

LC-MS based global metabolite profiling: the necessity

Metabolomics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The co-feature ratio, a novel method for the measurement of chromatographic and signal selectivity in LC-MS-based metabolomics. <i>Analytica Chimica Acta</i> , 2017, 956, 40-47.	2.6	4
2	$\beta$ -N-Methylamino-l-alanine (BMAA) perturbs alanine, aspartate and glutamate metabolism pathways in human neuroblastoma cells as determined by metabolic profiling. <i>Amino Acids</i> , 2017, 49, 905-919.	1.2	35
3	metaX: a flexible and comprehensive software for processing metabolomics data. <i>BMC Bioinformatics</i> , 2017, 18, 183.	1.2	489
4	Endocrinology Meets Metabolomics: Achievements, Pitfalls, and Challenges. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 705-721.	3.1	29
5	Hydrogen Inhalation Protects against Ototoxicity Induced by Intravenous Cisplatin in the Guinea Pig. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 280.	1.8	30
6	Data processing, multi-omic pathway mapping, and metabolite activity analysis using XCMS Online. <i>Nature Protocols</i> , 2018, 13, 633-651.	5.5	207
7	Model selection for within-batch effect correction in UPLC-MS metabolomics using quality control - Support vector regression. <i>Analytica Chimica Acta</i> , 2018, 1026, 62-68.	2.6	32
8	Advanced LC-MS-based methods to study the co-occurrence and metabolization of multiple mycotoxins in cereals and cereal-based food. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 801-825.	1.9	113
9	Evaluation of batch effect elimination using quality control replicates in LC-MS metabolite profiling. <i>Analytica Chimica Acta</i> , 2018, 1019, 38-48.	2.6	42
10	Quality assurance procedures for mass spectrometry untargeted metabolomics. a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 149-173.	1.4	244
11	Data Analysis for Metabolomics: Pathway Reconstruction and Functional Annotation. , 2018, , .		0
12	Salivary metabolite profiling distinguishes patients with oral cavity squamous cell carcinoma from normal controls. <i>PLoS ONE</i> , 2018, 13, e0204249.	1.1	62
13	Method selectivity evaluation using the co-feature ratio in LC/MS metabolomics: Comparison of HILIC stationary phase performance for the analysis of plasma, urine and cell extracts. <i>Journal of Chromatography A</i> , 2018, 1568, 49-56.	1.8	16
14	Mass Spectrometry-Based Metabolomic Analysis. , 2019, , 410-425.		1
15	Comprehensive Improvement of Sample Preparation Methodologies Facilitates Dynamic Metabolomics of <i>Aspergillus niger</i> . <i>Biotechnology Journal</i> , 2019, 14, 1800315.	1.8	18
16	Monitoring of system conditioning after blank injections in untargeted UPLC-MS metabolomic analysis. <i>Scientific Reports</i> , 2019, 9, 9822.	1.6	26
17	Exploring Radiation Response in Two Head and Neck Squamous Carcinoma Cell Lines Through Metabolic Profiling. <i>Frontiers in Oncology</i> , 2019, 9, 825.	1.3	19
18	Systems metabolic engineering for citric acid production by <i>Aspergillus niger</i> in the post-genomic era. <i>Microbial Cell Factories</i> , 2019, 18, 28.	1.9	71

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19	Adduct formation in electrospray ionisation-mass spectrometry with hydrophilic interaction liquid chromatography is strongly affected by the inorganic ion concentration of the samples. <i>Journal of Chromatography A</i> , 2019, 1600, 174-182.	1.8	21
20	Introducing Metabolomics. , 2019, , 1-56.		2
21	Biomarkers Detection for Toxicity Testing Using Metabolomics. , 2019, , 1111-1124.		1
22	Determination of metabolites of <i>Geotrichum citri-aurantii</i> treated with peppermint oil using liquid chromatography-mass spectrometry and gas chromatography-mass spectrometry. <i>Journal of Food Biochemistry</i> , 2019, 43, e12745.	1.2	5
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24	Polycystic ovary syndrome in adolescents: Q-TOF LC/MS analysis of human plasma metabolome. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113543.	1.4	6
25	Can we trust biomarkers identified using different non-targeted metabolomics platforms? Multi-platform, inter-laboratory comparative metabolomics profiling of lettuce cultivars via UPLC-QTOF-MS. <i>Metabolomics</i> , 2020, 16, 85.	1.4	13
26	Five Easy Metrics of Data Quality for LC-MS-Based Global Metabolomics. <i>Analytical Chemistry</i> , 2020, 92, 12925-12933.	3.2	31
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28	The power of genomics, metabolomics, and other omics for target identification and validation. , 2021, , 33-48.		0
29	Representing the Metabolome with High Fidelity: Range and Response as Quality Control Factors in LC-MS-Based Global Profiling. <i>Analytical Chemistry</i> , 2021, 93, 1924-1933.	3.2	26
30	Analytical Techniques/Technologies for Studying Ecological Microbial Samples. <i>Environmental and Microbial Biotechnology</i> , 2021, , 481-517.	0.4	0
31	A distinct metabolic response characterizes sensitivity to EZH2 inhibition in multiple myeloma. <i>Cell Death and Disease</i> , 2021, 12, 167.	2.7	12
32	Improved Sensitivity in Hydrophilic Interaction Liquid Chromatography-Electrospray-Mass Spectrometry after Removal of Sodium and Potassium Ions from Biological Samples. <i>Metabolites</i> , 2021, 11, 170.	1.3	5
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34	The Effects of Sampling and Storage Conditions on the Metabolite Profile of the Marine Sponge <i>Geodia barretti</i> . <i>Frontiers in Chemistry</i> , 2021, 9, 662659.	1.8	4
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36	The Contribution of Metabolomics to Systems Biology: Current Applications Bridging Genotype and Phenotype in Plant Science. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1346, 91-105.	0.8	0

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39	Non-Invasive Identification of Sex in Cultured Bovine Embryos by UHPLC-MS/MS Metabolomics. Metabolomics, 2022, 18, .	1.4	1