

Guo-wang Xu

List of Publications by Year in Descending Order

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Version: 2024-04-19

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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.

434
papers

16,873
citations

68
h-index

102
g-index

467
ext. papers

20,192
ext. citations

5.3
avg, IF

6.62
L-index

#	Paper	IF	Citations
434	Metabolomic Biomarkers in Parkinson's Disease. <i>NeuroMethods</i> , 2022 , 181-213	0.4	0
433	Nontargeted screening method for veterinary drugs and their metabolites based on fragmentation characteristics from ultrahigh-performance liquid chromatography-high-resolution mass spectrometry. <i>Food Chemistry</i> , 2022 , 369, 130928	8.5	5
432	Combined berberine and probiotic treatment as an effective regimen for improving postprandial hyperlipidemia in type 2 diabetes patients: a double blinded placebo controlled randomized study.. <i>Gut Microbes</i> , 2022 , 14, 2003176	8.8	4
431	USP22 regulates lipidome accumulation by stabilizing PPAR α in hepatocellular carcinoma.. <i>Nature Communications</i> , 2022 , 13, 2187	17.4	3
430	Metabolomics insights into the prenatal exposure effects of polybrominated diphenyl ethers on neonatal birth outcomes.. <i>Science of the Total Environment</i> , 2022 , 155601	10.2	0
429	Comprehensive metabolite quantitative assay based on alternate metabolomics and lipidomics analyses. <i>Analytica Chimica Acta</i> , 2022 , 339979	6.6	1
428	A data processing pipeline for petroleomics based on liquid chromatography-high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2022 , 463194	4.5	0
427	Nontargeted screening of veterinary drugs and their metabolites in milk based on mass defect filtering using liquid chromatography-high-resolution mass spectrometry. <i>Electrophoresis</i> , 2021 ,	3.6	1
426	Deep Neural Network Pretrained by Weighted Autoencoders and Transfer Learning for Retention Time Prediction of Small Molecules. <i>Analytical Chemistry</i> , 2021 , 93, 15651-15658	7.8	3
425	Association of Serum Bile Acids Profile and Pathway Dysregulation With the Risk of Developing Diabetes Among Normoglycemic Chinese Adults: Findings From the 4C Study. <i>Diabetes Care</i> , 2021 , 44, 499-510	14.6	10
424	Novel Stable Isotope-Resolved Metabolomics Method for a Small Number of Cells Using Chip-Based Nanoelectrospray Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 13765-13773	7.8	1
423	Exercise prevents fatty liver by modifying the compensatory response of mitochondrial metabolism to excess substrate availability. <i>Molecular Metabolism</i> , 2021 , 101359	8.8	0
422	Metabolome-wide association study of serum exogenous chemical residues in a cohort with 5 major chronic diseases. <i>Environment International</i> , 2021 , 158, 106919	12.9	5
421	Metabolome-Genome-Wide Association Study (mGWAS) Reveals Novel Metabolites Associated with Future Type 2 Diabetes Risk and Susceptibility Loci in a Case-Control Study in a Chinese Prospective Cohort. <i>Global Challenges</i> , 2021 , 5, 2000088	4.3	2
420	Prognosis prediction of hepatocellular carcinoma after surgical resection based on serum metabolic profiling from gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3153-3165	4.4	1
419	Serum Metabolic Profiling Identifies a Biomarker Panel for Improvement of Prostate Cancer Diagnosis. <i>Frontiers in Oncology</i> , 2021 , 11, 666320	5.3	4
418	Serum lipid profiling analysis and potential marker discovery for ovarian cancer based on liquid chromatography-Mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 199, 114048	3.5	2

