery. <i>Analytical Chemistry</i> , 2014 , 86, 6540-7	7.8	76
142	In-gel microwave-assisted acid hydrolysis of proteins combined with liquid chromatography tandem mass spectrometry for mapping protein sequences. <i>Analytical Chemistry</i> , 2014 , 86, 600-7	7.8	5
141	IsoMS: automated processing of LC-MS data generated by a chemical isotope labeling metabolomics platform. <i>Analytical Chemistry</i> , 2014 , 86, 4675-9	7.8	86
140	Dansylation metabolite assay: a simple and rapid method for sample amount normalization in metabolomics. <i>Analytical Chemistry</i> , 2014 , 86, 9428-33	7.8	14
139	Development of isotope labeling liquid chromatography mass spectrometry for mouse urine metabolomics: quantitative metabolomic study of transgenic mice related to Alzheimer's disease. <i>Journal of Proteome Research</i> , 2014 , 13, 4457-69	5.6	35
138	High-performance isotope-labeling liquid chromatography mass spectrometry for investigating the effect of drinking Goji tea on urine metabolome profiling. <i>Science China Chemistry</i> , 2014 , 57, 678-685	7.9	6

137	Metabolomic profiling of bronchoalveolar lavage fluids by isotope labeling liquid chromatography mass spectrometry: a promising approach to studying experimental asthma. <i>Metabolomics</i> , 2014 , 10, 1305-1317	4.7	11
136	ECatenin, a Sox2 binding partner, regulates the DNA binding and transcriptional activity of Sox2 in breast cancer cells. <i>Cellular Signalling</i> , 2014 , 26, 492-501	4.9	24
135	Rewiring AMPK and mitochondrial retrograde signaling for metabolic control of aging and histone acetylation in respiratory-defective cells. <i>Cell Reports</i> , 2014 , 7, 565-574	10.6	31
134	Development of microwave-assisted acid hydrolysis of proteins using a commercial microwave reactor and its combination with LC-MS for protein full-sequence analysis. <i>Talanta</i> , 2014 , 129, 290-5	6.2	6
133	Macroporous reversed-phase separation of proteins combined with reversed-phase separation of phosphopeptides and tandem mass spectrometry for profiling the phosphoproteome of MDA-MB-231 cells. <i>Electrophoresis</i> , 2014 , 35, 3479-86	3.6	3
132	Microbore liquid chromatography ultraviolet detection for quantification of total peptide amount and its application for assessing sample quality in shotgun proteome analysis of hundreds of cells. <i>Journal of Chromatography A</i> , 2014 , 1338, 51-7	4.5	1
131	Quantitative metabolomic profiling using dansylation isotope labeling and liquid chromatography mass spectrometry. <i>Methods in Molecular Biology</i> , 2014 , 1198, 127-36	1.4	6
130	Differential isotope dansylation labeling combined with liquid chromatography mass spectrometry for quantification of intact and N-terminal truncated proteins. <i>Analytica Chimica Acta</i> , 2013 , 792, 79-85	6.6	4
129	Liquid-liquid extraction combined with differential isotope dimethylaminophenacyl labeling for improved metabolomic profiling of organic acids. <i>Analytica Chimica Acta</i> , 2013 , 803, 97-105	6.6	37
128	MALDI-MS for Polymer Characterization 2013 , 313-365		1
127	Comparative proteomic and metabolomic analysis of <i>Staphylococcus warneri</i> SG1 cultured in the presence and absence of butanol. <i>Journal of Proteome Research</i> , 2013 , 12, 4478-89	5.6	26
126	MyCompoundID: using an evidence-based metabolome library for metabolite identification. <i>Analytical Chemistry</i> , 2013 , 85, 3401-8	7.8	143
125	5-Diethylamino-naphthalene-1-sulfonyl chloride (DensCl): a novel triplex isotope labeling reagent for quantitative metabolome analysis by liquid chromatography mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 11532-9	7.8	45
124	Quantitative proteomic analysis of HER2 normal and overexpressing MCF-7 breast cancer cells revealed proteomic changes accompanied with HER2 gene amplification. <i>Journal of Proteomics</i> , 2013 , 91, 200-9	3.9	6
123	Analytical performance of reciprocal isotope labeling of proteome digests for quantitative proteomics and its application for comparative studies of aerobic and anaerobic <i>Escherichia coli</i> proteomes. <i>Analytica Chimica Acta</i> , 2013 , 795, 25-35	6.6	1
122	Automation of dimethylation after guanidination labeling chemistry and its compatibility with common buffers and surfactants for mass spectrometry-based shotgun quantitative proteome analysis. <i>Analytica Chimica Acta</i> , 2013 , 788, 81-8	6.6	7
121	Development of isotope labeling liquid chromatography-mass spectrometry for metabolic profiling of bacterial cells and its application for bacterial differentiation. <i>Analytical Chemistry</i> , 2013 , 85, 5755-63	7.8	35
120	Definitions of terms relating to mass spectrometry (IUPAC Recommendations 2013). <i>Pure and Applied Chemistry</i> , 2013 , 85, 1515-1609	2.1	238

