

Amino Assets: How Amino Acids Support Immunity

Cell Metabolism

32, 154-175

DOI: [10.1016/j.cmet.2020.06.010](https://doi.org/10.1016/j.cmet.2020.06.010)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Immunometabolism in the Single-Cell Era. <i>Cell Metabolism</i> , 2020, 32, 710-725.	7.2	116
2	BCAT1 affects mitochondrial metabolism independently of leucine transamination in activated human macrophages. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	24
3	Lipid Metabolism in Tumor-Associated Natural Killer Cells. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1316, 71-85.	0.8	9
4	Metabolomics reveals sex-specific metabolic shifts and predicts the duration from positive to negative in non-severe COVID-19 patients during recovery process. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1863-1873.	1.9	18
5	Metabolomic Analysis of Aqueous Humor Identifies Aberrant Amino Acid and Fatty Acid Metabolism in Vogt-Koyanagi-Harada and Behcetâ€™s Disease. <i>Frontiers in Immunology</i> , 2021, 12, 587393.	2.2	11
6	Cutting edge: Metabolic immune reprogramming, reactive oxygen species, and cancer. <i>Journal of Cellular Physiology</i> , 2021, 236, 6168-6189.	2.0	8
7	Amino Acid Metabolism in Lupus. <i>Frontiers in Immunology</i> , 2021, 12, 623844.	2.2	12
8	More than just protein building blocks: how amino acids and related metabolic pathways fuel macrophage polarization. <i>FEBS Journal</i> , 2021, 288, 3694-3714.	2.2	83
9	Identification of Urine Metabolic Biomarkers for Vogt-Koyanagi-Harada Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 637489.	1.8	10
10	The SARS-CoV-2 induced targeted amino acid profiling in patients at hospitalized and convalescent stage. <i>Bioscience Reports</i> , 2021, 41, .	1.1	20
11	How Changes in the Nutritional Landscape Shape Gut Immunometabolism. <i>Nutrients</i> , 2021, 13, 823.	1.7	14
12	MetaPrism: A versatile toolkit for joint taxa/gene analysis of metagenomic sequencing data. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	1
13	Metabolic rewiring: a new master of Th17 cell plasticity and heterogeneity. <i>FEBS Journal</i> , 2022, 289, 2448-2466.	2.2	10
14	Amino acids and RagD potentiate mTORC1 activation in CD8 ⁺ T cells to confer antitumor immunity. , 2021, 9, e002137.		13
16	Immune and metabolic checkpoints blockade: Dual wielding against tumors. <i>International Immunopharmacology</i> , 2021, 94, 107461.	1.7	13
17	Metabolic reprogramming and epigenetic modifications on the path to cancer. <i>Protein and Cell</i> , 2022, 13, 877-919.	4.8	179
18	The biological underpinnings of therapeutic resistance in pancreatic cancer. <i>Genes and Development</i> , 2021, 35, 940-962.	2.7	51
19	Reliance on Cox10 and oxidative metabolism for antigen-specific NK cell expansion. <i>Cell Reports</i> , 2021, 35, 109209.	2.9	16

