

# Fueling Immunity: Insights into Metabolism and Lymph

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Adenosine-Mono-Phosphate-Activated Protein Kinase-Independent Effects of Metformin in T Cells. PLoS ONE, 2014, 9, e106710.	1.1	31
2	Early Decision: Effector and Effector Memory T Cell Differentiation in Chronic Infection. Current Immunology Reviews, 2014, 9, 190-206.	1.2	33
3	On the Immunological Theory of Aging. Interdisciplinary Topics in Gerontology, 2014, 39, 163-176.	3.6	87
4	Hexokinase II Binding to Mitochondria Is Necessary for Kupffer Cell Activation and Is Potentiated by Ethanol Exposure. Journal of Biological Chemistry, 2014, 289, 26213-26226.	1.6	11
5	Anaplerotic Metabolism of Alloreactive T Cells Provides a Metabolic Approach To Treat Graft-Versus-Host Disease. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 298-307.	1.3	62
6	c-Myc and AP4: a relay team for metabolic reprogramming of CD8+ T cells. Nature Immunology, 2014, 15, 828-829.	7.0	5
7	Lymphocyte Glucose and Glutamine Metabolism as Targets of the Anti-Inflammatory and Immunomodulatory Effects of Exercise. Mediators of Inflammation, 2014, 2014, 1-10.	1.4	26
8	The Bioenergetic Health Index: a new concept in mitochondrial translational research. Clinical Science, 2014, 127, 367-373.	1.8	266
9	Estimating Relative Changes of Metabolic Fluxes. PLoS Computational Biology, 2014, 10, e1003958.	1.5	12
10	The Role of Fatty Acid Oxidation in the Metabolic Reprogramming of Activated T-Cells. Frontiers in Immunology, 2014, 5, 641.	2.2	25
11	When Erythropoietin Meddles in Immune Affairs. Journal of the American Society of Nephrology: JASN, 2014, 25, 1887-1889.	3.0	5
12	Insight into the role of mTOR and metabolism in T cells reveals new potential approaches to preventing graft rejection. Current Opinion in Organ Transplantation, 2014, 19, 363-371.	0.8	26
13	Promoting Thiol Expression Increases the Durability of Antitumor T-cell Functions. Cancer Research, 2014, 74, 6036-6047.	0.4	34
14	Immune Activation and HIV Transmission. , 2014, , 1-11.		0
15	Powering the Immune System: Mitochondria in Immune Function and Deficiency. Journal of Immunology Research, 2014, 2014, 1-8.	0.9	68
16	Nutrient Sensing via mTOR in T Cells Maintains a Tolerogenic Microenvironment. Frontiers in Immunology, 2014, 5, 409.	2.2	63
17	Targeting T Cell Immunometabolism for Cancer Immunotherapy; Understanding the Impact of the Tumor Microenvironment. Frontiers in Oncology, 2014, 4, 107.	1.3	62
18	Essential role for autophagy during invariant NKT cell development. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5678-87.	3.3	95

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19	Metabolic fuelling of proper T cell functions. <i>Immunology Letters</i> , 2014, 161, 174-178.	1.1	14
20	Metabolic Consequences of HIV: Pathogenic Insights. <i>Current HIV/AIDS Reports</i> , 2014, 11, 35-44.	1.1	34
21	When lymphocytes run out of steam. <i>Nature</i> , 2014, 510, 222-223.	13.7	4
22	Fatty acid synthesis tips the TH17-Treg cell balance. <i>Nature Medicine</i> , 2014, 20, 1235-1236.	15.2	13
23	Molecular regulation of effector and memory T cell differentiation. <i>Nature Immunology</i> , 2014, 15, 1104-1115.	7.0	462
24	AMPK promotes macrophage fatty acid oxidative metabolism to mitigate inflammation: implications for diabetes and cardiovascular disease. <i>Immunology and Cell Biology</i> , 2014, 92, 340-345.	1.0	117
25	Tsc1 promotes the differentiation of memory CD8 <sup>+</sup> T cells via orchestrating the transcriptional and metabolic programs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14858-14863.	3.3	64
26	The Metabolic Theory of Pulmonary Arterial Hypertension. <i>Circulation Research</i> , 2014, 115, 148-164.	2.0	244
27	Futility Sustains Memory T Cells. <i>Immunity</i> , 2014, 41, 1-3.	6.6	22
28	Memory CD8 <sup>+</sup> T Cells Use Cell-Intrinsic Lipolysis to Support the Metabolic Programming Necessary for Development. <i>Immunity</i> , 2014, 41, 75-88.	6.6	650
29	Bcl-6 directly represses the gene program of the glycolysis pathway. <i>Nature Immunology</i> , 2014, 15, 957-964.	7.0	168
30	Heterogeneity of glycolysis in cancers and therapeutic opportunities. <i>Biochemical Pharmacology</i> , 2014, 92, 12-21.	2.0	44
31	Homeostatic inflammation in innate immunity. <i>Current Opinion in Immunology</i> , 2014, 30, 85-90.	2.4	30
32	The Stress-Response Sensor Chop Regulates the Function and Accumulation of Myeloid-Derived Suppressor Cells in Tumors. <i>Immunity</i> , 2014, 41, 389-401.	6.6	200
33	mTOR- and HIF-1 $\alpha$ -mediated aerobic glycolysis as metabolic basis for trained immunity. <i>Science</i> , 2014, 345, 1250684.	6.0	1,517
34	Defining the Human Adipose Tissue Proteome To Reveal Metabolic Alterations in Obesity. <i>Journal of Proteome Research</i> , 2014, 13, 5106-5119.	1.8	55
35	Tissue damage control in disease tolerance. <i>Trends in Immunology</i> , 2014, 35, 483-494.	2.9	147
36	De novo fatty acid synthesis controls the fate between regulatory T and T helper 17 cells. <i>Nature Medicine</i> , 2014, 20, 1327-1333.	15.2	694

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37	Metabolism of stromal and immune cells in health and disease. <i>Nature</i> , 2014, 511, 167-176.	13.7	377
38	Does metabolic reprogramming underpin age-associated changes in T cell phenotype and function?. <i>Free Radical Biology and Medicine</i> , 2014, 71, 26-35.	1.3	18
39	The Metabolic Basis of Pulmonary Arterial Hypertension. <i>Cell Metabolism</i> , 2014, 19, 558-573.	7.2	194
40	Cellular signaling in the aging immune system. <i>Current Opinion in Immunology</i> , 2014, 29, 105-111.	2.4	139
41	A review of the mitochondrial and glycolytic metabolism in human platelets and leukocytes: Implications for their use as bioenergetic biomarkers. <i>Redox Biology</i> , 2014, 2, 206-210.	3.9	310
42	Inhibition of the lymphocyte metabolic switch by the oxidative burst of human neutrophils. <i>Clinical Science</i> , 2015, 129, 489-504.	1.8	20
43	Mathematical models for explaining the Warburg effect: a review focussed on ATP and biomass production. <i>Biochemical Society Transactions</i> , 2015, 43, 1187-1194.	1.6	52
44	Metabolic dysfunction in lymphocytes promotes postoperative morbidity. <i>Clinical Science</i> , 2015, 129, 423-437.	1.8	28
45	Egln2 associates with the <sc>NRF</sc>1<sc>PGC</sc>1± complex and controls mitochondrial function in breast cancer. <i>EMBO Journal</i> , 2015, 34, 2953-2970.	3.5	58
46	Myc or no Myc, that is the question. <i>EMBO Journal</i> , 2015, 34, 1990-1991.	3.5	5
47	Inhibition of fatty acid oxidation modulates immunosuppressive functions of myeloid-derived suppressor cells and enhances cancer therapies. , 2015, 3, .		5
48	Deciphering metabolic networks by blue native polyacrylamide gel electrophoresis: A functional proteomic exploration. <i>EuPA Open Proteomics</i> , 2015, 7, 64-72.	2.5	15
49	The rate of glycolysis quantitatively mediates specific histone acetylation sites. <i>Cancer &amp; Metabolism</i> , 2015, 3, 10.	2.4	121
50	Metabolic plasticity of human T cells: Preserved cytokine production under glucose deprivation or mitochondrial restriction, but 2-deoxyglucose affects effector functions. <i>European Journal of Immunology</i> , 2015, 45, 2504-2516.	1.6	75
51	Reference proteome of highly purified human Th1 cells reveals strong effects on metabolism and protein ubiquitination upon differentiation. <i>Proteomics</i> , 2015, 15, 3644-3647.	1.3	14
52	The Warburg effect in mycobacterial granulomas is dependent on the recruitment and activation of macrophages by interferon- $\gamma$ . <i>Immunology</i> , 2015, 145, 498-507.	2.0	45
53	Ionizing Radiation Impairs T Cell Activation by Affecting Metabolic Reprogramming. <i>International Journal of Biological Sciences</i> , 2015, 11, 726-736.	2.6	35
54	IL-15 PI3K AKT mTOR: A Critical Pathway in the Life Journey of Natural Killer Cells. <i>Frontiers in Immunology</i> , 2015, 6, 355.	2.2	102

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55	Mitochondrial Ca <sup>2+</sup> and membrane potential, an alternative pathway for Interleukin 6 to regulate CD4 cell effector function. <i>ELife</i> , 2015, 4, .	2.8	70
56	T lymphocyte regulation by mevalonate metabolism. <i>Science Signaling</i> , 2015, 8, re4.	1.6	68
57	Metabolic control of type 1 regulatory T cell differentiation by AHR and HIF1- $\alpha$ . <i>Nature Medicine</i> , 2015, 21, 638-646.	15.2	374
58	5-Aminoimidazole-4-carboxamide-1- $\beta$ -D-ribofuranoside-attenuates LPS-Gal-induced acute hepatitis in mice. <i>Innate Immunity</i> , 2015, 21, 698-705.	1.1	10
59	Host-directed therapy: tuberculosis vaccine development. <i>Lancet Respiratory Medicine</i> , the, 2015, 3, 172-173.	5.2	1
60	Expanding the role of metabolism in T cells. <i>Science</i> , 2015, 348, 976-977.	6.0	21
61	Targeting metabolism for lupus therapy. <i>Science Translational Medicine</i> , 2015, 7, 274fs5.	5.8	13
62	Environmental and Metabolic Sensors That Control T Cell Biology. <i>Frontiers in Immunology</i> , 2015, 6, 99.	2.2	45
63	Targeting cancer metabolism at the plasma membrane by limiting amino acid access through SLC6A14. <i>Biochemical Journal</i> , 2015, 470, e17-e19.	1.7	17
64	Feeding an army: The metabolism of T cells in activation, anergy, and exhaustion. <i>Molecular Immunology</i> , 2015, 68, 492-496.	1.0	65
65	Mode of Bioenergetic Metabolism during B Cell Differentiation in the Intestine Determines the Distinct Requirement for Vitamin B1. <i>Cell Reports</i> , 2015, 13, 122-131.	2.9	96
66	Notch signaling maintains T cell memories. <i>Nature Medicine</i> , 2015, 21, 16-18.	15.2	7
67	Sugar, fat, and protein: new insights into what T cells crave. <i>Current Opinion in Immunology</i> , 2015, 33, 49-54.	2.4	19
68	GOS2 modulates homeostatic proliferation of na $\bar{v}$ e CD8 <sup>+</sup> T cells and inhibits oxidative phosphorylation in mitochondria. <i>Immunology and Cell Biology</i> , 2015, 93, 605-615.	1.0	11
69	Vitamin D3 Induces Tolerance in Human Dendritic Cells by Activation of Intracellular Metabolic Pathways. <i>Cell Reports</i> , 2015, 10, 711-725.	2.9	228
70	Immune-metabolic profiling of anorexic patients reveals an anti-oxidant and anti-inflammatory phenotype. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 396-405.	1.5	37
71	The WOMED model of benign thyroid disease: Acquired magnesium deficiency due to physical and psychological stressors relates to dysfunction of oxidative phosphorylation. <i>BBA Clinical</i> , 2015, 3, 44-64.	4.1	22
72	Targeting T cell metabolism for therapy. <i>Trends in Immunology</i> , 2015, 36, 71-80.	2.9	204