417	How to Screen and Prevent Metabolic Syndrome in Patients of PCOS Early: Implications From Metabolomics. <i>Frontiers in Endocrinology</i> , 2021 , 12, 659268	5.7	2
416	Plasma Metabolomics for Discovery of Early Metabolic Markers of Prostate Cancer Based on Ultra-High-Performance Liquid Chromatography-High Resolution Mass Spectrometry. <i>Cancers</i> , 2021 , 13,	6.6	2
415	Lipid Profiling of 20 Mammalian Cells by Capillary Microsampling Combined with High-Resolution Spectral Stitching Nano-electrospray Ionization Direct-Infusion Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 10031-10038	7.8	0
414	Systematic, Modifying Group-Assisted Strategy Expanding Coverage of Metabolite Annotation in Liquid Chromatography-Mass Spectrometry-Based Nontargeted Metabolomics Studies. <i>Analytical Chemistry</i> , 2021 , 93, 10916-10924	7.8	1
413	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. <i>Nature Methods</i> , 2021 , 18, 747-756	21.6	83
412	Strategy for Nontargeted Metabolomic Annotation and Quantitation Using a High-Resolution Spectral-Stitching Nano-electrospray Direct-Infusion Mass Spectrometry with Data-Independent Acquisition. <i>Analytical Chemistry</i> , 2021 , 93, 10528-10537	7.8	2
411	Characterization of nitrogen-containing compounds in petroleum fractions by online reversed-phase liquid chromatography-electrospray ionization Orbitrap mass spectrometry. <i>Fuel</i> , 2021 , 284, 119035	7.1	9
410	Recent development of nanoparticle-assisted metabolites analysis with mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1636, 461785	4.5	4
409	Metabolite Triplet in Serum Improves the Diagnostic Accuracy of Prediabetes and Diabetes Screening. <i>Journal of Proteome Research</i> , 2021 , 20, 1005-1014	5.6	2
408	Alteration of lipids and amino acids in plasma distinguish schizophrenia patients from controls: A targeted metabolomics study. <i>Psychiatry and Clinical Neurosciences</i> , 2021 , 75, 138-144	6.2	9
407	Proline metabolism in cancer. <i>Amino Acids</i> , 2021 , 53, 1769-1777	3.5	3
406	Facile Synthesis of Antibody-Coupled Polydopamine-Coated Magnetic Graphene Oxide Composites for Efficient Immunopurification and Metabolomics Analysis of Mitochondria. <i>Analytical Chemistry</i> , 2021 , 93, 11099-11107	7.8	2
405	A high throughput lipidomics method and its application in atrial fibrillation based on 96-well plate pretreatment and liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1651, 462271	4.5	0
404	Association of plasma branched-chain amino acids with overweight: A Mendelian randomization analysis. <i>Obesity</i> , 2021 , 29, 1708-1718	8	0
403	Comparison of the metabolome in urine prior and eight weeks after radical prostatectomy uncovers pathologic and molecular features of prostate cancer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 205, 114288	3.5	1
402	Gut microbiota-related metabolome analysis based on chromatography-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116375	14.6	1
401	Development of a novel analytical method for inflammation and immunity-related metabolites in serum based on liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2021 , 234, 122631	6.2	1
400	Low-dose PCB126 exposure disrupts cardiac metabolism and causes hypertrophy and fibrosis in mice. <i>Environmental Pollution</i> , 2021 , 290, 118079	9.3	3

399	Comprehensive metabolic profiling of Parkinson's disease by liquid chromatography-mass spectrometry. <i>Molecular Neurodegeneration</i> , 2021 , 16, 4	19	19
398	Data analysis methods for defining biomarkers from omics data.. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 414, 235	4.4	1
397	Serum Metabonomics Reveals Risk Factors in Different Periods of Cerebral Infarction in Humans.. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 784288	5.6	
396	Untargeted Defining Protein-Metabolites Interaction Based on Label-Free Kinetic Size Exclusion Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 7657-7665	7.8	1
395	Synthesis of metal-organic framework-5@chitosan material for the analysis of microcystins and nodularin based on ultra-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1623, 461198	4.5	4
394	Development of a plasma pseudotargeted metabolomics method based on ultra-high-performance liquid chromatography-mass spectrometry. <i>Nature Protocols</i> , 2020 , 15, 2519-2537	18.8	44
393	Single-cell Metabolomics Analysis by Microfluidics and Mass Spectrometry: Recent New Advances. <i>Journal of Analysis and Testing</i> , 2020 , 4, 198-209	3.2	16
392	Pseudotargeted Method Based on Parallel Column Two-Dimensional Liquid Chromatography-Mass Spectrometry for Broad Coverage of Metabolome and Lipidome. <i>Analytical Chemistry</i> , 2020 , 92, 6043-6050	7.8	17
391	Serum lipidomic biomarkers for non-small cell lung cancer in nonsmoking female patients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 185, 113220	3.5	8
390	Human Prostate Cancer is Characterized by an Increase in Urea Cycle Metabolites. <i>Cancers</i> , 2020 , 12,	6.6	12
389	Liquid Chromatography-Mass Spectrometry-Based Nontargeted Metabolomics Predicts Prognosis of Hepatocellular Carcinoma after Curative Resection. <i>Journal of Proteome Research</i> , 2020 , 19, 3533-3541	5.6	5
388	Identification and regulation of the xenometabolite derivatives - and -3,4-methylene-heptanoylcarnitine in plasma and skeletal muscle of exercising humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 318, E701-E709	6	1
387	Switching from Fatty Acid Oxidation to Glycolysis Improves the Outcome of Acute-On-Chronic Liver Failure. <i>Advanced Science</i> , 2020 , 7, 1902996	13.6	3
386	A multi-omics investigation of the molecular characteristics and classification of six metabolic syndrome relevant diseases. <i>Theranostics</i> , 2020 , 10, 2029-2046	12.1	14
385	Which is the urine sample material of choice for metabolomics-driven biomarker studies?. <i>Analytica Chimica Acta</i> , 2020 , 1105, 120-127	6.6	7
384	Integrating transcriptome and metabolome reveals molecular networks involved in genetic and environmental variation in tobacco. <i>DNA Research</i> , 2020 , 27,	4.5	8
383	Rapid lipidomic profiling based on ultra-high performance liquid chromatography-mass spectrometry and its application in diabetic retinopathy. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3585-3594	4.4	13
382	Comparison of Erythrocyte Membrane Lipid Profiles between NAFLD Patients with or without Hyperlipidemia. <i>International Journal of Endocrinology</i> , 2020 , 2020, 9501826	2.7	4