#	ARTICLE	IF	CITATIONS
21	Integrative biology defines novel biomarkers of resistance to strongyloid infection in horses. <i>Scientific Reports</i> , 2021, 11, 14278.	1.6	5
22	Altered skeletal muscle metabolic pathways, age, systemic inflammation, and low cardiorespiratory fitness associate with improvements in disease activity following high-intensity interval training in persons with rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2021, 23, 187.	1.6	11
23	Pathophysiology of decompensated cirrhosis: Portal hypertension, circulatory dysfunction, inflammation, metabolism and mitochondrial dysfunction. <i>Journal of Hepatology</i> , 2021, 75, S49-S66.	1.8	146
24	Effects of <i>Lactococcus lactis</i> on the Intestinal Functions in Weaning Piglets. <i>Frontiers in Nutrition</i> , 2021, 8, 713256.	1.6	8
25	Metabolic Alterations in Preneoplastic Development Revealed by Untargeted Metabolomic Analysis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 684036.	1.8	5
26	A computational strategy for metabolic network construction based on the overlapping ratio: Study of patients'™ metabolic responses to different dialysis patterns. <i>Computational Biology and Chemistry</i> , 2021, 93, 107539.	1.1	1
27	Micelles Based on Lysine, Histidine, or Arginine: Designing Structures for Enhanced Drug Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 744657.	2.0	10
28	Induction of defense response against <i>Alternaria rot</i> in Zaosu pear fruit by exogenous L-lysine through regulating ROS metabolism and activating defense-related proteins. <i>Postharvest Biology and Technology</i> , 2021, 179, 111567.	2.9	37
29	A discussion on the "dispensable"™ amino acids. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2021, 24, 395-401.	1.3	3
30	Sphingolipid metabolism during Toll-like receptor 4 (TLR4)-mediated macrophage activation. <i>British Journal of Pharmacology</i> , 2021, 178, 4575-4587.	2.7	33
31	A Targeted Serum Metabolomics GC-MS Approach Identifies Predictive Blood Biomarkers for Retained Placenta in Holstein Dairy Cows. <i>Metabolites</i> , 2021, 11, 633.	1.3	5
32	Tryptophan Catabolism and Inflammation: A Novel Therapeutic Target For Aortic Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 731701.	2.2	16
33	Immunity boosting nutraceuticals: Current trends and challenges. <i>Journal of Food Biochemistry</i> , 2022, 46, e13902.	1.2	23
34	From the environment to the cells: An overview on pivotal factors which affect spreading and infection in COVID-19 pandemic. <i>Environmental Research</i> , 2021, 201, 111555.	3.7	8
35	Exposure to ambient fine particulate matter impedes the function of spleen in the mouse metabolism of high-fat diet. <i>Journal of Hazardous Materials</i> , 2022, 423, 127129.	6.5	18
36	Asparagine enhances LCK signalling to potentiate CD8+ T-cell activation and anti-tumour responses. <i>Nature Cell Biology</i> , 2021, 23, 75-86.	4.6	83
37	The Role of Non-essential Amino Acids in T Cell Function and Anti-tumour Immunity. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2021, 69, 29.	1.0	14
38	Citrulline deiminase pathway provides ATP and boosts growth of <i>Clostridium carboxidivorans</i> P7. <i>Biotechnology for Biofuels</i> , 2021, 14, 204.	6.2	1

#	ARTICLE	IF	CITATIONS
39	Dichotomous metabolic networks govern human ILC2 proliferation and function. <i>Nature Immunology</i> , 2021, 22, 1367-1374.	7.0	34
40	Innovative Artificial-Intelligence- Based Approach for the Biodegradation of Feather Keratin by <i>Bacillus paramycoides</i> , and Cytotoxicity of the Resulting Amino Acids. <i>Frontiers in Microbiology</i> , 2021, 12, 731262.	1.5	15
41	Aspartate Metabolism Facilitates IL-1 β Production in Inflammatory Macrophages. <i>Frontiers in Immunology</i> , 2021, 12, 753092.	2.2	11
42	Metabolic Changes in Tumor Microenvironment: How Could They Affect β T Cells Functions?. <i>Cells</i> , 2021, 10, 2896.	1.8	11
44	Cancer metabolism and tumor microenvironment: fostering each other?. <i>Science China Life Sciences</i> , 2022, 65, 236-279.	2.3	68
45	pH-Regulating Nanoplatfor for the "Double Channel Chase" of Tumor Cells by the Synergistic Cascade between Chlorine Treatment and Methionine-Depletion Starvation Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54690-54705.	4.0	10
46	Mitochondrial Dysfunction in Advanced Liver Disease: Emerging Concepts. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 772174.	1.6	9
47	Cluster analysis and profiling of airway fluid metabolites in pediatric acute hypoxemic respiratory failure. <i>Scientific Reports</i> , 2021, 11, 23019.	1.6	10
48	Efficient, selective, and reusable metal-organic framework-based adsorbent for the removal of Pb(II) and Cr(VI) heavy-metal pollutants from wastewater. <i>Cleaner Engineering and Technology</i> , 2021, 5, 100344.	2.1	15
49	Yaobitong capsules reshape and rebalance the gut microbiota and metabolites of arthritic rats: An integrated study of microbiome and fecal metabolomics analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1190, 123096.	1.2	6
50	Possibilities for prediction of congenital fetal malformations and chromosomal abnormalities based on the determination of the levels of free amino acids and their nitrogen-containing derivatives in blood plasma of pregnant women. <i>Problemy Zdorov'ia i Ākologii</i> , 2020, , 152-158.	0.0	0
51	Integration of Transcriptome and Proteome in Lymph Nodes Reveal the Different Immune Responses to PRRSV Between PRRSV-Resistant Tongcheng Pigs and PRRSV-Susceptible Large White Pigs. <i>Frontiers in Genetics</i> , 2022, 13, 800178.	1.1	4
52	The Amino Acids Sensing and Utilization in Response to Dietary Aromatic Amino Acid Supplementation in LPS-Induced Inflammation Piglet Model. <i>Frontiers in Nutrition</i> , 2021, 8, 819835.	1.6	8
53	Ferroptosis Regulator Modification Patterns and Tumor Microenvironment Immune Infiltration Characterization in Hepatocellular Carcinoma. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 807502.	1.6	4
54	A Metabolic Reprogramming Amino Acid Polymer as an Immunosurveillance Activator and Leukemia Targeting Drug Carrier for T Cell Acute Lymphoblastic Leukemia. <i>Advanced Science</i> , 2022, 9, e2104134.	5.6	27
55	Transcriptome and metabolome analyses of the immune response to light stress in the hybrid grouper (<i>Epinephelus lanceolatus</i> \times <i>Epinephelus fuscoguttatus</i>). <i>Animal</i> , 2022, 16, 100448.	1.3	9
56	The Role of Dietary Essential Amino Acids in Muscle and Health. <i>Food Supplements and Biomaterials for Health</i> , 0, 2, .	0.3	0
57	Food and nutrition as modifiers of the immune system: A mechanistic overview. <i>Trends in Food Science and Technology</i> , 2022, 123, 393-403.	7.8	14