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73	Activation-Specific Metabolic Requirements for NK Cell IFN- $\gamma$ Production. <i>Journal of Immunology</i> , 2015, 194, 1954-1962.	0.4	227
74	AMPK Helps T Cells Survive Nutrient Starvation. <i>Immunity</i> , 2015, 42, 4-6.	6.6	23
75	Fatty acid metabolism in the regulation of T cell function. <i>Trends in Immunology</i> , 2015, 36, 81-91.	2.9	324
76	Dendritic cell SIRT1-HIF1 $\alpha$ axis programs the differentiation of CD4 <sup>+</sup> T cells through IL-12 and TGF- $\beta$ 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E957-65.	3.3	95
77	The RNA-binding protein HuR is essential for the B cell antibody response. <i>Nature Immunology</i> , 2015, 16, 415-425.	7.0	125
78	Regulation of mitochondrial nutrient and energy metabolism by BCL-2 family proteins. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 165-175.	3.1	71
79	Special Conference on Tumor Immunology and Immunotherapy: A New Chapter. <i>Cancer Immunology Research</i> , 2015, 3, 590-597.	1.6	14
80	Complement Regulates Nutrient Influx and Metabolic Reprogramming during Th1 Cell Responses. <i>Immunity</i> , 2015, 42, 1033-1047.	6.6	190
81	Mitochondrial function provides instructive signals for activation-induced B-cell fates. <i>Nature Communications</i> , 2015, 6, 6750.	5.8	138
82	Molecular and cellular insights into T cell exhaustion. <i>Nature Reviews Immunology</i> , 2015, 15, 486-499.	10.6	3,159
83	Glucose Metabolism Regulates T Cell Activation, Differentiation, and Functions. <i>Frontiers in Immunology</i> , 2015, 6, 1.	2.2	611
84	5-Aminoimidazole-4-carboxamide-1- $\beta$ -D-ribofuranoside alleviated carbon tetrachloride-induced acute hepatitis in mice. <i>International Immunopharmacology</i> , 2015, 25, 393-399.	1.7	15
85	Normalization of CD4 <sup>+</sup> T cell metabolism reverses lupus. <i>Science Translational Medicine</i> , 2015, 7, 274ra18.	5.8	502
86	T cell metabolic fitness in antitumor immunity. <i>Trends in Immunology</i> , 2015, 36, 257-264.	2.9	237
87	Infection homeostasis: implications for therapeutic and immune programming of metabolism in controlling infection. <i>Medical Microbiology and Immunology</i> , 2015, 204, 395-407.	2.6	17
88	Pyruvate Dehydrogenase Kinase 1 Participates in Macrophage Polarization via Regulating Glucose Metabolism. <i>Journal of Immunology</i> , 2015, 194, 6082-6089.	0.4	251
89	Identification of key binding site residues of MCT1 for AR-C155858 reveals the molecular basis of its isoform selectivity. <i>Biochemical Journal</i> , 2015, 466, 177-188.	1.7	35
90	mTOR and metabolic regulation of conventional and regulatory T cells. <i>Journal of Leukocyte Biology</i> , 2015, 97, 837-847.	1.5	46

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91	Mitochondria in the Regulation of Innate and Adaptive Immunity. <i>Immunity</i> , 2015, 42, 406-417.	6.6	693
92	Metabolic regulation of hepatitis B immunopathology by myeloid-derived suppressor cells. <i>Nature Medicine</i> , 2015, 21, 591-600.	15.2	226
93	Recent advances in understanding the pathophysiology of primary T cell immunodeficiencies. <i>Trends in Molecular Medicine</i> , 2015, 21, 408-416.	3.5	18
94	T-cell energy metabolism as a controller of cell fate in transplantation. <i>Current Opinion in Organ Transplantation</i> , 2015, 20, 21-28.	0.8	22
95	Stress, Metabolism and Cancer. <i>Cancer Journal (Sudbury, Mass )</i> , 2015, 21, 97-103.	1.0	34
96	Glucose metabolism provide distinct prosurvival benefits to non-small cell lung carcinomas. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 572-577.	1.0	10
97	Rethinking the paradigm: How comparative studies on fatty acid oxidation inform our understanding of T cell metabolism. <i>Molecular Immunology</i> , 2015, 68, 564-574.	1.0	16
98	Preventing Allograft Rejection by Targeting Immune Metabolism. <i>Cell Reports</i> , 2015, 13, 760-770.	2.9	156
99	T cell metabolism drives immunity. <i>Journal of Experimental Medicine</i> , 2015, 212, 1345-1360.	4.2	937
100	Synchronizing transcriptional control of T cell metabolism and function. <i>Nature Reviews Immunology</i> , 2015, 15, 574-584.	10.6	111
101	Hypoxia-inducible factors regulate T cell metabolism and function. <i>Molecular Immunology</i> , 2015, 68, 527-535.	1.0	66
102	Inhibition of Fatty Acid Oxidation Modulates Immunosuppressive Functions of Myeloid-Derived Suppressor Cells and Enhances Cancer Therapies. <i>Cancer Immunology Research</i> , 2015, 3, 1236-1247.	1.6	387
103	Mitochondrial Respiration Controls Lysosomal Function during Inflammatory T Cell Responses. <i>Cell Metabolism</i> , 2015, 22, 485-498.	7.2	239
104	T cell metabolic reprogramming and plasticity. <i>Molecular Immunology</i> , 2015, 68, 507-512.	1.0	54
105	T cell metabolism and susceptibility to autoimmune diseases. <i>Molecular Immunology</i> , 2015, 68, 558-563.	1.0	19
106	Phosphoenolpyruvate Is a Metabolic Checkpoint of Anti-tumor T Cell Responses. <i>Cell</i> , 2015, 162, 1217-1228.	13.5	1,044
107	Metabolic Competition in the Tumor Microenvironment Is a Driver of Cancer Progression. <i>Cell</i> , 2015, 162, 1229-1241.	13.5	2,158
108	Transcriptional regulation of T cell metabolism. <i>Molecular Immunology</i> , 2015, 68, 520-526.	1.0	18

#	ARTICLE	IF	CITATIONS
109	Microbe-associated immunomodulatory metabolites: Influence on T cell fate and function. <i>Molecular Immunology</i> , 2015, 68, 575-584.	1.0	23
110	Lineage relationship of CD8+ T cell subsets is revealed by progressive changes in the epigenetic landscape. <i>Cellular and Molecular Immunology</i> , 0, , .	4.8	7
111	Causes of upregulation of glycolysis in lymphocytes upon stimulation. A comparison with other cell types. <i>Biochimie</i> , 2015, 118, 185-194.	1.3	15
112	Immunity to Helminths: Resistance, Regulation, and Susceptibility to Gastrointestinal Nematodes. <i>Annual Review of Immunology</i> , 2015, 33, 201-225.	9.5	175
113	Dendritic cell metabolism. <i>Nature Reviews Immunology</i> , 2015, 15, 18-29.	10.6	423
114	Synergy of local, regional, and systemic non-specific stressors for host defense against pathogens. <i>Journal of Theoretical Biology</i> , 2015, 367, 39-48.	0.8	4
115	Choline kinase inhibition in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 1399-1407.	0.5	64
116	Multi-tasking of biosynthetic and energetic functions of glycolysis explained by supply and demand logic. <i>BioEssays</i> , 2015, 37, 34-45.	1.2	26
117	Impaired T cell function in argininosuccinate synthetase deficiency. <i>Journal of Leukocyte Biology</i> , 2015, 97, 273-278.	1.5	39
118	The Monocarboxylate Transporter 4 Is Required for Glycolytic Reprogramming and Inflammatory Response in Macrophages. <i>Journal of Biological Chemistry</i> , 2015, 290, 46-55.	1.6	146
119	AMPK in Lymphocyte Metabolism and Function. <i>International Reviews of Immunology</i> , 2015, 34, 67-81.	1.5	29
120	<sc>Arginine Depletion Blunts Antitumor T-cell Responses by Inducing Myeloid-Derived Suppressor Cells. <i>Cancer Research</i> , 2015, 75, 275-283.	0.4	209
121	Metabolic Mysteries of the Inflammatory Response: T Cell Polarization and Plasticity. <i>International Reviews of Immunology</i> , 2015, 34, 3-18.	1.5	21
122	Adenosine signaling mediates hypoxic responses in the chronic lymphocytic leukemia microenvironment. <i>Blood Advances</i> , 2016, 1, 47-61.	2.5	48
123	Influence of exogenous leptin on redox homeostasis in neutrophils and lymphocytes cultured in synovial fluid isolated from patients with rheumatoid arthritis. <i>Reumatologia</i> , 2016, 3, 103-107.	0.5	10
124	Metabolic Regulation of Natural Killer Cell IFN- $\gamma$ Production. <i>Critical Reviews in Immunology</i> , 2016, 36, 131-147.	1.0	101
125	Sending Out an SOS: Mitochondria as a Signaling Hub. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 109.	1.8	85
126	Tumor Microenvironment Metabolism: A New Checkpoint for Anti-Tumor Immunity. <i>Vaccines</i> , 2016, 4, 46.	2.1	87



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127	T Cells and Gene Regulation: The Switching On and Turning Up of Genes after T Cell Receptor Stimulation in CD8 T Cells. <i>Frontiers in Immunology</i> , 2016, 7, 76.	2.2	63
128	Intrinsic and Tumor Microenvironment-Induced Metabolism Adaptations of T Cells and Impact on Their Differentiation and Function. <i>Frontiers in Immunology</i> , 2016, 7, 114.	2.2	28
129	Modeling-Enabled Systems Nutritional Immunology. <i>Frontiers in Nutrition</i> , 2016, 3, 5.	1.6	21
130	Different Subsets of T Cells, Memory, Effector Functions, and CAR-T Immunotherapy. <i>Cancers</i> , 2016, 8, 36.	1.7	396
131	Mitochondrial Biogenesis and Proteome Remodeling Promote One-Carbon Metabolism for T Cell Activation. <i>Cell Metabolism</i> , 2016, 24, 104-117.	7.2	282
132	Inflammation and Epidural-Related Maternal Fever: Proposed Mechanisms. <i>Anesthesia and Analgesia</i> , 2016, 122, 1546-1553.	1.1	76
133	Critical Role of Glucose Metabolism in Rheumatoid Arthritis Fibroblast-like Synoviocytes. <i>Arthritis and Rheumatology</i> , 2016, 68, 1614-1626.	2.9	197
134	Metabolic reprogramming of myeloid-derived suppressor cells (MDSC) in cancer. <i>Oncolmunology</i> , 2016, 5, e1200771.	2.1	45
135	Glucose- and glutamine-fueled stabilization of C-Myc is required for T-cell proliferation and malignant transformation. <i>Cell Death Discovery</i> , 2016, 2, 16047.	2.0	7
136	Energy metabolism of T-lymphocytes and its biological significance. <i>Science Bulletin</i> , 2016, 61, 1270-1280.	4.3	2
137	Immunometabolic Pathways in BCG-Induced Trained Immunity. <i>Cell Reports</i> , 2016, 17, 2562-2571.	2.9	467
138	Computational properties of mitochondria in T cell activation and fate. <i>Open Biology</i> , 2016, 6, 160192.	1.5	5
139	Fine-Tuning of CD8 + T Cell Mitochondrial Metabolism by the Respiratory Chain Repressor MCJ Dictates Protection to Influenza Virus. <i>Immunity</i> , 2016, 44, 1299-1311.	6.6	61
140	The effect of immunosuppressive molecules on T-cell metabolic reprogramming. <i>Biochimie</i> , 2016, 127, 23-36.	1.3	53
141	Mitochondria and Antiviral Immunity. , 2016, , 187-212.		3
142	Emerging Role and Characterization of Immunometabolism: Relevance to HIV Pathogenesis, Serious Non-AIDS Events, and a Cure. <i>Journal of Immunology</i> , 2016, 196, 4437-4444.	0.4	39
143	Myeloid-Restricted AMPK $\beta$ 1 Promotes Host Immunity and Protects against IL-12/23p40-Dependent Lung Injury during Hookworm Infection. <i>Journal of Immunology</i> , 2016, 196, 4632-4640.	0.4	23
144	Immunometabolism of regulatory T cells. <i>Nature Immunology</i> , 2016, 17, 618-625.	7.0	259