381	Alteration of Metabolic Profile and Potential Biomarkers in the Plasma of Alzheimer's Disease 2020 , 11, 1459-1470		13
380	Parallel derivatization strategy coupled with liquid chromatography-mass spectrometry for broad coverage of steroid hormones. <i>Journal of Chromatography A</i> , 2020 , 1614, 460709	4.5	12
379	Nanoparticle Conjugation of Ginsenoside Rg3 Inhibits Hepatocellular Carcinoma Development and Metastasis. <i>Small</i> , 2020 , 16, e1905233	11	30
378	Muscle-Liver Substrate Fluxes in Exercising Humans and Potential Effects on Hepatic Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	11
377	Metabolomics of lung cancer: Analytical platforms and their applications. <i>Journal of Separation Science</i> , 2020 , 43, 120-133	3.4	17
376	Recent advances in analytical strategies for mass spectrometry-based lipidomics. <i>Analytica Chimica Acta</i> , 2020 , 1137, 156-169	6.6	29
375	A rapid GC method coupled with quadrupole or time of flight mass spectrometry for metabolomics analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1160, 122355	3.2	3
374	Multiplatform Metabolomics Reveals Novel Serum Metabolite Biomarkers in Diabetic Retinopathy Subjects. <i>Advanced Science</i> , 2020 , 7, 2001714	13.6	16
373	A graph density-based strategy for features fusion from different peak extract software to achieve more metabolites in metabolic profiling from high-resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2020 , 1139, 8-14	6.6	2
372	Gut microbiome-related effects of berberine and probiotics on type 2 diabetes (the PREMOTE study). <i>Nature Communications</i> , 2020 , 11, 5015	17.4	57
371	Liquid Chromatography-Mass Spectrometry-Based Tissue Metabolic Profiling Reveals Major Metabolic Pathway Alterations and Potential Biomarkers of Lung Cancer. <i>Journal of Proteome Research</i> , 2020 , 19, 3750-3760	5.6	10
370	Alternate reversed-phase and hydrophilic interaction liquid chromatography coupled with mass spectrometry for broad coverage in metabolomics analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1152, 122266	3.2	3
369	Metabolic Alterations Related to Glioma Grading Based on Metabolomics and Lipidomics Analyses. <i>Metabolites</i> , 2020 , 10,	5.6	6
368	Rational Synthesis of Aptamer-Functionalized Polyethylenimine-Modified Magnetic Graphene Oxide Composites for Highly Efficient Enrichment and Comprehensive Metabolomics Analysis of Exosomes. <i>Analytical Chemistry</i> , 2020 , 92, 15497-15505	7.8	11
367	Serum Metabolomics for Biomarker Screening of Esophageal Squamous Cell Carcinoma and Esophageal Squamous Dysplasia Using Gas Chromatography-Mass Spectrometry. <i>ACS Omega</i> , 2020 , 5, 26402-26412	3.9	11
366	Lipid alterations and subtyping maker discovery of lung cancer based on nontargeted tissue lipidomics using liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 190, 113520	3.5	6
365	Protein profiling analysis based on matrix-assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometry and its application in typing <i>Streptomyces</i> isolates. <i>Talanta</i> , 2020 , 208, 120439	6.2	1
364	Untargeted Lipidomics Reveals Specific Lipid Abnormalities in Nonfunctioning Human Pituitary Adenomas. <i>Journal of Proteome Research</i> , 2020 , 19, 455-463	5.6	3