#	ARTICLE	IF	CITATIONS
58	Changes to the amino acid profile and proteome of the tropical freshwater microalga <i>Chlorella</i> sp. in response to copper stress. <i>Ecotoxicology and Environmental Safety</i> , 2022, 233, 113336.	2.9	16
59	Purification of novel polypeptides from bee pupae and their immunomodulatory activity in vivo and in vitro. <i>Journal of Insects As Food and Feed</i> , 2022, 8, 1117-1132.	2.1	5
60	SLC7A5 expression is up-regulated in peripheral blood T and B lymphocytes of systemic lupus erythematosus patients, associating with renal damage. <i>Clinical Immunology</i> , 2022, 237, 108987.	1.4	1
61	Multi-omics reveals that <i>Bifidobacterium breve</i> M-16V may alleviate the immune dysregulation caused by nanopolystyrene. <i>Environment International</i> , 2022, 163, 107191.	4.8	19
62	Therapeutic nexus of T cell immunometabolism in improving transplantation immunotherapy. <i>International Immunopharmacology</i> , 2022, 106, 108621.	1.7	3
63	Ionic Regulation of T-Cell Function and Anti-Tumour Immunity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13668.	1.8	4
64	Th17/IL-17, Immunometabolism and Psoriatic Disease: A Pathological Trifecta. , 0, , .		0
65	Study of the effects of Au@ZIF-8 on metabolism in mouse RAW 264.7 macrophages. , 2022, 138, 212800.		1
66	Detection of L-Aspartic Acid and L-Glutamic Acid in Water Using a Fluorescent Nanoparticle Constructed by Pillar[5]arene-Based Molecular Recognition. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
67	Electrocarboxylation of <i>N</i> -Acylimines with Carbon Dioxide: Access to Substituted α -Amino Acids. <i>Organic Letters</i> , 2022, 24, 3565-3569.	2.4	25
68	Obesity by High-Fat Diet Increases Pain Sensitivity by Reprogramming Branched-Chain Amino Acid Catabolism in Dorsal Root Ganglia. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	4
69	Neuroinflammatory responses following zinc or branched-chain amino acids supplementation in obese rats. <i>Metabolic Brain Disease</i> , 2022, 37, 1875-1886.	1.4	7
70	Amino Acid Metabolism-Related lncRNA Signature Predicts the Prognosis of Breast Cancer. <i>Frontiers in Genetics</i> , 2022, 13, .	1.1	9
71	Nutrients Interaction with the Immune System.. <i>Archives of Razi Institute</i> , 2021, 76, 1579-1588.	0.4	8
72	Immunomodulatory properties of mesenchymal stromal/stem cells: The link with metabolism. <i>Journal of Advanced Research</i> , 2023, 45, 15-29.	4.4	15
73	Metabolomic Investigation of Ultraviolet Ray-Inactivated White Spot Syndrome Virus-Induced Trained Immunity in <i>Marsipenaeus japonicus</i> . <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	4
74	Using metabolomics to discover the immunomodulator activity of food plants. <i>Heliyon</i> , 2022, 8, e09507.	1.4	2
75	Targeting SLC7A11 improves efferocytosis by dendritic cells and wound healing in diabetes. <i>Nature</i> , 2022, 606, 776-784.	13.7	86