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145	Brain aerobic glycolysis and motor adaptation learning. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3782-91.	3.3	62
146	Metabolomics in rheumatic diseases: desperately seeking biomarkers. Nature Reviews Rheumatology, 2016, 12, 269-281.	3.5	128
147	Characterization of Diabetogenic CD8+ T Cells. Journal of Biological Chemistry, 2016, 291, 11230-11240.	1.6	25
148	Adequate hypoxia inducible factor 1 $\alpha$ signaling is indispensable for bone regeneration. Bone, 2016, 87, 176-186.	1.4	39
149	UV-inactivated HSV-1 potently activates NK cell killing of leukemic cells. Blood, 2016, 127, 2575-2586.	0.6	28
150	Lineage relationship of CD8+ T cell subsets is revealed by progressive changes in the epigenetic landscape. Cellular and Molecular Immunology, 2016, 13, 502-513.	4.8	99
151	An optimized protocol for adenosine triphosphate quantification in T lymphocytes of lymphopenic patients. Journal of Immunological Methods, 2016, 439, 59-66.	0.6	2
152	Aerobic glycolysis promotes T helper 1 cell differentiation through an epigenetic mechanism. Science, 2016, 354, 481-484.	6.0	563
153	Mathematical Models for Immunology: Current State of the Art and Future Research Directions. Bulletin of Mathematical Biology, 2016, 78, 2091-2134.	0.9	143
154	The Tumor Microenvironment Represses T Cell Mitochondrial Biogenesis to Drive Intratumoral T Cell Metabolic Insufficiency and Dysfunction. Immunity, 2016, 45, 374-388.	6.6	504
155	Germinal centre hypoxia and regulation of antibody qualities by a hypoxia response system. Nature, 2016, 537, 234-238.	13.7	215
156	The rise of mitochondria in medicine. Mitochondrion, 2016, 30, 105-116.	1.6	349
157	The AMP analog AICAR modulates the T <sub>reg</sub> /T <sub>h</sub> 17 axis through enhancement of fatty acid oxidation. FASEB Journal, 2016, 30, 3800-3809.	0.2	89
158	Metabolic requirements for cancer cell proliferation. Cancer & Metabolism, 2016, 4, 16.	2.4	99
159	Clinical significance of T cell metabolic reprogramming in cancer. Clinical and Translational Medicine, 2016, 5, 29.	1.7	69
160	Interferon Regulatory Factor 4 controls TH1 cell effector function and metabolism. Scientific Reports, 2016, 6, 35521.	1.6	63
161	Glutaminolysis and Fumarate Accumulation Integrate Immunometabolic and Epigenetic Programs in Trained Immunity. Cell Metabolism, 2016, 24, 807-819.	7.2	584
162	Metabolic plasticity in heterogeneous pancreatic ductal adenocarcinoma. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1866, 177-188.	3.3	18

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164	Long-Lived Plasma Cells Have a Sweet Tooth. <i>Immunity</i> , 2016, 45, 3-5.	6.6	15
165	Lack of <i>p53</i> Augments Antitumor Functions in Cytolytic T Cells. <i>Cancer Research</i> , 2016, 76, 5229-5240.	0.4	34
166	Critical role of fatty acid metabolism in ILC2-mediated barrier protection during malnutrition and helminth infection. <i>Journal of Experimental Medicine</i> , 2016, 213, 1409-1418.	4.2	137
167	L-Arginine Modulates T Cell Metabolism and Enhances Survival and Anti-tumor Activity. <i>Cell</i> , 2016, 167, 829-842.e13.	13.5	1,077
168	Fundamentals of cancer metabolism. <i>Science Advances</i> , 2016, 2, e1600200.	4.7	2,039
169	Restoring oxidant signaling suppresses proarthritogenic T cell effector functions in rheumatoid arthritis. <i>Science Translational Medicine</i> , 2016, 8, 331ra38.	5.8	201
170	Constitutive Glycolytic Metabolism Supports CD8+ T Cell Effector Memory Differentiation during Viral Infection. <i>Immunity</i> , 2016, 45, 1024-1037.	6.6	167
171	Characterization of the 5' flanking region of the human DNA helicase B (HELB) gene and its response to trans-Resveratrol. <i>Scientific Reports</i> , 2016, 6, 24510.	1.6	7
172	Retroviral Transduction of Helper T Cells as a Genetic Approach to Study Mechanisms Controlling their Differentiation and Function. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	2
173	An Optimized Protocol to Analyze Glycolysis and Mitochondrial Respiration in Lymphocytes. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	31
174	Immunometabolism may provide new insights into novel mechanisms of HIV reservoir persistence. <i>Aids</i> , 2016, 30, 2895-2896.	1.0	6
175	Mitochondrial Dynamics Controls T Cell Fate through Metabolic Programming. <i>Cell</i> , 2016, 166, 63-76.	13.5	1,025
176	Imaging brain aerobic glycolysis as a marker of synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7015-7016.	3.3	20
177	Suppression of IRG-1 Reduces Inflammatory Cell Infiltration and Lung Injury in Respiratory Syncytial Virus Infection by Reducing Production of Reactive Oxygen Species. <i>Journal of Virology</i> , 2016, 90, 7313-7322.	1.5	47
178	Limiting Energy Dissipation Induces Glassy Kinetics in Single-Cell High-Precision Responses. <i>Biophysical Journal</i> , 2016, 110, 1180-1190.	0.2	2
179	Redox biology and the interface between bioenergetics, autophagy and circadian control of metabolism. <i>Free Radical Biology and Medicine</i> , 2016, 100, 94-107.	1.3	44
180	Mitochondrial Networking in T Cell Memory. <i>Cell</i> , 2016, 166, 9-10.	13.5	21
181	Measuring Bioenergetics in T Cells Using a Seahorse Extracellular Flux Analyzer. <i>Current Protocols in Immunology</i> , 2016, 113, 3.16B.1-3.16B.14.	3.6	123

#	ARTICLE	IF	CITATIONS
182	EGFR Signaling Enhances Aerobic Glycolysis in Triple-Negative Breast Cancer Cells to Promote Tumor Growth and Immune Escape. <i>Cancer Research</i> , 2016, 76, 1284-1296.	0.4	190
183	Mitochondrial Membrane Potential Identifies Cells with Enhanced Stemness for Cellular Therapy. <i>Cell Metabolism</i> , 2016, 23, 63-76.	7.2	291
184	The Immune-Metabolic Basis of Effector Memory CD4+ T Cell Function under Hypoxic Conditions. <i>Journal of Immunology</i> , 2016, 196, 106-114.	0.4	72
185	Protective effects of Ginsenoside Rg1 against carbon tetrachloride-induced liver injury in mice through suppression of inflammation. <i>Phytomedicine</i> , 2016, 23, 583-588.	2.3	39
186	(Compl)Ex-Th17â€“T<sub>reg</sub> cell inter-relationship. <i>OncolImmunology</i> , 2016, 5, e1040217.	2.1	6
187	Metabolic Reprogramming Supports IFN-Î³ Production by CD56bright NK Cells. <i>Journal of Immunology</i> , 2016, 196, 2552-2560.	0.4	242
188	Harnessing the plasticity of CD4+ T cells to treat immune-mediated disease. <i>Nature Reviews Immunology</i> , 2016, 16, 149-163.	10.6	409
189	Mcl-1 regulates effector and memory CD8 T-cell differentiation during acute viral infection. <i>Virology</i> , 2016, 490, 75-82.	1.1	10
190	Hepatitis C Virusâ€“Induced Myeloid-Derived Suppressor Cells Suppress NK Cell IFN-Î³ Production by Altering Cellular Metabolism via Arginase-1. <i>Journal of Immunology</i> , 2016, 196, 2283-2292.	0.4	86
191	Metabolomics connects aberrant bioenergetic, transmethylation, and gut microbiota in sarcoidosis. <i>Metabolomics</i> , 2016, 12, 1.	1.4	22
192	T cell proliferation and adaptive immune responses are critically regulated by protein phosphatase 4. <i>Cell Cycle</i> , 2016, 15, 1073-1083.	1.3	11
193	Prevailing over T cell exhaustion: New developments in the immunotherapy of pancreatic cancer. <i>Cancer Letters</i> , 2016, 381, 259-268.	3.2	30
194	Regulatory T cell memory. <i>Nature Reviews Immunology</i> , 2016, 16, 90-101.	10.6	287
195	AMPK and mTOR: sensors and regulators of immunometabolic changes during <i>Salmonella</i> infection in the chicken. <i>Poultry Science</i> , 2016, 95, 345-353.	1.5	42
196	Asparagine deprivation mediated by <i>Salmonella</i> asparaginase causes suppression of activation-induced T cell metabolic reprogramming. <i>Journal of Leukocyte Biology</i> , 2016, 99, 387-398.	1.5	39
197	Enhancing adoptive T cell immunotherapy with microRNA therapeutics. <i>Seminars in Immunology</i> , 2016, 28, 45-53.	2.7	34
198	Reprogramming away from the exhausted T cell state. <i>Seminars in Immunology</i> , 2016, 28, 35-44.	2.7	25
199	Glucose Oxidation Is Critical for CD4+ T Cell Activation in a Mouse Model of Systemic Lupus Erythematosus. <i>Journal of Immunology</i> , 2016, 196, 80-90.	0.4	132

