

# Akiyoshi Hirayama

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2605389/publications.pdf>

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  | Hao1 Is Not a Pathogenic Factor for Ectopic Ossifications but Functions to Regulate the TCA Cycle In Vivo. <i>Metabolites</i> , 2022, 12, 82.   | 2.9  | 1         |
| 2  | Comparative Evaluation of Plasma Metabolomic Data from Multiple Laboratories. <i>Metabolites</i> , 2022, 12, 135.   | 2.9  | 1         |
| 3  | 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         |
| 4  | 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        |
| 5  | Development of Fluorophosphoramidate as a Biocompatibly Transformable Functional Group and its Application as a Phosphate Prodrug for Nucleoside Analogs. <i>ChemMedChem</i> , 2022, 17, .            | 3.2  | 0         |
| 6  | 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         |
| 7  | Xanthurenic Acid Is the Main Pigment of <i>Trichonephila clavata</i> Gold Dragline Silk. <i>Biomolecules</i> , 2021, 11, 563.   | 4.0  | 9         |
| 8  | A Metabolomic Profile Predictive of New Osteoporosis or Sarcopenia Development. <i>Metabolites</i> , 2021, 11, 278.   | 2.9  | 10        |
| 9  | Quality Assessment of Untargeted Analytical Data in a Large-Scale Metabolomic Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 1826.  | 2.4  | 6         |
| 10 | 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        |
| 11 | TGF- $\beta$ 2-dependent reprogramming of amino acid metabolism induces epithelial $\rightarrow$ mesenchymal transition in non-small cell lung cancers. <i>Communications Biology</i> , 2021, 4, 782. | 4.4  | 29        |
| 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 | Urinary Metabolome Analyses of Patients with Acute Kidney Injury Using Capillary Electrophoresis-Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 671.   | 2.9  | 6         |
| 14 | Basigin deficiency prevents anaplerosis and ameliorates insulin resistance and hepatosteatosis. <i>JCI Insight</i> , 2021, 6, .   | 5.0  | 3         |
| 15 | Metabolic Effects of Bee Larva-Derived Protein in Mice: Assessment of an Alternative Protein Source. <i>Foods</i> , 2021, 10, 2642.   | 4.3  | 0         |
| 16 | Asperuloside Improves Obesity and Type 2 Diabetes through Modulation of Gut Microbiota and Metabolic Signaling. <i>IScience</i> , 2020, 23, 101522.   | 4.1  | 21        |
| 17 | Kinetic Trans-omic Analysis Reveals Key Regulatory Mechanisms for Insulin-Regulated Glucose Metabolism in Adipocytes. <i>IScience</i> , 2020, 23, 101479.   | 4.1  | 17        |
| 18 | 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        |

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|----|--|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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        |
| 22 | Inter-Laboratory Comparison of Metabolite Measurements for Metabolomics Data Integration. <i>Metabolites</i> , 2019, 9, 257.   | 2.9 | 34        |
| 23 | Development of a sheathless CE-ESI-MS interface. <i>Electrophoresis</i> , 2018, 39, 1382-1389.   | 2.4 | 33        |