#	ARTICLE	IF	CITATIONS
76	Metabolic profiling disturbance of PM2.5 revealed by Raman spectroscopy and mass spectrometry-based nontargeted metabolomics. <i>Environmental Science and Pollution Research</i> , 2022, 29, 74500-74511.	2.7	3
77	Leucine-tRNA-synthetase-2-expressing B cells contribute to colorectal cancer immunoevasion. <i>Immunity</i> , 2022, 55, 1067-1081.e8.	6.6	21
78	Early Weaning and Milk Substitutes Affect the Gut Microbiome, Metabolomics, and Antibody Profile in Goat Kids Suffering From Diarrhea. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
79	D-aspartic acid protects against gingival fibroblasts inflammation by suppressing pyroptosis. <i>Molecular Biology Reports</i> , 0, , .	1.0	0
80	Elevated BCAA Suppresses the Development and Metastasis of Breast Cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	10
81	Nutraceuticals and Dietary Supplements for Older Adults with Long COVID-19. <i>Clinics in Geriatric Medicine</i> , 2022, 38, 565-591.	1.0	20
82	Metabolism and polarization regulation of macrophages in the tumor microenvironment. <i>Cancer Letters</i> , 2022, 543, 215766.	3.2	26
83	Structural characterization and immune-enhancing activity of a novel acid proteoglycan from Black soybean. <i>Arabian Journal of Chemistry</i> , 2022, 15, 104030.	2.3	0
84	New insights on the effects of in-pond raceway aquaculture system (IRAS) with dietary rhubarb extracts on the fresh meat quality of <i>Megalobrama amblycephala</i> . <i>Aquaculture</i> , 2022, 560, 738524.	1.7	3
85	The chiral pyridoxal-catalyzed biomimetic Mannich reaction: the mechanism and origin of stereoselectivity. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	6
87	<i>Lactobacillus plantarum</i> WSJ-06 alleviates neurobehavioral injury induced by lead in mice through the gut microbiota. <i>Food and Chemical Toxicology</i> , 2022, 167, 113308.	1.8	14
88	Present and Future: Crosstalks Between Polycystic Ovary Syndrome and Gut Metabolites Relating to Gut Microbiota. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	8
89	Condensed Fuzheng extract increases immune function in mice with cyclophosphamide-induced immunosuppression. <i>Food Science and Nutrition</i> , 2022, 10, 3865-3875.	1.5	2
90	Identification of peptides from protease-fermented milk protein and immunomodulatory effect <i>in vivo</i> against lipopolysaccharide-induced inflammation. <i>International Journal of Food Science and Technology</i> , 0, , .	1.3	0
91	Hydrolyzed chicken meat extract boosts the immunoregulatory effect by regulating M1/M2 Macrophage polarization. <i>Journal of Functional Foods</i> , 2022, 95, 105194.	1.6	4
92	Identification of Prognostic Metabolomic Biomarkers at the Interface of Mortality and Morbidity in Pre-Existing TB Cases Infected With SARS-CoV-2. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	5
93	OATD-02 Validates the Benefits of Pharmacological Inhibition of Arginase 1 and 2 in Cancer. <i>Cancers</i> , 2022, 14, 3967.	1.7	10
94	Identify metabolism-related genes IDO1, ALDH2, NCOA2, SLC7A5, SLC3A2, LDHB, and HPRT1 as potential prognostic markers and correlate with immune infiltrates in head and neck squamous cell carcinoma. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5