#	ARTICLE	IF	CITATIONS
200	Serine Is an Essential Metabolite for Effector T Cell Expansion. <i>Cell Metabolism</i> , 2017, 25, 345-357.	7.2	429
201	T memory stem cells in health and disease. <i>Nature Medicine</i> , 2017, 23, 18-27.	15.2	396
202	Crustacean hyperglycemic hormones directly modulate the immune response of hemocytes in shrimp <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2017, 62, 164-174.	1.6	44
203	Targeting Metabolism as a Novel Therapeutic Approach to Autoimmunity, Inflammation, and Transplantation. <i>Journal of Immunology</i> , 2017, 198, 999-1005.	0.4	82
204	A tale of two glutaminases: homologous enzymes with distinct roles in tumorigenesis. <i>Future Medicinal Chemistry</i> , 2017, 9, 223-243.	1.1	109
205	Myeloid-derived cullin 3 promotes STAT3 phosphorylation by inhibiting OGT expression and protects against intestinal inflammation. <i>Journal of Experimental Medicine</i> , 2017, 214, 1093-1109.	4.2	85
206	Metabolic origins of spatial organization in the tumor microenvironment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2934-2939.	3.3	259
207	Inhibiting Oxidative Phosphorylation In Vivo Restrains Th17 Effector Responses and Ameliorates Murine Colitis. <i>Journal of Immunology</i> , 2017, 198, 2735-2746.	0.4	56
208	The EGR2 targets LAG-3 and 4-1BB describe and regulate dysfunctional antigen-specific CD8+ T cells in the tumor microenvironment. <i>Journal of Experimental Medicine</i> , 2017, 214, 381-400.	4.2	154
209	Cancer acidity: An ultimate frontier of tumor immune escape and a novel target of immunomodulation. <i>Seminars in Cancer Biology</i> , 2017, 43, 74-89.	4.3	414
210	Cutting Edge: Increased Autoimmunity Risk in Glycogen Storage Disease Type 1b Is Associated with a Reduced Engagement of Glycolysis in T Cells and an Impaired Regulatory T Cell Function. <i>Journal of Immunology</i> , 2017, 198, 3803-3808.	0.4	36
211	Adenosine Formed by CD73 on T Cells Inhibits Cardiac Inflammation and Fibrosis and Preserves Contractile Function in Transverse Aortic Constriction-Induced Heart Failure. <i>Circulation: Heart Failure</i> , 2017, 10, .	1.6	30
212	Regulatory T cells as suppressors of anti-tumor immunity: Role of metabolism. <i>Cytokine and Growth Factor Reviews</i> , 2017, 35, 15-25.	3.2	33
213	Fuelling the mechanisms of asthma: Increased fatty acid oxidation in inflammatory immune cells may represent a novel therapeutic target. <i>Clinical and Experimental Allergy</i> , 2017, 47, 1170-1184.	1.4	28
214	Metabolic Instruction of Immunity. <i>Cell</i> , 2017, 169, 570-586.	13.5	871
215	Homocysteine Activates B Cells via Regulating PKM2-Dependent Metabolic Reprogramming. <i>Journal of Immunology</i> , 2017, 198, 170-183.	0.4	55
216	Metabolic Reprogramming Commits Differentiation of Human CD27+IgD+ B Cells to Plasmablasts or CD27 <sup>hi</sup> IgD <sup>hi</sup> Cells. <i>Journal of Immunology</i> , 2017, 199, 425-434.	0.4	72
217	Sphingosine-1-Phosphate as the Lymphocyte's Ticket to Ride and Survive. <i>Developmental Cell</i> , 2017, 41, 576-578.	3.1	2

#	ARTICLE	IF	CITATIONS
218	Targeting T cell metabolism to regulate T cell activation, differentiation and function in disease. <i>Current Opinion in Immunology</i> , 2017, 46, 82-88.	2.4	88
219	MenTORing Immunity: mTOR Signaling in the Development and Function of Tissue-Resident Immune Cells. <i>Immunity</i> , 2017, 46, 730-742.	6.6	179
220	Energy metabolic pathways control the fate and function of myeloid immune cells. <i>Journal of Leukocyte Biology</i> , 2017, 102, 369-380.	1.5	49
221	From mechanism to therapies in systemic lupus erythematosus. <i>Current Opinion in Rheumatology</i> , 2017, 29, 178-186.	2.0	32
222	Memory T cells: A helpful guard for allogeneic hematopoietic stem cell transplantation without causing graft-versus-host disease. <i>Hematology/ Oncology and Stem Cell Therapy</i> , 2017, 10, 211-219.	0.6	22
223	Cancer immunotherapy by targeting immune checkpoints: mechanism of T cell dysfunction in cancer immunity and new therapeutic targets. <i>Journal of Biomedical Science</i> , 2017, 24, 35.	2.6	88
224	Cytochrome c Oxidase Activity Is a Metabolic Checkpoint that Regulates Cell Fate Decisions During T Cell Activation and Differentiation. <i>Cell Metabolism</i> , 2017, 25, 1254-1268.e7.	7.2	125
225	Evidence of the immunomodulatory role of dual PI3K/mTOR inhibitors in transplantation: an experimental study in mice. <i>Transplant International</i> , 2017, 30, 1061-1074.	0.8	7
226	Obesity altered T cell metabolism and the response to infection. <i>Current Opinion in Immunology</i> , 2017, 46, 1-7.	2.4	77
227	T cell metabolism in metabolic disease-associated autoimmunity. <i>Immunobiology</i> , 2017, 222, 925-936.	0.8	12
228	Physiologic Medium Rewires Cellular Metabolism and Reveals Uric Acid as an Endogenous Inhibitor of UMP Synthase. <i>Cell</i> , 2017, 169, 258-272.e17.	13.5	393
229	MYC and HIF in shaping immune response and immune metabolism. <i>Cytokine and Growth Factor Reviews</i> , 2017, 35, 63-70.	3.2	69
230	Macrophage Immunometabolism: Where Are We (Going)? <i>Trends in Immunology</i> , 2017, 38, 395-406.	2.9	758
231	The Ubiquitin Binding Protein TAX1BP1 Mediates Autophagosome Induction and the Metabolic Transition of Activated T Cells. <i>Immunity</i> , 2017, 46, 405-420.	6.6	64
232	Suppressive IL-17A <sup>+</sup> Foxp3 <sup>+</sup> and ex-Th17 IL-17A <sup>neg</sup> Foxp3 <sup>+</sup> Treg cells are a source of tumour-associated Treg cells. <i>Nature Communications</i> , 2017, 8, 14649.	5.8	128
233	Immune-Neuro-Endocrine Reflexes, Circuits, and Networks: Physiologic and Evolutionary Implications. <i>Frontiers of Hormone Research</i> , 2017, 48, 1-18.	1.0	48
234	Tumour microenvironment factors shaping the cancer metabolism landscape. <i>British Journal of Cancer</i> , 2017, 116, 277-286.	2.9	92
235	The Therapeutic Potential of T Cell Metabolism. <i>American Journal of Transplantation</i> , 2017, 17, 1705-1712.	2.6	7

#	ARTICLE	IF	CITATIONS
236	Cutting Edge: Murine Mast Cells Rapidly Modulate Metabolic Pathways Essential for Distinct Effector Functions. <i>Journal of Immunology</i> , 2017, 198, 640-644.	0.4	34
237	Mitochondrial Dysfunction in Lung Pathogenesis. <i>Annual Review of Physiology</i> , 2017, 79, 495-515.	5.6	79
238	Store-Operated Ca <sup>2+</sup> Entry Controls Clonal Expansion of T Cells through Metabolic Reprogramming. <i>Immunity</i> , 2017, 47, 664-679.e6.	6.6	212
239	Arginine methylation catalyzed by PRMT1 is required for B cell activation and differentiation. <i>Nature Communications</i> , 2017, 8, 891.	5.8	34
240	Resveratrol stimulates the metabolic reprogramming of human CD4 <sup>+</sup> T cells to enhance effector function. <i>Science Signaling</i> , 2017, 10, .	1.6	29
241	IL-12 stimulates CTLs to secrete exosomes capable of activating bystander CD8 <sup>+</sup> T cells. <i>Scientific Reports</i> , 2017, 7, 13365.	1.6	53
242	Cytokine-driven role of Srebps in killer cell metabolism. <i>Nature Immunology</i> , 2017, 18, 1183-1184.	7.0	0
243	The impact of cellular metabolism on chromatin dynamics and epigenetics. <i>Nature Cell Biology</i> , 2017, 19, 1298-1306.	4.6	369
244	Srebp-controlled glucose metabolism is essential for NK cell functional responses. <i>Nature Immunology</i> , 2017, 18, 1197-1206.	7.0	249
245	CD155/TIGIT Signaling Regulates CD8 <sup>+</sup> T-cell Metabolism and Promotes Tumor Progression in Human Gastric Cancer. <i>Cancer Research</i> , 2017, 77, 6375-6388.	0.4	218
246	Metabolic Regulation of T Cell Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1011, 87-130.	0.8	5
247	No Oxygen? No Glucose? No Problem: Fatty Acid Catabolism Enhances Effector CD8 <sup>+</sup> TILs. <i>Cancer Cell</i> , 2017, 32, 280-281.	7.7	13
248	miR-150 Regulates Memory CD8 <sup>+</sup> T Cell Differentiation via c-Myb. <i>Cell Reports</i> , 2017, 20, 2584-2597.	2.9	70
249	Metabolically active CD4 <sup>+</sup> T cells expressing Glut1 and OX40 preferentially harbor HIV during <i>in vitro</i> infection. <i>FEBS Letters</i> , 2017, 591, 3319-3332.	1.3	56
250	Metabolic reprogramming and apoptosis sensitivity: Defining the contours of a T cell response. <i>Cancer Letters</i> , 2017, 408, 190-196.	3.2	28
251	A comprehensive characterization of the impact of mycophenolic acid on the metabolism of Jurkat T cells. <i>Scientific Reports</i> , 2017, 7, 10550.	1.6	12
252	Metabolism in Immune Cell Differentiation and Function. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1011, 1-85.	0.8	14
253	Transcriptional Regulation of T Cell Metabolism Reprogramming. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1011, 131-152.	0.8	1

#	ARTICLE	IF	CITATIONS
254	Opposing regulation and roles for PHD3 in lung dendritic cells and alveolar macrophages. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1115-1126.	1.5	7
255	IL-7 Restores T Lymphocyte Immunometabolic Failure in Septic Shock Patients through mTOR Activation. <i>Journal of Immunology</i> , 2017, 199, 1606-1615.	0.4	45
256	Metabolic control of the scaffold protein TKS5 in tissue-invasive, proinflammatory T cells. <i>Nature Immunology</i> , 2017, 18, 1025-1034.	7.0	103
257	Nuclear localization of metabolic enzymes in immunity and metastasis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 359-371.	3.3	26
258	Murine Full-thickness Skin Transplantation. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	21
259	Metabolic control of TH17 and induced Treg cell balance by an epigenetic mechanism. <i>Nature</i> , 2017, 548, 228-233.	13.7	252
260	Microenvironmental cooperation promotes early spread and bistability of a Warburg-like phenotype. <i>Scientific Reports</i> , 2017, 7, 3103.	1.6	6
261	Whole-Exome Sequencing to Identify Novel Biological Pathways Associated With Infertility After Pelvic Inflammatory Disease. <i>Sexually Transmitted Diseases</i> , 2017, 44, 36-42.	0.8	17
262	AMBRA1 is involved in T cell receptor-mediated metabolic reprogramming through an ATG7-independent pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 1098-1104.	1.0	5
263	CCCTC-Binding Factor Translates Interleukin 2- and $\alpha$ -Ketoglutarate-Sensitive Metabolic Changes in T <sub>H</sub> 1 Cells into Context-Dependent Gene Programs. <i>Immunity</i> , 2017, 47, 251-267.e7.	6.6	84
264	Lymphocyte Fate and Metabolism: A Clonal Balancing Act. <i>Trends in Cell Biology</i> , 2017, 27, 946-954.	3.6	11
265	Fatty Acid Uptake in T Cell Subsets Using a Quantum Dot Fatty Acid Conjugate. <i>Scientific Reports</i> , 2017, 7, 5790.	1.6	26
266	Transcription Factor IRF4 Promotes CD8+ T Cell Exhaustion and Limits the Development of Memory-like T Cells during Chronic Infection. <i>Immunity</i> , 2017, 47, 1129-1141.e5.	6.6	335
267	Physical forces modulate cell differentiation and proliferation processes. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 738-745.	1.6	28
268	Roles of PFKFB3 in cancer. <i>Signal Transduction and Targeted Therapy</i> , 2017, 2, 17044.	7.1	189
269	An HIF-1 $\alpha$ /VEGF-A Axis in Cytotoxic T Cells Regulates Tumor Progression. <i>Cancer Cell</i> , 2017, 32, 669-683.e5.	7.7	352
270	Metabolic control of regulatory T cell (Treg) survival and function by Lkb1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12542-12547.	3.3	115
271	Immunometabolic profiling of T cells from patients with relapsing-remitting multiple sclerosis reveals an impairment in glycolysis and mitochondrial respiration. <i>Metabolism: Clinical and Experimental</i> , 2017, 77, 39-46.	1.5	67