363	Triptolide suppresses IDH1-mutated malignancy via Nrf2-driven glutathione metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9964-9972	11.5	46
362	Metabolic profiling reveals distinct metabolic alterations in different subtypes of pituitary adenomas and confers therapeutic targets. <i>Journal of Translational Medicine</i> , 2019 , 17, 291	8.5	4
361	Sex-specific plasma metabolome signatures in major depressive disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2019 , 73, 713-714	6.2	2
360	New advances in analytical methods for mass spectrometry-based large-scale metabolomics study. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 121, 115665	14.6	28
359	Linking bioenergetic function of mitochondria to tissue-specific molecular fingerprints. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E374-E387	6	16
358	Stress-induced epinephrine enhances lactate dehydrogenase A and promotes breast cancer stem-like cells. <i>Journal of Clinical Investigation</i> , 2019 , 129, 1030-1046	15.9	68
357	Serum Metabolomics Study of Nonsmoking Female Patients with Non-Small Cell Lung Cancer Using Gas Chromatography-Mass Spectrometry. <i>Journal of Proteome Research</i> , 2019 , 18, 2175-2184	5.6	17
356	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> , 2019 , 9, 4736	4.9	38
355	Removal of false positive features to generate authentic peak table for high-resolution mass spectrometry-based metabolomics study. <i>Analytica Chimica Acta</i> , 2019 , 1067, 79-87	6.6	6
354	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> , 2019 , 25, 5427-5432	4.8	10
353	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> , 2019 , 411, 6377-6386	4.4	6
352	Metabolic Profiling Reveals Biochemical Pathways and Potential Biomarkers of Spinocerebellar Ataxia 3. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 159	6.1	15
351	Therapeutic effect and autophagy regulation of myriocin in nonalcoholic steatohepatitis. <i>Lipids in Health and Disease</i> , 2019 , 18, 179	4.4	13
350	ORP4L Extracts and Presents PIP from Plasma Membrane for PLC β Catalysis: Targeting It Eradicates Leukemia Stem Cells. <i>Cell Reports</i> , 2019 , 26, 2166-2177.e9	10.6	24
349	EXTH-03. TRIPTOLIDE, A NOVEL THERAPEUTIC AGENT FOR IDH1-MUTATED GLIOMA. <i>Neuro-Oncology</i> , 2019 , 21, vi82-vi83	1	78
348	Serum metabolome and targeted bile acid profiling reveals potential novel biomarkers for drug-induced liver injury. <i>Medicine (United States)</i> , 2019 , 98, e16717	1.8	18
347	Integrated Metabolomics and Lipidomics Analyses Reveal Metabolic Reprogramming in Human Glioma with IDH1 Mutation. <i>Journal of Proteome Research</i> , 2019 , 18, 960-969	5.6	25
346	Multidimensional liquid chromatography-mass spectrometry for metabolomic and lipidomic analyses. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115302	14.6	33