#	ARTICLE	IF	CITATIONS
95	Common methods in mitochondrial research (Review). <i>International Journal of Molecular Medicine</i> , 2022, 50, .	1.8	9
96	Fabrication of UiO-66-NH ₂ with 4,6-Diamino-2-mercaptopyrimidine facilitate the removal of Pb ²⁺ in aqueous medium: Nitrogen and sulfur act as the main adsorption sites. <i>Fuel Processing Technology</i> , 2022, 236, 107431.	3.7	6
97	Temperature induces metabolic reprogramming in fish during bacterial infection. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
98	Amino Acid Profiles and Nutritional Evaluation of Fresh Sweetâ€™Waxy Corn from Three Different Regions of China. <i>Nutrients</i> , 2022, 14, 3887.	1.7	11
99	Glutathione deficiency in the pathogenesis of SARS-CoV-2 infection and its effects upon the host immune response in severe COVID-19 disease. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	9
100	Combating hematopoietic and hepatocellular abnormalities resulting from administration of cisplatin: role of liver targeted glycyrrhetic acid nanoliposomes loaded with amino acids. <i>Pharmaceutical Development and Technology</i> , 2022, 27, 925-941.	1.1	6
101	Metabolomics Reveals Nutritional Diversity among Six Coarse Cereals and Antioxidant Activity Analysis of Grain Sorghum and Sweet Sorghum. <i>Antioxidants</i> , 2022, 11, 1984.	2.2	4
102	Rapid and Nondestructive Detection of Proline in Serum Using Near-Infrared Spectroscopy and Partial Least Squares. <i>Journal of Analytical Methods in Chemistry</i> , 2022, 2022, 1-12.	0.7	2
103	Exploring Gut Microbiome in Predicting the Efficacy of Immunotherapy in Non-Small Cell Lung Cancer. <i>Cancers</i> , 2022, 14, 5401.	1.7	7
104	Progress in research on the role of amino acid metabolic reprogramming in tumour therapy: A review. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113923.	2.5	7
105	Multimiomics analysis elucidated molecular mechanism of aromatic amino acid biosynthesis in <i>Akebia trifoliata</i> fruit. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
106	Amino-Acid-Conjugated Natural Compounds: Aims, Designs and Results. <i>Molecules</i> , 2022, 27, 7631.	1.7	8
107	CD8+ Tâ€™cell metabolic rewiring defined by scRNA-seq identifies a critical role of ASNS expression dynamics in Tâ€™cell differentiation. <i>Cell Reports</i> , 2022, 41, 111639.	2.9	12
108	Myeloid-derived itaconate suppresses cytotoxic CD8+ T cells and promotes tumour growth. <i>Nature Metabolism</i> , 2022, 4, 1660-1673.	5.1	39
109	A new multi-identification system based on a poly(L-cysteine) sensor for simultaneous detection of multiple steroid hormones in serum. <i>Chemical Engineering Journal</i> , 2023, 455, 140812.	6.6	2
110	Dynamic tagging to drive arginine nano-assembly to metabolically potentiate immune checkpoint blockade therapy. <i>Biomaterials</i> , 2023, 292, 121938.	5.7	11
111	2-Nitroterephthalato-based uranyl coordination polymers: Selective luminescent sensing for vitamin B5 and Cr ²⁺ . <i>Dyes and Pigments</i> , 2023, 210, 111005.	2.0	5
112	Dual RNA-seq reveals a host-pathogen interaction transcriptional regulation pattern between <i>Cryptocaryon irritans</i> and large yellow croaker (<i>Larimichthys crocea</i>). <i>Aquaculture</i> , 2023, 565, 739104.	1.7	3

#	ARTICLE	IF	CITATIONS
113	VPS34-dependent control of apical membrane function of proximal tubule cells and nutrient recovery by the kidney. <i>Science Signaling</i> , 2022, 15, .	1.6	5
114	Impact of Gamma Irradiation and Kale Leaf Powder on Amino Acid and Fatty Acid Profiles of Chicken Meat under Different Storage Intervals. <i>Molecules</i> , 2022, 27, 8201.	1.7	4
115	Invited review: Muscle protein breakdown and its assessment in periparturient dairy cows. <i>Journal of Dairy Science</i> , 2023, 106, 822-842.	1.4	8
116	L-Arginine is a feasible supplement to heal chronic anal fissure via reducing internal anal sphincter pressure: a randomized clinical trial study. <i>Amino Acids</i> , 0, , .	1.2	3
117	Study of phytochemical compounds of <i>Plantago major</i> leaves grown in Kazakhstan. <i>Pharmacia</i> , 2022, 69, 1019-1026.	0.4	5
118	Immunomodulatory Function of Egg White Peptides in RAW264.7 Macrophage Cells and Immunosuppressive Mice Induced by Cyclophosphamide. <i>International Journal of Peptide Research and Therapeutics</i> , 2023, 29, .	0.9	2
119	The Role of Amino Acid Metabolism of Tumor Associated Macrophages in the Development of Colorectal Cancer. <i>Cells</i> , 2022, 11, 4106.	1.8	5
120	Amino acid availability acts as a metabolic rheostat to determine the magnitude of ILC2 responses. <i>Journal of Experimental Medicine</i> , 2023, 220, .	4.2	8
121	Metabolomic analysis of porcine intestinal epithelial cells during swine acute diarrhea syndrome coronavirus infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	2
122	Engineering amino acid uptake or catabolism promotes CAR T-cell adaption to the tumor environment. <i>Blood Advances</i> , 2023, 7, 1754-1761.	2.5	8
124	Microbiome, alveolar bone, and metabolites: Connecting the dots. <i>Frontiers in Dental Medicine</i> , 0, 3, .	0.5	0
125	Applications of spatially resolved omics in the field of endocrine tumors. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	3
126	A Transcriptomic Regulatory Network among miRNAs, lncRNAs, circRNAs, and mRNAs Associated with L-leucine-induced Proliferation of Equine Satellite Cells. <i>Animals</i> , 2023, 13, 208.	1.0	0
127	The Main Physicochemical Characteristics and Nutrient Composition during Fruit Ripening of <i>Stauntonia obovatifoliola</i> Subsp. <i>Urophylla</i> (Lardizabalaceae). <i>Horticulturae</i> , 2023, 9, 29.	1.2	2
128	Heritability of Protein and Metabolite Biomarkers Associated with COVID-19 Severity: A Metabolomics and Proteomics Analysis. <i>Biomolecules</i> , 2023, 13, 46.	1.8	3
130	Glutamine synthetase expression rescues human dendritic cell survival in a glutamine-deprived environment. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	0
131	Alterations of plasma exosomal proteins and metabolites are associated with the progression of castration-resistant prostate cancer. <i>Journal of Translational Medicine</i> , 2023, 21, .	1.8	9
132	Effects of Saline-Alkaline Stress on Metabolome, Biochemical Parameters, and Histopathology in the Kidney of Crucian Carp (<i>Carassius auratus</i>). <i>Metabolites</i> , 2023, 13, 159.	1.3	4