#	ARTICLE	IF	CITATIONS
272	The mitochondrial dynamics in cancer and immune-surveillance. <i>Seminars in Cancer Biology</i> , 2017, 47, 29-42.	4.3	77
273	Immunometabolism of human autoimmune diseases: from metabolites to extracellular vesicles. <i>FEBS Letters</i> , 2017, 591, 3119-3134.	1.3	13
274	Specific and Complex Reprogramming of Cellular Metabolism in Myeloid Cells during Innate Immune Responses. <i>Cell Metabolism</i> , 2017, 26, 142-156.	7.2	144
275	The immunoregulatory role of alpha enolase in dendritic cell function during Chlamydia infection. <i>BMC Immunology</i> , 2017, 18, 27.	0.9	42
276	Molecular imaging biomarkers for cell-based immunotherapies. <i>Journal of Translational Medicine</i> , 2017, 15, 140.	1.8	11
277	A vicious circle in chronic lymphoedema pathophysiology? An adipocentric view. <i>Obesity Reviews</i> , 2017, 18, 1159-1169.	3.1	27
278	Sensitivity to Restimulation-Induced Cell Death Is Linked to Glycolytic Metabolism in Human T Cells. <i>Journal of Immunology</i> , 2017, 198, 147-155.	0.4	19
279	The PD-1/PD-L1 axis contributes to immune metabolic dysfunctions of monocytes in chronic lymphocytic leukemia. <i>Leukemia</i> , 2017, 31, 470-478.	3.3	78
280	Intracellular signalling pathways: targets to reverse immunosenescence. <i>Clinical and Experimental Immunology</i> , 2016, 187, 35-43.	1.1	46
281	Lactate at the crossroads of metabolism, inflammation, and autoimmunity. <i>European Journal of Immunology</i> , 2017, 47, 14-21.	1.6	145
282	GRIM-19: A master regulator of cytokine induced tumor suppression, metastasis and energy metabolism. <i>Cytokine and Growth Factor Reviews</i> , 2017, 33, 1-18.	3.2	29
283	Regulation of H3K4me3 at Transcriptional Enhancers Characterizes Acquisition of Virus-Specific CD8+ T Cell-Lineage-Specific Function. <i>Cell Reports</i> , 2017, 21, 3624-3636.	2.9	53
284	Regulation of Metabolic Activity by p53. <i>Metabolites</i> , 2017, 7, 21.	1.3	63
285	MYC in Regulating Immunity: Metabolism and Beyond. <i>Genes</i> , 2017, 8, 88.	1.0	67
286	Different TCR-induced T lymphocyte responses are potentiated by stiffness with variable sensitivity. <i>ELife</i> , 2017, 6, .	2.8	150
287	Nutrient and Metabolic Sensing in T Cell Responses. <i>Frontiers in Immunology</i> , 2017, 8, 247.	2.2	82
288	Macrophage Metabolism As Therapeutic Target for Cancer, Atherosclerosis, and Obesity. <i>Frontiers in Immunology</i> , 2017, 8, 289.	2.2	225
289	Immunometabolic Regulations Mediated by Coinhibitory Receptors and Their Impact on T Cell Immune Responses. <i>Frontiers in Immunology</i> , 2017, 8, 330.	2.2	44

#	ARTICLE	IF	CITATIONS
290	Sugar or Fat?â€”Metabolic Requirements for Immunity to Viral Infections. <i>Frontiers in Immunology</i> , 2017, 8, 1311.	2.2	42
291	Exploring Non-Metabolic Functions of Glycolytic Enzymes in Immunity. <i>Frontiers in Immunology</i> , 2017, 8, 1549.	2.2	33
292	Metabolic Cooperation and Competition in the Tumor Microenvironment: Implications for Therapy. <i>Frontiers in Oncology</i> , 2017, 7, 68.	1.3	142
293	Reactive oxygen species are required for driving efficient and sustained aerobic glycolysis during CD4+ T cell activation. <i>PLoS ONE</i> , 2017, 12, e0175549.	1.1	67
294	Alterations in the placental methylome with maternal obesity and evidence for metabolic regulation. <i>PLoS ONE</i> , 2017, 12, e0186115.	1.1	89
295	Metabolic regulations of a decoction of <i>Hedyotis diffusa</i> in acute liver injury of mouse models. <i>Chinese Medicine</i> , 2017, 12, 35.	1.6	14
296	Predictive Toxicology: Latest Scientific Developments and Their Application in Safety Assessment. , 2017, , 94-115.		3
297	Host Defense Mechanisms Against Bacteria. , 2017, , 1163-1171.e2.		1
298	Understanding Subset Diversity in T Cell Memory. <i>Immunity</i> , 2018, 48, 214-226.	6.6	389
299	A Flow Cytometry-Based Protocol to Measure Lymphocyte Viability Upon Metabolic Stress. <i>Methods in Molecular Biology</i> , 2018, 1732, 465-476.	0.4	0
300	CD137L dendritic cells induce potent response against cancer-associated viruses and polarize human CD8+ T cells to Tc1 phenotype. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 893-905.	2.0	24
301	IL-23 and IL-1Î² Drive Human Th17 Cell Differentiation and Metabolic Reprogramming in Absence of CD28 Costimulation. <i>Cell Reports</i> , 2018, 22, 2642-2653.	2.9	157
302	Metabolites, genome organization, and cellular differentiation gene programs. <i>Current Opinion in Immunology</i> , 2018, 51, 62-67.	2.4	7
303	Fatty acid metabolism in <scp>CD</scp>8<sup>+</sup> T cell memory: Challenging current concepts. <i>Immunological Reviews</i> , 2018, 283, 213-231.	2.8	103
304	Understanding lymphocyte metabolism for use in cancer immunotherapy. <i>FEBS Journal</i> , 2018, 285, 2567-2578.	2.2	11
305	Transcriptional programming of tissue-resident memory CD8+ T cells. <i>Current Opinion in Immunology</i> , 2018, 51, 162-169.	2.4	92
306	Interplay Between Metabolic Sensors and Immune Cell Signaling. <i>Experientia Supplementum</i> (2012), 2018, 109, 115-196.	0.5	2
307	Metabolic Host Response to Intracellular Infections. <i>Experientia Supplementum</i> (2012), 2018, 109, 319-350.	0.5	0

#	ARTICLE	IF	CITATIONS
308	Ion channelopathies of the immune system. <i>Current Opinion in Immunology</i> , 2018, 52, 39-50.	2.4	77
309	Mesenchymal stromal/stem cells as potential therapy in diabetic retinopathy. <i>Immunobiology</i> , 2018, 223, 729-743.	0.8	56
310	NADH Shuttling Couples Cytosolic Reductive Carboxylation of Glutamine with Glycolysis in Cells with Mitochondrial Dysfunction. <i>Molecular Cell</i> , 2018, 69, 581-593.e7.	4.5	171
311	Psychological Stress and Mitochondria: A Systematic Review. <i>Psychosomatic Medicine</i> , 2018, 80, 141-153.	1.3	191
312	Early TCR Signaling Induces Rapid Aerobic Glycolysis Enabling Distinct Acute T Cell Effector Functions. <i>Cell Reports</i> , 2018, 22, 1509-1521.	2.9	322
313	Psychological Stress and Mitochondria: A Conceptual Framework. <i>Psychosomatic Medicine</i> , 2018, 80, 126-140.	1.3	159
314	Autophagy and T cell metabolism. <i>Cancer Letters</i> , 2018, 419, 20-26.	3.2	45
315	Human MAIT cells show metabolic quiescence with rapid glucose-dependent upregulation of granzyme B upon stimulation. <i>Immunology and Cell Biology</i> , 2018, 96, 666-674.	1.0	34
316	Research advances in metabolism 2017. <i>Metabolism: Clinical and Experimental</i> , 2018, 83, 280-289.	1.5	0
317	Metabolic regulation of macrophages in tissues. <i>Cellular Immunology</i> , 2018, 330, 54-59.	1.4	62
318	The colourless carotenoids phytoene and phytofluene: From dietary sources to their usefulness for the functional foods and nutricosmetics industries. <i>Journal of Food Composition and Analysis</i> , 2018, 67, 91-103.	1.9	67
319	The Secrets of T Cell Polarization. , 2018, , 69-95.		0
320	Remodelling of primary human CD4 <sup>+</sup> T cell plasma membrane order by n-3 PUFA. <i>British Journal of Nutrition</i> , 2018, 119, 163-175.	1.2	34
321	Signal transduction changes in CD4 + and CD8 + T cell subpopulations with aging. <i>Experimental Gerontology</i> , 2018, 105, 128-139.	1.2	44
322	Canonical TGF- $\beta$ 2 Signaling Pathway Represses Human NK Cell Metabolism. <i>Journal of Immunology</i> , 2018, 200, 3934-3941.	0.4	121
323	Lessons learned from the blockade of immune checkpoints in cancer immunotherapy. <i>Journal of Hematology and Oncology</i> , 2018, 11, 31.	6.9	256
324	Complement and the Regulation of T Cell Responses. <i>Annual Review of Immunology</i> , 2018, 36, 309-338.	9.5	171
325	The impact of tumor cell metabolism on T cell-mediated immune responses and immuno-metabolic biomarkers in cancer. <i>Seminars in Cancer Biology</i> , 2018, 52, 66-74.	4.3	18

#	ARTICLE	IF	CITATIONS
326	4-1BB costimulation induces T cell mitochondrial function and biogenesis enabling cancer immunotherapeutic responses. <i>Journal of Experimental Medicine</i> , 2018, 215, 1091-1100.	4.2	197
327	Immunometabolism. <i>Transplantation</i> , 2018, 102, 187-188.	0.5	4
328	Metabolic control of T-cell immunity via epigenetic mechanisms. <i>Cellular and Molecular Immunology</i> , 2018, 15, 203-205.	4.8	20
329	A review of the basics of mitochondrial bioenergetics, metabolism, and related signaling pathways in cancer cells: Therapeutic targeting of tumor mitochondria with lipophilic cationic compounds. <i>Redox Biology</i> , 2018, 14, 316-327.	3.9	166
330	Inflammation and Immune Metabolism. , 2018, , 155-173.		0
331	11 $\beta$ -hydroxysteroid dehydrogenase-1 deficiency alters brain energy metabolism in acute systemic inflammation. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 223-234.	2.0	18
332	Metabolic reprogramming of human CD8+ memory T cells through loss of SIRT1. <i>Journal of Experimental Medicine</i> , 2018, 215, 51-62.	4.2	91
333	Kynurenic acid, an IDO metabolite, controls TSG-6-mediated immunosuppression of human mesenchymal stem cells. <i>Cell Death and Differentiation</i> , 2018, 25, 1209-1223.	5.0	152
334	Early Inhibition of Fatty Acid Synthesis Reduces Generation of Memory Precursor Effector T Cells in Chronic Infection. <i>Journal of Immunology</i> , 2018, 200, 643-656.	0.4	26
335	Exploiting Metabolic Vulnerabilities of Cancer with Precision and Accuracy. <i>Trends in Cell Biology</i> , 2018, 28, 201-212.	3.6	94
336	Mitochondria: A master regulator in macrophage and T cell immunity. <i>Mitochondrion</i> , 2018, 41, 45-50.	1.6	45
337	NFAT control of immune function: New Frontiers for an Abiding Trooper. <i>F1000Research</i> , 2018, 7, 260.	0.8	139
338	A New Insight into the Development of Novel Anti-Cancer Drugs that Improve the Expression of Mitochondrial Function-Associated Genes. , 2018, , .		0
339	Exploiting immune cell metabolic machinery for functional HIV cure and the prevention of inflammaging. <i>F1000Research</i> , 2018, 7, 125.	0.8	24
340	The elevated glutaminolysis of bladder cancer and T cells in a simulated tumor microenvironment contributes to the up-regulation of PD-L1 expression by interferon- $\gamma$ . <i>OncoTargets and Therapy</i> , 2018, Volume 11, 7229-7243.	1.0	11
341	Cross-Talk Between Iron and Glucose Metabolism in the Establishment of Disease Tolerance. <i>Frontiers in Immunology</i> , 2018, 9, 2498.	2.2	18
342	Immunoproteasome Inhibition Impairs T and B Cell Activation by Restraining ERK Signaling and Proteostasis. <i>Frontiers in Immunology</i> , 2018, 9, 2386.	2.2	43
343	Beyond Killing Mycobacterium tuberculosis: Disease Tolerance. <i>Frontiers in Immunology</i> , 2018, 9, 2976.	2.2	33