345	Modified metabolites mapping by liquid chromatography-high resolution mass spectrometry using full scan/all ion fragmentation/neutral loss acquisition. <i>Journal of Chromatography A</i> , 2019 , 1583, 80-87	4.5	18
344	Metabolomics profiling of metformin-mediated metabolic reprogramming bypassing AMPK β . <i>Metabolism: Clinical and Experimental</i> , 2019 , 91, 18-29	12.7	15
343	A comprehensive strategy for studying protein-metabolite interactions by metabolomics and native mass spectrometry. <i>Talanta</i> , 2019 , 194, 63-72	6.2	12
342	Carboxymethylated polyethylenimine modified magnetic nanoparticles specifically for purification of His-tagged protein. <i>Journal of Separation Science</i> , 2019 , 42, 744-753	3.4	7
341	Serum Metabolomics Study of Gliclazide-Modified-Release-Treated Type 2 Diabetes Mellitus Patients Using a Gas Chromatography-Mass Spectrometry Method. <i>Journal of Proteome Research</i> , 2018 , 17, 1575-1585	5.6	14
340	Reply. <i>Hepatology</i> , 2018 , 67, 2483-2484	11.2	
339	Current and future perspectives of functional metabolomics in disease studies-A review. <i>Analytica Chimica Acta</i> , 2018 , 1037, 41-54	6.6	50
338	Plasma bile acid changes in type 2 diabetes correlated with insulin secretion in two-step hyperglycemic clamp. <i>Journal of Diabetes</i> , 2018 , 10, 874-885	3.8	11
337	Activation of choline kinase drives aberrant choline metabolism in esophageal squamous cell carcinomas. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 155, 148-156	3.5	9
336	Strategy for Comprehensive Identification of Acylcarnitines Based on Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 5712-5718	7.8	31
335	Metabolomics and transcriptomics profiles reveal the dysregulation of the tricarboxylic acid cycle and related mechanisms in prostate cancer. <i>International Journal of Cancer</i> , 2018 , 143, 396-407	7.5	43
334	A High-Fat Diet Rich in Saturated and Mono-Unsaturated Fatty Acids Induces Disturbance of Thyroid Lipid Profile and Hypothyroxinemia in Male Rats. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1700599	5.9	12
333	Recent advances in using mass spectrometry for mitochondrial metabolomics and lipidomics - A review. <i>Analytica Chimica Acta</i> , 2018 , 1037, 3-12	6.6	12
332	Enhancement of mitochondrial biogenesis and paradoxical inhibition of lactate dehydrogenase mediated by 14-3-3 σ in oncocytoomas. <i>Journal of Pathology</i> , 2018 , 245, 361-372	9.4	7
331	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> , 2018 , 185, 483-490	6.2	18
330	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> , 2018 , 64, 810-819	5.5	17
329	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> , 2018 , 1037, 293-300	6.6	34
328	Surface-bonded amide-functionalized imidazolium ionic liquid as stationary phase for hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2018 , 1559, 141-148	4.5	27

327	Global Metabolic Profiling Identifies a Pivotal Role of Proline and Hydroxyproline Metabolism in Supporting Hypoxic Response in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2018 , 24, 474-485	12.9	60
326	A Large-scale, multicenter serum metabolite biomarker identification study for the early detection of hepatocellular carcinoma. <i>Hepatology</i> , 2018 , 67, 662-675	11.2	152
325	Molecular interaction study of flavonoids with human serum albumin using native mass spectrometry and molecular modeling. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 827-837	4.4	16
324	Metabolic changes in primary, secondary, and lipid metabolism in tobacco leaf in response to topping. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 839-851	4.4	19
323	Plasma disturbance of phospholipid metabolism in major depressive disorder by integration of proteomics and metabolomics. <i>Neuropsychiatric Disease and Treatment</i> , 2018 , 14, 1451-1461	3.1	16
322	USP10 suppresses tumor progression by inhibiting mTOR activation in hepatocellular carcinoma. <i>Cancer Letters</i> , 2018 , 436, 139-148	9.9	31
321	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> , 2018 , 90, 11401-11408	7.8	24
320	Screening and Determination of Potential Risk Substances Based on Liquid Chromatography-High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 8454-8461	7.8	15
319	Determination of candidate metabolite biomarkers associated with recurrence of HCV-related hepatocellular carcinoma. <i>Oncotarget</i> , 2018 , 9, 6245-6258	3.3	4
318	Metabolic Activity of the Liver during Exercise: A Metabolomics Approach. <i>Diabetes</i> , 2018 , 67, 1856-P	0.9	
317	Integration of Proteomics and Metabolomics Revealed Metabolite-Protein Networks in ACTH-Secreting Pituitary Adenoma. <i>Frontiers in Endocrinology</i> , 2018 , 9, 678	5.7	12
316	Deep Annotation of Hydroxycinnamic Acid Amides in Plants Based on Ultra-High-Performance Liquid Chromatography-High-Resolution Mass Spectrometry and Its In Silico Database. <i>Analytical Chemistry</i> , 2018 , 90, 14321-14330	7.8	25
315	Quantitative structure-retention relationships model for retention time prediction of veterinary drugs in food matrixes. <i>International Journal of Mass Spectrometry</i> , 2018 , 434, 172-178	1.9	6
314	Development of a High Coverage Pseudotargeted Lipidomics Method Based on Ultra-High Performance Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 7608-7616	7.8	71
313	Comprehensive Strategy to Construct In-House Database for Accurate and Batch Identification of Small Molecular Metabolites. <i>Analytical Chemistry</i> , 2018 , 90, 7635-7643	7.8	52
312	Synthesis of magnetic mesoporous metal-organic framework-5 for the effective enrichment of malachite green and crystal violet in fish samples. <i>Journal of Chromatography A</i> , 2018 , 1560, 19-25	4.5	33
311	Online Three Dimensional Liquid Chromatography/Mass Spectrometry Method for the Separation of Complex Samples. <i>Analytical Chemistry</i> , 2017 , 89, 1433-1438	7.8	17
310	MYC-driven inhibition of the glutamate-cysteine ligase promotes glutathione depletion in liver cancer. <i>EMBO Reports</i> , 2017 , 18, 569-585	6.5	40

