

HMDB 4.0: the human metabolome database for 2018

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Challenges and emergent solutions for LC-MS/MS based untargeted metabolomics in diseases. Mass Spectrometry Reviews, 2018, 37, 772-792.	5.4	219
3	Bio- and Chemoinformatics Approaches for Metabolomics Data Analysis. Methods in Molecular Biology, 2018, 1738, 41-61.	0.9	3
4	The role of the Human Metabolome Database in inborn errors of metabolism. Journal of Inherited Metabolic Disease, 2018, 41, 329-336.	3.6	15
5	Caveat Usor: Assessing Differences between Major Chemistry Databases. ChemMedChem, 2018, 13, 470-481.	3.2	12
6	Using Metabolomics to Explore the Role of Postmenopausal Adiposity in Breast Cancer Risk. Journal of the National Cancer Institute, 2018, 110, 547-548.	6.3	0
7	Horizons of Systems Biocatalysis and Renaissance of Metabolite Synthesis. Biotechnology Journal, 2018, 13, 1700620.	3.5	19
8	Applications of metabolomics to study cancer metabolism. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1870, 2-14.	7.4	129
9	Think big – think omics. Journal of Inherited Metabolic Disease, 2018, 41, 281-283.	3.6	19
10	KniMet: a pipeline for the processing of chromatography-mass spectrometry metabolomics data. Metabolomics, 2018, 14, 52.	3.0	40
11	Observation of acetyl phosphate formation in mammalian mitochondria using real-time in-organelle NMR metabolomics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4152-4157.	7.1	37
12	Targeting human urinary metabolome by LC-MS/MS: a review. Bioanalysis, 2018, 10, 489-516.	1.5	42
13	Influence of Metabolite Extraction Methods on 1H-NMR-Based Metabolomic Profiling of Enteropathogenic Yersinia. Methods and Protocols, 2018, 1, 45.	2.0	0
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18	ComPath: an ecosystem for exploring, analyzing, and curating mappings across pathway databases. Npj Systems Biology and Applications, 2018, 4, 3.	3.0	43
19	From Single Level Analysis to Multi-Omics Integrative Approaches: A Powerful Strategy towards the Precision Oncology. High-Throughput, 2018, 7, 33.	4.4	48

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20	HS-SPME-GC-MS metabolomics approach for sperm quality evaluation by semen volatile organic compounds (VOCs) analysis. Biomedical Physics and Engineering Express, 2018, 5, 015006.	1.2	21
21	Review of recent developments in GC-MS approaches to metabolomics-based research. Metabolomics, 2018, 14, 152.	3.0	314
22	Diapause-associated changes in the lipid and metabolite profile of the Asian tiger mosquito, <i>Aedes albopictus</i> . Journal of Experimental Biology, 2018, 221, .	1.7	38
23	Plasma Derived Exosomal Biomarkers of Exposure to Ionizing Radiation in Nonhuman Primates. International Journal of Molecular Sciences, 2018, 19, 3427.	4.1	30
24	Enzymatic assay of D-mannose from urine. Bioanalysis, 2018, 10, 1947-1954.	1.5	5
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1831	Unique volatile metabolite signature of sinonasal inverted papilloma detectable in plasma and nasal secretions. <i>International Forum of Allergy and Rhinology</i> , 2022, 12, 1254-1262.	2.8	1
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1848	The Metabolome of Pink-Footed Goose: Heavy Metals and Lipid Metabolism. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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1851	Nuclear magnetic resonance in metabolomics. , 2022, , 149-218.		2
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1853	Characterization of the Metabolites and Construction of a Novel Diagnostic Panel in Calcium Oxalate Urolithiasis by Electrospray Ionization – Mass Spectrometry (ESI-MS) Metabolomics. <i>Analytical Letters</i> , 2022, 55, 1997-2010.	1.8	2
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1856	Combining CRISPRi and metabolomics for functional annotation of compound libraries. <i>Nature Chemical Biology</i> , 2022, 18, 482-491.	8.0	33
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1862	Longitudinal Serum Metabolomics in Extremely Premature Infants: Relationships With Gestational Age, Nutrition, and Morbidities. <i>Frontiers in Neuroscience</i> , 2022, 16, 830884.	2.8	12
1863	Recent Advances in Understanding of Alzheimer's Disease Progression Through Mass Spectrometry-Based Metabolomics. <i>Phenomics</i> , 2022, 2, 1-17.	2.9	10
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1865	Plasma Metabolite Profiles of Red Meat, Poultry, and Fish Consumption, and Their Associations with Colorectal Cancer Risk. <i>Nutrients</i> , 2022, 14, 978.	4.1	8
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1891	Non-targeted NMR approach to unveil and promote the biodiversity of globe artichoke in the Mediterranean area. <i>Journal of Food Composition and Analysis</i> , 2022, 110, 104539.	3.9	2
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1896	Antimicrobial Treatment Options for Difficult-to-Treat Resistant Gram-Negative Bacteria Causing Cystitis, Pyelonephritis, and Prostatitis: A Narrative Review. <i>Drugs</i> , 2022, 82, 407-438.	10.9	4
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1903	NMR Spectroscopy Identifies Chemicals in Cigarette Smoke Condensate That Impair Skeletal Muscle Mitochondrial Function. <i>Toxics</i> , 2022, 10, 140.	3.7	7
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1915	Plasma proteomic and metabolomic characterization of COVID-19 survivors 6 months after discharge. <i>Cell Death and Disease</i> , 2022, 13, 235.	6.3	21
1916	Improving confidence in lipidomic annotations by incorporating empirical ion mobility regression analysis and chemical class prediction. <i>Bioinformatics</i> , 2022, 38, 2872-2879.	4.1	5
1917	Exhaled metabolic markers and relevant dysregulated pathways of lung cancer: a pilot study. <i>Annals of Medicine</i> , 2022, 54, 790-802.	3.8	9