#	ARTICLE	IF	CITATIONS
344	The Innate Immune Sensor NLRC3 Acts as a Rheostat that Fine-Tunes T Cell Responses in Infection and Autoimmunity. <i>Immunity</i> , 2018, 49, 1049-1061.e6.	6.6	62
345	Resident-Memory T Cells in Tissue-Restricted Immune Responses: For Better or Worse?. <i>Frontiers in Immunology</i> , 2018, 9, 2827.	2.2	71
346	Peeking under the Hood of Naive T Cells. <i>Cell Metabolism</i> , 2018, 28, 801-802.	7.2	4
347	IFN $\gamma$ Impairs Autophagic Degradation of mtDNA Promoting Autoreactivity of SLE Monocytes in a STING-Dependent Fashion. <i>Cell Reports</i> , 2018, 25, 921-933.e5.	2.9	97
348	Human PBMCs fight or flight response to starvation stress: Increased T-reg, FOXP3, and TGF- $\beta$ 1 with decreased miR-21 and Constant miR-181c levels. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 1404-1411.	2.5	9
349	Signal Transduction Changes in T-Cells with Aging. , 2018, , 1-27.		0
350	Metabolomics of Immunity and Its Clinical Applications. <i>Translational Bioinformatics</i> , 2018, , 73-95.	0.0	0
351	Hexokinase 2 is dispensable for T cell-dependent immunity. <i>Cancer &amp; Metabolism</i> , 2018, 6, 10.	2.4	33
352	Continuous treatment with IL-15 exhausts human NK cells via a metabolic defect. <i>JCI Insight</i> , 2018, 3, .	2.3	165
353	Metabolic Dysfunction and Peroxisome Proliferator-Activated Receptors (PPAR) in Multiple Sclerosis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1639.	1.8	17
354	Sprouty branches out to control T cell memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9339-9341.	3.3	1
355	Glucose metabolism and metabolic flexibility in blood platelets. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 2300-2314.	1.9	71
356	Oxygen-dependent regulation of immune checkpoint mechanisms. <i>International Immunology</i> , 2018, 30, 335-343.	1.8	26
357	Role of PKM2 in directing the metabolic fate of glucose in cancer: a potential therapeutic target. <i>Cellular Oncology (Dordrecht)</i> , 2018, 41, 343-351.	2.1	36
358	R-Ras2 is required for germinal center formation to aid B cells during energetically demanding processes. <i>Science Signaling</i> , 2018, 11, .	1.6	24
359	Novel non-invasive early detection of lung cancer using liquid immunobiopsy metabolic activity profiles. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 1135-1146.	2.0	5
360	Reprogramming of Th1 cells into regulatory T cells through rewiring of the metabolic status. <i>International Immunology</i> , 2018, 30, 357-373.	1.8	13
361	Impact of Immunosuppressive Drugs on the Metabolism of T $\gamma$ Cells. <i>International Review of Cell and Molecular Biology</i> , 2018, 341, 169-200.	1.6	29

#	ARTICLE	IF	CITATIONS
362	Etomoxir Actions on Regulatory and Memory T Cells Are Independent of Cpt1a-Mediated Fatty Acid Oxidation. <i>Cell Metabolism</i> , 2018, 28, 504-515.e7.	7.2	264
363	Fatty acid metabolism complements glycolysis in the selective regulatory T cell expansion during tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6546-E6555.	3.3	234
364	The purinergic receptor P2RX7 directs metabolic fitness of long-lived memory CD8+ T cells. <i>Nature</i> , 2018, 559, 264-268.	13.7	209
365	Autophagy Is a Tolerance-Avoidance Mechanism that Modulates TCR-Mediated Signaling and Cell Metabolism to Prevent Induction of T Cell Anergy. <i>Cell Reports</i> , 2018, 24, 1136-1150.	2.9	50
366	Identification of Discriminating Metabolic Pathways and Metabolites in Human PBMCs Stimulated by Various Pathogenic Agents. <i>Frontiers in Physiology</i> , 2018, 9, 139.	1.3	3
367	DEPTOR at the Nexus of Cancer, Metabolism, and Immunity. <i>Physiological Reviews</i> , 2018, 98, 1765-1803.	13.1	64
368	Human Plasmablast Migration Toward CXCL12 Requires Glucose Oxidation by Enhanced Pyruvate Dehydrogenase Activity via AKT. <i>Frontiers in Immunology</i> , 2018, 9, 1742.	2.2	7
369	The Role of Reactive Oxygen Species in Regulating T Cell-mediated Immunity and Disease. <i>Immune Network</i> , 2018, 18, e14.	1.6	139
370	The potential of metabolic profiling for vaccine development. <i>Seminars in Immunology</i> , 2018, 39, 44-51.	2.7	10
371	The impact of metabolic reprogramming on dendritic cell function. <i>International Immunopharmacology</i> , 2018, 63, 84-93.	1.7	14
372	Regulatory T Cell Metabolism in the Hepatic Microenvironment. <i>Frontiers in Immunology</i> , 2017, 8, 1889.	2.2	32
373	Immunometabolism and PI(3)K Signaling As a Link between IL-2, Foxp3 Expression, and Suppressor Function in Regulatory T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 69.	2.2	39
374	T-Cell Metabolism in Hematopoietic Cell Transplantation. <i>Frontiers in Immunology</i> , 2018, 9, 176.	2.2	29
375	Influence of Inflammation in the Process of T Lymphocyte Differentiation: Proliferative, Metabolic, and Oxidative Changes. <i>Frontiers in Immunology</i> , 2018, 9, 339.	2.2	133
376	IQ Domain-Containing GTPase-Activating Protein 1 Regulates Cytoskeletal Reorganization and Facilitates NKG2D-Mediated Mechanistic Target of Rapamycin Complex 1 Activation and Cytokine Gene Translation in Natural Killer Cells. <i>Frontiers in Immunology</i> , 2018, 9, 1168.	2.2	12
377	CD4+ T Cell Fate Decisions Are Stochastic, Precede Cell Division, Depend on GITR Co-Stimulation, and Are Associated With Uropodium Development. <i>Frontiers in Immunology</i> , 2018, 9, 1381.	2.2	10
378	Perspectives on Systems Modeling of Human Peripheral Blood Mononuclear Cells. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 96.	1.6	65
379	Pushing the Limits of Cancer Therapy: The Nutrient Game. <i>Frontiers in Oncology</i> , 2018, 8, 148.	1.3	40

#	ARTICLE	IF	CITATIONS
380	Metabolic signaling directs the reciprocal lineage decisions of $\hat{1}\hat{2}$ and $\hat{3}\hat{1}$ T cells. <i>Science Immunology</i> , 2018, 3, .	5.6	63
381	Role of Polyamines in Immune Cell Functions. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 22.	1.3	69
382	From autoinflammation to autoimmunity: old and recent findings. <i>Clinical Rheumatology</i> , 2018, 37, 2305-2321.	1.0	39
383	Hypoxia, Metabolism and Immune Cell Function. <i>Biomedicines</i> , 2018, 6, 56.	1.4	126
384	2B4 Mediates Inhibition of CD8+T Cell Responses via Attenuation of Glycolysis and Cell Division. <i>Journal of Immunology</i> , 2018, 201, 1536-1548.	0.4	6
385	Sirtuin1 Targeting Reverses Innate and Adaptive Immune Tolerance in Septic Mice. <i>Journal of Immunology Research</i> , 2018, 2018, 1-13.	0.9	16
386	The metabolic axis of macrophage and immune cell polarization. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	1.2	46
387	Mannose Metabolism Is Essential for Th1 Cell Differentiation and IFN- $\hat{3}$ Production. <i>Journal of Immunology</i> , 2018, 201, 1400-1411.	0.4	6
388	PKM2-dependent metabolic reprogramming in CD4+ T cells is crucial for hyperhomocysteinemia-accelerated atherosclerosis. <i>Journal of Molecular Medicine</i> , 2018, 96, 585-600.	1.7	56
389	Mitochondrial cyclophilin D regulates T cell metabolic responses and disease tolerance to tuberculosis. <i>Science Immunology</i> , 2018, 3, .	5.6	57
390	The tumor suppressor menin prevents effector CD8 T-cell dysfunction by targeting mTORC1-dependent metabolic activation. <i>Nature Communications</i> , 2018, 9, 3296.	5.8	46
391	Genealogy, Dendritic Cell Priming, and Differentiation of Tissue-Resident Memory CD8+ T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 1751.	2.2	25
392	Impaired cytolytic activity of asthma-associated natural killer cells is linked to dysregulated transcriptional program in energy metabolism. <i>Molecular Immunology</i> , 2018, 101, 514-520.	1.0	6
393	miR-143 Regulates Memory T Cell Differentiation by Reprogramming T Cell Metabolism. <i>Journal of Immunology</i> , 2018, 201, 2165-2175.	0.4	51
394	Targeting T Cell Metabolism for Improvement of Cancer Immunotherapy. <i>Frontiers in Oncology</i> , 2018, 8, 237.	1.3	123
395	Immunological Methods and the Concept of Inflammaging in the Study of Human Aging. , 2018, , 45-58.		0
396	TAPP Adaptors Control B Cell Metabolism by Modulating the Phosphatidylinositol 3-Kinase Signaling Pathway: A Novel Regulatory Circuit Preventing Autoimmunity. <i>Journal of Immunology</i> , 2018, 201, 406-416.	0.4	43
397	The Role of Metabolic Remodeling in Macrophage Polarization and Its Effect on Skeletal Muscle Regeneration. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1553-1598.	2.5	82