119	Fragmentation of protonated dansyl-labeled amines for structural analysis of amine-containing metabolites. <i>International Journal of Mass Spectrometry</i> , 2012 , 316-318, 292-299	1.9	9
118	Determination of total concentration of chemically labeled metabolites as a means of metabolome sample normalization and sample loading optimization in mass spectrometry-based metabolomics. <i>Analytical Chemistry</i> , 2012 , 84, 10723-31	7.8	76
117	Development of a matrix-assisted laser desorption ionization mass spectrometric method for rapid process-monitoring of phthalocyanine compounds. <i>Analytica Chimica Acta</i> , 2012 , 736, 69-77	6.6	4
116	Development of an isotope labeling ultra-high performance liquid chromatography mass spectrometric method for quantification of acylglycines in human urine. <i>Analytica Chimica Acta</i> , 2012 , 750, 161-72	6.6	26
115	Integrated SDS removal and peptide separation by strong-cation exchange liquid chromatography for SDS-assisted shotgun proteome analysis. <i>Journal of Proteome Research</i> , 2012 , 11, 818-28	5.6	31
114	Development of isotope labeling LC-MS for human salivary metabolomics and application to profiling metabolome changes associated with mild cognitive impairment. <i>Analytical Chemistry</i> , 2012 , 84, 10802-11	7.8	66
113	Microwave-assisted protein solubilization for mass spectrometry-based shotgun proteome analysis. <i>Analytical Chemistry</i> , 2012 , 84, 6181-91	7.8	23
112	Qualitative metabolome analysis of human cerebrospinal fluid by ¹³ C/ ¹² C-isotope dansylation labeling combined with liquid chromatography Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 339-47	3.5	43
111	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
110	Ultra-high performance liquid chromatography tandem mass spectrometry for comprehensive analysis of urinary acylcarnitines. <i>Analytica Chimica Acta</i> , 2011 , 689, 77-84	6.6	44
109	Comparison of surfactant-assisted shotgun methods using acid-labile surfactants and sodium dodecyl sulfate for membrane proteome analysis. <i>Analytica Chimica Acta</i> , 2011 , 698, 36-43	6.6	37
108	Ion-pairing reversed-phase liquid chromatography fractionation in combination with isotope labeling reversed-phase liquid chromatography-mass spectrometry for comprehensive metabolome profiling. <i>Journal of Chromatography A</i> , 2011 , 1218, 3689-94	4.5	32
107	Development of mass spectrometry-based shotgun method for proteome analysis of 500 to 5000 cancer cells. <i>Analytical Chemistry</i> , 2010 , 82, 2262-71	7.8	70
106	High-performance isotope labeling for profiling carboxylic acid-containing metabolites in biofluids by mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 8789-93	7.8	140
105	Chronic inhibition of farnesyl pyrophosphate synthase attenuates cardiac hypertrophy and fibrosis in spontaneously hypertensive rats. <i>Biochemical Pharmacology</i> , 2010 , 79, 399-406	6	28
104	Microwave-assisted acid and base hydrolysis of intact proteins containing disulfide bonds for protein sequence analysis by mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1596-605	3.5	15
103	Reproducible microwave-assisted acid hydrolysis of proteins using a household microwave oven and its combination with LC-ESI MS/MS for mapping protein sequences and modifications. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1573-87	3.5	28
102	A method for comprehensive analysis of urinary acylglycines by using ultra-performance liquid chromatography quadrupole linear ion trap mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 2105-16	3.5	30

101	Evidence for copurification of micronuclei in sucrose density gradient-enriched plasma membranes from cell lines. <i>Analytical Biochemistry</i> , 2010 , 396, 69-75	3.1	3
100	Large-scale proteome profile of the zebrafish (<i>Danio rerio</i>) gill for physiological and biomarker discovery studies. <i>Zebrafish</i> , 2009 , 6, 229-38	2	41
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