#	ARTICLE	IF	CITATIONS
135	Enantioselectivity effects of energy metabolism in honeybees (<i>Apis mellifera</i>) by triticonazole. <i>Science of the Total Environment</i> , 2023, 877, 162884.	3.9	1
138	Insights into the metabolic profiling of <i>Polygonati Rhizoma</i> fermented by <i>Lactiplantibacillus plantarum</i> under aerobic and anaerobic conditions using a UHPLC-QE-MS/MS system. <i>Frontiers in Nutrition</i> , 0, 10, .	1.6	2
139	Activities against Lung Cancer of Biosynthesized Silver Nanoparticles: A Review. <i>Biomedicines</i> , 2023, 11, 389.	1.4	5
140	Fructose Stimulated Colonic Arginine and Proline Metabolism Dysbiosis, Altered Microbiota and Aggravated Intestinal Barrier Dysfunction in DSS-Induced Colitis Rats. <i>Nutrients</i> , 2023, 15, 782.	1.7	6
141	Changes in Faecal and Plasma Amino Acid Profile in Dogs with Food-Responsive Enteropathy as Indicators of Gut Homeostasis Disruption: A Pilot Study. <i>Veterinary Sciences</i> , 2023, 10, 112.	0.6	1
142	Hyperlipidaemia elicits an atypical, T helper 1-like CD4+ T-cell response: a key role for very low-density lipoprotein. <i>European Heart Journal Open</i> , 2023, 3, .	0.9	1
143	Immunometabolic Processes of Macrophages in Disease States. <i>Physiology</i> , 0, , .	4.0	0
144	Glutamine Metabolism Underlies the Functional Similarity of T Cells between Nile Tilapia and Tetrapod. <i>Advanced Science</i> , 2023, 10, .	5.6	3
146	Amino Acid Profiles in Older Adults with Frailty: Secondary Analysis from MetaboFrail and BIOSPHERE Studies. <i>Metabolites</i> , 2023, 13, 542.	1.3	2
147	Analysis of nutritional components and essential amino acids of Korean traditional porridge. <i>CYTA - Journal of Food</i> , 2023, 21, 328-333.	0.9	0
148	Boosting HSA Vaccination with Jujube Powder Modulating Gut Microbiota Favorable for Arginine Metabolism. <i>Nutrients</i> , 2023, 15, 1955.	1.7	2
149	Efficient detection of L-aspartic acid and L-glutamic acid by self-assembled fluorescent microparticles with AIE and FRET activities. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 4022-4027.	1.5	6
194	Common pathogenic bacteria-induced reprogramming of the host proteinogenic amino acids metabolism. <i>Amino Acids</i> , 0, , .	1.2	0
200	Immunometabolism of dendritic cells in health and disease. <i>Advances in Immunology</i> , 2023, , .	1.1	0
212	The Effect of Micro/Nano Roughness on Antifouling and Bactericidal Surfaces. , 0, , .		0