309	Next-generation transgenic cotton: pyramiding RNAi and Bt counters insect resistance. <i>Plant Biotechnology Journal</i> , 2017 , 15, 1204-1213	11.6	65
308	High-throughput metabolic profiling based on small amount of hepatic cells. <i>Electrophoresis</i> , 2017 , 38, 2296-2303	3.6	2
307	Gut microbiome and serum metabolome alterations in obesity and after weight-loss intervention. <i>Nature Medicine</i> , 2017 , 23, 859-868	50.5	627
306	Metabolic profiling analysis of <i>Siraitia grosvenorii</i> revealed different characteristics of green fruit and saccharified yellow fruit. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 145, 158-168	3.5	5
305	Hanfa Zou, 1961-2016. <i>Journal of Chromatography A</i> , 2017 , 1498, 2-7	4.5	
304	Simultaneous metabolomics and lipidomics analysis based on novel heart-cutting two-dimensional liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2017 , 966, 34-40	6.6	38
303	Plasma metabolomics profiling of maintenance hemodialysis based on capillary electrophoresis - time of flight mass spectrometry. <i>Scientific Reports</i> , 2017 , 7, 8150	4.9	12
302	Serum Monounsaturated Triacylglycerol Predicts Steatohepatitis in Patients with Non-alcoholic Fatty Liver Disease and Chronic Hepatitis B. <i>Scientific Reports</i> , 2017 , 7, 10517	4.9	15
301	Altered Lipid Metabolism in Recovered SARS Patients Twelve Years after Infection. <i>Scientific Reports</i> , 2017 , 7, 9110	4.9	233
300	Nontargeted screening of chemical contaminants and illegal additives in food based on liquid chromatography-high resolution mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 96, 89-98	14.6	45
299	An alignment algorithm for LC-MS-based metabolomics dataset assisted by MS/MS information. <i>Analytica Chimica Acta</i> , 2017 , 990, 96-102	6.6	11
298	Analyses of gut microbiota and plasma bile acids enable stratification of patients for antidiabetic treatment. <i>Nature Communications</i> , 2017 , 8, 1785	17.4	192
297	Comprehensive Analysis of Short-, Medium-, and Long-Chain Acyl-Coenzyme A by Online Two-Dimensional Liquid Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 12902-12908	7.8	16
296	Metabolomics Toward Biomarker Discovery. <i>Methods in Molecular Biology</i> , 2017 , 1619, 467-475	1.4	6
295	Discovery and validation of potential urinary biomarkers for bladder cancer diagnosis using a pseudotargeted GC-MS metabolomics method. <i>Oncotarget</i> , 2017 , 8, 20719-20728	3.3	36
294	Identification of related metabolic pathways in prostate cancer. <i>Oncotarget</i> , 2017 , 8, 103032-103046	3.3	6
293	The development of plasma pseudotargeted GC-MS metabolic profiling and its application in bladder cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6741-9	4.4	34
292	Purity matters: A workflow for the valid high-resolution lipid profiling of mitochondria from cell culture samples. <i>Scientific Reports</i> , 2016 , 6, 21107	4.9	25

291	Relationship of Serum Trimethylamine N-Oxide (TMAO) Levels with early Atherosclerosis in Humans. <i>Scientific Reports</i> , 2016 , 6, 26745	4.9	174
290	Integration of lipidomics and transcriptomics unravels aberrant lipid metabolism and defines cholesteryl oleate as potential biomarker of prostate cancer. <i>Scientific Reports</i> , 2016 , 6, 20984	4.9	82
289	Muscle and liver-specific alterations in lipid and acylcarnitine metabolism after a single bout of exercise in mice. <i>Scientific Reports</i> , 2016 , 6, 22218	4.9	13
288	Sample-directed pseudotargeted method for the metabolic profiling analysis of rice seeds based on liquid chromatography with mass spectrometry. <i>Journal of Separation Science</i> , 2016 , 39, 247-55	3.4	8
287	Highly efficient solid-phase derivatization of sugar phosphates with titanium-immobilized hydrophilic polydopamine-coated silica. <i>Journal of Chromatography A</i> , 2016 , 1457, 125-33	4.5	7
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