#	ARTICLE	IF	CITATIONS
398	The immune system as a sensorial system that can modulate brain functions and reset homeostasis. <i>Annals of the New York Academy of Sciences</i> , 2019, 1437, 5-14.	1.8	12
399	Microenvironmental control of glucose metabolism in tumors by regulation of pyruvate dehydrogenase. <i>International Journal of Cancer</i> , 2019, 144, 674-686.	2.3	49
400	mTOR and other effector kinase signals that impact T cell function and activity. <i>Immunological Reviews</i> , 2019, 291, 134-153.	2.8	53
401	Regulation of Glucose Metabolism by NAD <sup>+</sup> and ADP-Ribosylation. <i>Cells</i> , 2019, 8, 890.	1.8	53
402	NAD-Biosynthetic and Consuming Enzymes as Central Players of Metabolic Regulation of Innate and Adaptive Immune Responses in Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 1720.	2.2	52
403	Mitochondrial functionality and metabolism in T cells from progressive multiple sclerosis patients. <i>European Journal of Immunology</i> , 2019, 49, 2204-2221.	1.6	24
404	Functional reprogramming of regulatory T cells in the absence of Foxp3. <i>Nature Immunology</i> , 2019, 20, 1208-1219.	7.0	106
405	Thymic Microenvironment Is Modified by Malnutrition and <i>Leishmania infantum</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 252.	1.8	25
406	Single-Cell Signature Explorer for comprehensive visualization of single cell signatures across scRNA-seq datasets. <i>Nucleic Acids Research</i> , 2019, 47, e133-e133.	6.5	96
407	ILC3s integrate glycolysis and mitochondrial production of reactive oxygen species to fulfill activation demands. <i>Journal of Experimental Medicine</i> , 2019, 216, 2231-2241.	4.2	69
408	Microbiota-Derived Short-Chain Fatty Acids Promote the Memory Potential of Antigen-Activated CD8 <sup>+</sup> T Cells. <i>Immunity</i> , 2019, 51, 285-297.e5.	6.6	378
409	Immunosenescence and Its Hallmarks: How to Oppose Aging Strategically? A Review of Potential Options for Therapeutic Intervention. <i>Frontiers in Immunology</i> , 2019, 10, 2247.	2.2	463
410	The Rise of Physiologic Media. <i>Trends in Cell Biology</i> , 2019, 29, 854-861.	3.6	59
411	NK Cell Metabolism and Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2019, 10, 2278.	2.2	264
412	Targeting T Cell Metabolism in Inflammatory Skin Disease. <i>Frontiers in Immunology</i> , 2019, 10, 2285.	2.2	19
413	Metabolic Profiling Using Stable Isotope Tracing Reveals Distinct Patterns of Glucose Utilization by Physiologically Activated CD8 <sup>+</sup> T Cells. <i>Immunity</i> , 2019, 51, 856-870.e5.	6.6	250
414	Lactate dehydrogenase and glycerol-3-phosphate dehydrogenase cooperatively regulate growth and carbohydrate metabolism during <i>Drosophila melanogaster</i> larval development. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	28
415	Programmed cell death ligand-1-mediated enhancement of hexokinase 2 expression is inversely related to T-cell effector gene expression in non-small-cell lung cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 462.	3.5	41



#	ARTICLE	IF	CITATIONS
416	Glutamine blockade induces divergent metabolic programs to overcome tumor immune evasion. <i>Science</i> , 2019, 366, 1013-1021.	6.0	643
417	Factors Affecting the Tissue Damaging Consequences of Viral Infections. <i>Frontiers in Microbiology</i> , 2019, 10, 2314.	1.5	16
418	Relative abundance of <i>Megamonas hypermegale</i> and <i>Butyrivibrio</i> species decreased in the intestine and its possible association with the T cell aberration by metabolite alteration in patients with Behçet's disease (210 characters). <i>Clinical Rheumatology</i> , 2019, 38, 1437-1445.	1.0	52
419	Alleviation of exhaustion-induced immunosuppression and sepsis by immune checkpoint blockers sequentially administered with antibiotics—analysis of a new mathematical model. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 32.	0.9	8
420	Proteomics of Melanoma Response to Immunotherapy Reveals Mitochondrial Dependence. <i>Cell</i> , 2019, 179, 236-250.e18.	13.5	206
421	Immunometabolic Checkpoints of Treg Dynamics: Adaptation to Microenvironmental Opportunities and Challenges. <i>Frontiers in Immunology</i> , 2019, 10, 1889.	2.2	56
422	Autoimmune epithelitis (Sjögren's syndrome); the impact of metabolic status of glandular epithelial cells on auto-immunogenicity. <i>Journal of Autoimmunity</i> , 2019, 104, 102335.	3.0	28
423	mTORC1 as a cell-intrinsic rheostat that shapes development, preimmune repertoire, and function of B lymphocytes. <i>FASEB Journal</i> , 2019, 33, 13202-13215.	0.2	4
424	The Intestine of <i>Drosophila melanogaster</i> : An Emerging Versatile Model System to Study Intestinal Epithelial Homeostasis and Host-Microbial Interactions in Humans. <i>Microorganisms</i> , 2019, 7, 336.	1.6	58
425	Tumor-derived TGF- $\beta$ 2 inhibits mitochondrial respiration to suppress IFN- $\beta$ production by human CD4 <sup>+</sup> T cells. <i>Science Signaling</i> , 2019, 12, .	1.6	61
426	Multi-Omics Studies Demonstrate <i>Toxoplasma gondii</i> -Induced Metabolic Reprogramming of Murine Dendritic Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 309.	1.8	25
427	ADP-dependent glucokinase regulates energy metabolism via ER-localized glucose sensing. <i>Scientific Reports</i> , 2019, 9, 14248.	1.6	15
428	Immunometabolism: Insights from the <i>Drosophila</i> model. <i>Developmental and Comparative Immunology</i> , 2019, 94, 22-34.	1.0	35
429	Specific sequences of infectious challenge lead to secondary hemophagocytic lymphohistiocytosis-like disease in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2200-2209.	3.3	40
430	CD8 T Cell Exhaustion During Chronic Viral Infection and Cancer. <i>Annual Review of Immunology</i> , 2019, 37, 457-495.	9.5	1,143
431	Impaired enolase 1 glycolytic activity restrains effector functions of tumor-infiltrating CD8 <sup>+</sup> T cells. <i>Science Immunology</i> , 2019, 4, .	5.6	95
432	Autonomic and Redox Imbalance Correlates With T-Lymphocyte Inflammation in a Model of Chronic Social Defeat Stress. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 103.	1.0	25
433	Development of circulating CD4 <sup>+</sup> T cell memory. <i>Immunology and Cell Biology</i> , 2019, 97, 617-624.	1.0	12

#	ARTICLE	IF	CITATIONS
434	Metabolic adaptations of tissue-resident immune cells. <i>Nature Immunology</i> , 2019, 20, 793-801.	7.0	115
435	CD28 Autonomous Signaling Up-Regulates C-Myc Expression and Promotes Glycolysis Enabling Inflammatory T Cell Responses in Multiple Sclerosis. <i>Cells</i> , 2019, 8, 575.	1.8	30
436	The deubiquitinase Otub1 controls the activation of CD8+ T cells and NK cells by regulating IL-15-mediated priming. <i>Nature Immunology</i> , 2019, 20, 879-889.	7.0	68
437	In the Right Place, at the Right Time: Spatiotemporal Conditions Determining Plasma Cell Survival and Function. <i>Frontiers in Immunology</i> , 2019, 10, 788.	2.2	48
438	Imaging of Activated T Cells as an Early Predictor of Immune Response to Anti-PD-1 Therapy. <i>Cancer Research</i> , 2019, 79, 3455-3465.	0.4	60
439	Active Tonic mTORC1 Signals Shape Baseline Translation in Naive T Cells. <i>Cell Reports</i> , 2019, 27, 1858-1874.e6.	2.9	28
440	Glycolytic activation of peritumoral monocytes fosters immune privilege via the PFKFB3-PD-L1 axis in human hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2019, 71, 333-343.	1.8	106
441	Cancer immunotherapy: present scenarios and the future of immunotherapy. <i>Nucleus (India)</i> , 2019, 62, 143-154.	0.9	0
442	Targeting T Cell Activation and Lupus Autoimmune Phenotypes by Inhibiting Glucose Transporters. <i>Frontiers in Immunology</i> , 2019, 10, 833.	2.2	73
443	Acetate Promotes T Cell Effector Function during Glucose Restriction. <i>Cell Reports</i> , 2019, 27, 2063-2074.e5.	2.9	205
444	Pyruvate Dehydrogenase Kinase Is a Metabolic Checkpoint for Polarization of Macrophages to the M1 Phenotype. <i>Frontiers in Immunology</i> , 2019, 10, 944.	2.2	58
445	<i>Commentary:</i> Metabolism Impact on Immunotherapy. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2019, 38, 37-37.	0.8	0
446	A Metabolism Toolbox for CAR T Therapy. <i>Frontiers in Oncology</i> , 2019, 9, 322.	1.3	54
447	The Importance of Iron Status for Young Children in Low- and Middle-Income Countries: A Narrative Review. <i>Pharmaceuticals</i> , 2019, 12, 59.	1.7	36
448	Metabolism of Dietary and Microbial Vitamin B Family in the Regulation of Host Immunity. <i>Frontiers in Nutrition</i> , 2019, 6, 48.	1.6	332
449	IL-10 Family Cytokines IL-10 and IL-22: from Basic Science to Clinical Translation. <i>Immunity</i> , 2019, 50, 871-891.	6.6	603
450	Targeting immune cells for cancer therapy. <i>Redox Biology</i> , 2019, 25, 101174.	3.9	151
451	Enhanced metabolic activities for ATP production and elevated metabolic flux via pentose phosphate pathway contribute for better CIK cells expansion. <i>Cell Proliferation</i> , 2019, 52, e12594.	2.4	10

#	ARTICLE	IF	CITATIONS
452	Treg programming and therapeutic reprogramming in cancer. <i>Immunology</i> , 2019, 157, 198-209.	2.0	46
453	Exploring the Drug Repurposing Versatility of Valproic Acid as a Multifunctional Regulator of Innate and Adaptive Immune Cells. <i>Journal of Immunology Research</i> , 2019, 2019, 1-24.	0.9	48
454	Subcellular compartmentalization of NAD <sup>+</sup> and its role in cancer: A sereneNADE of metabolic melodies. , 2019, 200, 27-41.		53
455	Merger of dynamic two-photon and phosphorescence lifetime microscopy reveals dependence of lymphocyte motility on oxygen in solid and hematological tumors. , 2019, 7, 78.		42
456	Tumor Necrosis Factor (TNF) Receptor-Associated Periodic Syndrome (TRAPS). , 2019, , 329-345.		4
457	Immune cell metabolism in autoimmunity. <i>Clinical and Experimental Immunology</i> , 2019, 197, 181-192.	1.1	25
458	Mitochondrial superoxide disrupts the metabolic and epigenetic landscape of CD4 <sup>+</sup> and CD8 <sup>+</sup> T-lymphocytes. <i>Redox Biology</i> , 2019, 27, 101141.	3.9	23
459	Metabolomics Approach Based on Multivariate Techniques for Blood Transfusion Reactions. <i>Scientific Reports</i> , 2019, 9, 1740.	1.6	5
460	Calcium Signaling Controls Pathogenic Th17 Cell-Mediated Inflammation by Regulating Mitochondrial Function. <i>Cell Metabolism</i> , 2019, 29, 1104-1118.e6.	7.2	94
461	Acute and sub-acute toxicity of aqueous extract of aerial parts of <i>Caralluma dalzielii</i> N. E. Brown in mice and rats. <i>Heliyon</i> , 2019, 5, e01179.	1.4	69
462	TBKBP1 and TBK1 form a growth factor signalling axis mediating immunosuppression and tumourigenesis. <i>Nature Cell Biology</i> , 2019, 21, 1604-1614.	4.6	59
463	Tumor necrosis factor induces rapid down-regulation of TXNIP in human T cells. <i>Scientific Reports</i> , 2019, 9, 16725.	1.6	16
464	The immunoregulatory protein B7-H3 promotes aerobic glycolysis in oral squamous carcinoma via PI3K/Akt/mTOR pathway. <i>Journal of Cancer</i> , 2019, 10, 5770-5784.	1.2	45
465	LncRNAs: The Regulator of Glucose and Lipid Metabolism in Tumor Cells. <i>Frontiers in Oncology</i> , 2019, 9, 1099.	1.3	31
466	UV Lightâ€“inactivated HSV-1 Stimulates Natural Killer Cellâ€“induced Killing of Prostate Cancer Cells. <i>Journal of Immunotherapy</i> , 2019, 42, 162-174.	1.2	5
467	Mitochondrial fragmentation limits NK cell-based tumor immunosurveillance. <i>Nature Immunology</i> , 2019, 20, 1656-1667.	7.0	156
468	Î²-Adrenergic signaling blocks murine CD8 <sup>+</sup> T-cell metabolic reprogramming during activation: a mechanism for immunosuppression by adrenergic stress. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 11-22.	2.0	94
469	Late-Stage Tumor Regression after PD-L1 Blockade Plus a Concurrent OX40 Agonist. <i>Cancer Immunology Research</i> , 2019, 7, 269-281.	1.6	31

