

Akiyoshi Hirayama

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

297
citations

840776

11
h-index

940533

16
g-index

24
all docs

24
docs citations

24
times ranked

318
citing authors

#	ARTICLE	IF	CITATIONS
1	Inter-Laboratory Comparison of Metabolite Measurements for Metabolomics Data Integration. <i>Metabolites</i> , 2019, 9, 257.	2.9	34
2	Development of a sheathless CE-ESI-MS interface. <i>Electrophoresis</i> , 2018, 39, 1382-1389.	2.4	33
3	TGF- β -dependent reprogramming of amino acid metabolism induces epithelial-mesenchymal transition in non-small cell lung cancers. <i>Communications Biology</i> , 2021, 4, 782.	4.4	29
4	Asperuloside Improves Obesity and Type 2 Diabetes through Modulation of Gut Microbiota and Metabolic Signaling. <i>Science</i> , 2020, 23, 101522.	4.1	21
5	Transomics analysis reveals allosteric and gene regulation axes for altered hepatic glucose-responsive metabolism in obesity. <i>Science Signaling</i> , 2020, 13, .	3.6	21
6	Metabolic profiling of prostate cancer in skeletal microenvironments identifies G6PD as a key mediator of growth and survival. <i>Science Advances</i> , 2022, 8, eabf9096.	10.3	19
7	Kinetic Trans-omic Analysis Reveals Key Regulatory Mechanisms for Insulin-Regulated Glucose Metabolism in Adipocytes. <i>Science</i> , 2020, 23, 101479.	4.1	17
8	Comprehensive Dipeptide Profiling and Quantitation by Capillary Electrophoresis and Liquid Chromatography Coupled with Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 9799-9806.	6.5	16
9	Metabolomic Analysis of Small Extracellular Vesicles Derived from Pancreatic Cancer Cells Cultured under Normoxia and Hypoxia. <i>Metabolites</i> , 2021, 11, 215.	2.9	16
10	Comprehensive Dipeptide Analysis Revealed Cancer-Specific Profile in the Liver of Patients with Hepatocellular Carcinoma and Hepatitis. <i>Metabolites</i> , 2020, 10, 442.	2.9	15
11	The use of a double coaxial electrospray ionization sprayer improves the peak resolutions of anionic metabolites in capillary ion chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1619, 460914.	3.7	15
12	Seaweed Dietary Fiber Sodium Alginate Suppresses the Migration of Colonic Inflammatory Monocytes and Diet-Induced Metabolic Syndrome via the Gut Microbiota. <i>Nutrients</i> , 2021, 13, 2812.	4.1	13
13	A Metabolomic Profile Predictive of New Osteoporosis or Sarcopenia Development. <i>Metabolites</i> , 2021, 11, 278.	2.9	10
14	Xanthurenic Acid Is the Main Pigment of <i>Trichonephila clavata</i> Gold Dragline Silk. <i>Biomolecules</i> , 2021, 11, 563.	4.0	9
15	Quality Assessment of Untargeted Analytical Data in a Large-Scale Metabolomic Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 1826.	2.4	6
16	Urinary Metabolome Analyses of Patients with Acute Kidney Injury Using Capillary Electrophoresis-Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 671.	2.9	6
17	Comparative Metabolomics of Small Molecules Specifically Expressed in the Dorsal or Ventral Marginal Zones in Vertebrate Gastrula. <i>Metabolites</i> , 2022, 12, 566.	2.9	6
18	Four features of temporal patterns characterize similarity among individuals and molecules by glucose ingestion in humans. <i>Npj Systems Biology and Applications</i> , 2022, 8, 6.	3.0	5

#	ARTICLE	IF	CITATIONS
19	Basigin deficiency prevents anaplerosis and ameliorates insulin resistance and hepatosteatosis. JCI Insight, 2021, 6, .	5.0	3
20	Hao1 Is Not a Pathogenic Factor for Ectopic Ossifications but Functions to Regulate the TCA Cycle In Vivo. Metabolites, 2022, 12, 82.	2.9	1
21	Comparative Evaluation of Plasma Metabolomic Data from Multiple Laboratories. Metabolites, 2022, 12, 135.	2.9	1
22	Metabolic Effects of Bee Larva-Derived Protein in Mice: Assessment of an Alternative Protein Source. Foods, 2021, 10, 2642.	4.3	0
23	Development of Fluorophosphoramidate as a Biocompatibly Transformable Functional Group and its Application as a Phosphate Prodrug for Nucleoside Analogs. ChemMedChem, 2022, 17, .	3.2	0