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1920	Plasma metabolite profiles related to plant-based diets and the risk of type 2 diabetes. <i>Diabetologia</i> , 2022, 65, 1119-1132.	6.3	35
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1926	Logistic role of carnitine shuttle system on radiation-induced L-carnitine and acylcarnitines alteration. <i>International Journal of Radiation Biology</i> , 2022, 98, 1595-1608.	1.8	2
1927	Metabolomics-based phenotypic screens for evaluation of drug synergy via direct-infusion mass spectrometry. <i>IScience</i> , 2022, 25, 104221.	4.1	8
1928	<i>In Silico</i> Collision Cross Section Calculations to Aid Metabolite Annotation. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 750-759.	2.8	11
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1935	Single cell mass spectrometry studies reveal metabolomic features and potential mechanisms of drug-resistant cancer cell lines. <i>Analytica Chimica Acta</i> , 2022, 1206, 339761.	5.4	13
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1939	Non-targeted metabolomics revealing the effects of bisphenol analogues on human liver cancer cells. <i>Chemosphere</i> , 2022, 297, 134088.	8.2	8
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1942	Metabolomic Profiles of Mouse Tissues Reveal an Interplay between Aging and Energy Metabolism. <i>Metabolites</i> , 2022, 12, 17.	2.9	10
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1944	Spatially resolved freeâ€induction decay spectroscopy using a 3D ultraâ€short echo time multiâ€echo imaging sequence with systematic echo shifting and compensation of B_0 field drifts. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2099-2110.	3.0	2
1945	¹ H-Nuclear Magnetic Resonance Analysis of Urine as Diagnostic Tool for Organic Acidemias and Aminoacidopathies. <i>Metabolites</i> , 2021, 11, 891.	2.9	6
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1961	Lipidomic and Metabolomic Signature of Progression of Chronic Kidney Disease in Patients with Severe Obesity. Metabolites, 2021, 11, 836.	2.9	19
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1966	Regional Brain Analysis of Modified Amino Acids and Dipeptides during the Sleep/Wake Cycle. Metabolites, 2022, 12, 21.	2.9	5
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1983	Urinary Metabolomics From a Dose-Fractionated Polymyxin B Rat Model of Acute Kidney Injury. <i>International Journal of Antimicrobial Agents</i> , 2022, 60, 106593.	2.5	2
1984	Omics-based ecosurveillance for the assessment of ecosystem function, health, and resilience. <i>Emerging Topics in Life Sciences</i> , 2022, 6, 185-199.	2.6	9
1985	Metabolomics in environmental toxicology: Applications and challenges. <i>Trends in Environmental Analytical Chemistry</i> , 2022, 34, e00161.	10.3	24
1986	Titanium dioxide nanoparticles induced reactive oxygen species (ROS) related changes of metabolomics signatures in human normal bronchial epithelial (BEAS-2B) cells. <i>Toxicology and Applied Pharmacology</i> , 2022, 444, 116020.	2.8	12
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