#	ARTICLE	IF	CITATIONS
470	Metabolism as a guiding force for immunity. <i>Nature Cell Biology</i> , 2019, 21, 85-93.	4.6	214
471	Cellular Metabolism Is a Major Determinant of HIV-1 Reservoir Seeding in CD4+ T Cells and Offers an Opportunity to Tackle Infection. <i>Cell Metabolism</i> , 2019, 29, 611-626.e5.	7.2	124
472	The clinical and mechanistic intersection of primary atopic disorders and inborn errors of growth and metabolism. <i>Immunological Reviews</i> , 2019, 287, 135-144.	2.8	12
473	An evolutionary perspective on immunometabolism. <i>Science</i> , 2019, 363, .	6.0	263
474	Discovery of Novel Pyruvate Dehydrogenase Kinase 4 Inhibitors for Potential Oral Treatment of Metabolic Diseases. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 575-588.	2.9	21
475	T-cells "à la CAR-T(e)" Genetically engineering T-cell response against cancer. <i>Advanced Drug Delivery Reviews</i> , 2019, 141, 23-40.	6.6	17
476	A Bioelectronic System to Measure the Glycolytic Metabolism of Activated CD4+ T Cells. <i>Biosensors</i> , 2019, 9, 10.	2.3	4
477	Immune regulation in the aging retina. <i>Progress in Retinal and Eye Research</i> , 2019, 69, 159-172.	7.3	154
478	Assessing the Impact of the Nutrient Microenvironment on the Metabolism of Effector CD8+ T Cells. <i>Methods in Molecular Biology</i> , 2019, 1862, 187-216.	0.4	4
479	Metabolic Checkpoints in Differentiation of Helper T Cells in Tissue Inflammation. <i>Frontiers in Immunology</i> , 2018, 9, 3036.	2.2	29
480	Education-dependent activation of glycolysis promotes the cytolytic potency of licensed human natural killer cells. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 346-358.e6.	1.5	59
481	Diversity and environmental adaptation of phagocytic cell metabolism. <i>Journal of Leukocyte Biology</i> , 2018, 105, 37-48.	1.5	42
482	Mitochondria and Critical Illness. <i>Chest</i> , 2020, 157, 310-322.	0.4	108
483	Metabolomic analysis reveals metabolic alterations of human peripheral blood lymphocytes by perfluorooctanoic acid. <i>Chemosphere</i> , 2020, 239, 124810.	4.2	31
484	Shikonin attenuates hyperhomocysteinemia-induced CD4+ T cell inflammatory activation and atherosclerosis in ApoE <sup>-/-</sup> mice by metabolic suppression. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 47-55.	2.8	27
485	Strategies to achieve immune tolerance in allogeneic solid organ transplantation. <i>Transplant Immunology</i> , 2020, 58, 101250.	0.6	4
486	Metabolomic profile overlap in prototypical autoimmune humoral disease: a comparison of myasthenia gravis and rheumatoid arthritis. <i>Metabolomics</i> , 2020, 16, 10.	1.4	25
487	Ginsenoside Rg1 and the control of inflammation implications for the therapy of type 2 diabetes: A review of scientific findings and call for further research. <i>Pharmacological Research</i> , 2020, 152, 104630.	3.1	49

#	ARTICLE	IF	CITATIONS
488	Increased oxidative phosphorylation in lymphocytes does not atone for decreased cell numbers after burn injury. <i>Innate Immunity</i> , 2020, 26, 403-412.	1.1	6
489	Immune-mediated anti-tumor effects of metformin; targeting metabolic reprogramming of T cells as a new possible mechanism for anti-cancer effects of metformin. <i>Biochemical Pharmacology</i> , 2020, 174, 113787.	2.0	35
490	Osteoarthritis-associated basic calcium phosphate crystals alter immune cell metabolism and promote M1 macrophage polarization. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 603-612.	0.6	53
491	Pyruvate dehydrogenase kinase is a negative regulator of interleukin-10 production in macrophages. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 543-555.	1.5	24
492	Generating stem-like memory T cells with antioxidants for adoptive cell transfer immunotherapy of cancer. <i>Methods in Enzymology</i> , 2020, 631, 137-158.	0.4	8
493	RNA-seq profiling, and impaired autophagic process in skeletal muscle of MELAS. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 91-97.	1.0	7
494	The Role of Metabolic Plasticity in Blood and Brain Stem Cell Pathophysiology. <i>Cancer Research</i> , 2020, 80, 5-16.	0.4	17
495	Stem, Effector, and Hybrid States of Memory CD8+ T Cells. <i>Trends in Immunology</i> , 2020, 41, 17-28.	2.9	65
496	Phosphoenolpyruvate from Glycolysis and PEPCK Regulate Cancer Cell Fate by Altering Cytosolic Ca <sup>2+</sup> . <i>Cells</i> , 2020, 9, 18.	1.8	23
497	Mitochondrial genetics cooperate with nuclear genetics to selectively alter immune cell development/trafficking. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165648.	1.8	9
498	Mitochondrial spare respiratory capacity: Mechanisms, regulation, and significance in non-transformed and cancer cells. <i>FASEB Journal</i> , 2020, 34, 13106-13124.	0.2	145
499	Herpes Simplex Virus 1 (HSV-1) O <sup>1</sup> NLS Live-Attenuated Vaccine Protects against Ocular HSV-1 Infection in the Absence of Neutralizing Antibody in HSV-1 gB T Cell Receptor-Specific Transgenic Mice. <i>Journal of Virology</i> , 2020, 94, .	1.5	9
500	Circulating Exosomes Control CD4+ T Cell Immunometabolic Functions via the Transfer of miR-142 as a Novel Mediator in Myocarditis. <i>Molecular Therapy</i> , 2020, 28, 2605-2620.	3.7	18
501	Neutral Sphingomyelinase-2 (NSM 2) Controls T Cell Metabolic Homeostasis and Reprogramming During Activation. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 217.	1.6	6
502	Manipulation of Mitochondrial Plasticity Changes the Metabolic Competition Between "Foe" and "Friend" During Tumor Malignant Transformation. <i>Frontiers in Oncology</i> , 2020, 10, 1692.	1.3	6
503	MiR-302 Regulates Glycolysis to Control Cell-Cycle during Neural Tube Closure. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7534.	1.8	17
504	Emerging Landscapes of Tumor Immunity and Metabolism. <i>Frontiers in Oncology</i> , 2020, 10, 575037.	1.3	8
505	Metformin enhances protection in guinea pigs chronically infected with <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , 2020, 10, 16257.	1.6	15

#	ARTICLE	IF	CITATIONS
506	Investigating Ketone Bodies as Immunometabolic Countermeasures against Respiratory Viral Infections. <i>Med</i> , 2020, 1, 43-65.	2.2	40
507	Sindbis Virus with Anti-OX40 Overcomes the Immunosuppressive Tumor Microenvironment of Low-Immunogenic Tumors. <i>Molecular Therapy - Oncolytics</i> , 2020, 17, 431-447.	2.0	13
508	Platelet factor 4 enhances CD4+ T effector memory cell responses via Akt $\epsilon$ PGC1 $\alpha$ $\epsilon$ TFAM signaling $\epsilon$ mediated mitochondrial biogenesis. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 2685-2700.	1.9	18
509	Can Energetic Capacity Help Explain Why Physical Activity Reduces Cancer Risk?. <i>Trends in Cancer</i> , 2020, 6, 829-837.	3.8	11
510	OTUB1 Recruits Tumor Infiltrating Lymphocytes and Is a Prognostic Marker in Digestive Cancers. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 212.	1.6	8
511	Divergent Impact of Glucose Availability on Human Virus-Specific and Generically Activated CD8 T Cells. <i>Metabolites</i> , 2020, 10, 461.	1.3	5
512	Sirt2 Inhibition Enhances Metabolic Fitness and Effector Functions of Tumor-Reactive T Cells. <i>Cell Metabolism</i> , 2020, 32, 420-436.e12.	7.2	72
513	CARD19, the protein formerly known as BinCARD, is a mitochondrial protein that does not regulate Bcl10-dependent NF- $\kappa$ B activation after TCR engagement. <i>Cellular Immunology</i> , 2020, 356, 104179.	1.4	5
514	Disentangling inflammatory from fibrotic disease activity by fibroblast activation protein imaging. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 1485-1491.	0.5	111
515	Acetyl-CoA Carboxylase Inhibition Improves Multiple Dimensions of NASH Pathogenesis in Model Systems. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 10, 829-851.	2.3	53
516	Proteomic Analysis of Human Immune Responses to Live-Attenuated Tularemia Vaccine. <i>Vaccines</i> , 2020, 8, 413.	2.1	5
517	Metabolic optimization of adoptive T cell transfer cancer immunotherapy: A historical overview. <i>Scandinavian Journal of Immunology</i> , 2020, 92, e12929.	1.3	4
518	Global Immunometabolic Profiling of AECOPD. <i>Small Methods</i> , 2020, 4, 2000483.	4.6	4
519	Calcium regulation of T cell metabolism. <i>Current Opinion in Physiology</i> , 2020, 17, 207-223.	0.9	29
520	Lysosomal Acid Lipase Is Required for Donor T Cells to Induce Graft-versus-Host Disease. <i>Cell Reports</i> , 2020, 33, 108316.	2.9	5
521	Rewiring Mitochondrial Metabolism for CD8+ T Cell Memory Formation and Effective Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2020, 11, 1834.	2.2	26
522	Analyzing One Cell at a TIME: Analysis of Myeloid Cell Contributions in the Tumor Immune Microenvironment. <i>Frontiers in Immunology</i> , 2020, 11, 1842.	2.2	28
523	Metabolic and epigenetic regulation of T-cell exhaustion. <i>Nature Metabolism</i> , 2020, 2, 1001-1012.	5.1	167

#	ARTICLE	IF	CITATIONS
524	Regulatory T Cell Stability and Migration Are Dependent on mTOR. <i>Journal of Immunology</i> , 2020, 205, 1799-1809.	0.4	11
525	T-cells produce acidic niches in lymph nodes to suppress their own effector functions. <i>Nature Communications</i> , 2020, 11, 4113.	5.8	77
526	T cell-specific deletion of Pgam1 reveals a critical role for glycolysis in T cell responses. <i>Communications Biology</i> , 2020, 3, 394.	2.0	23
527	The Lipid Paradox as a Metabolic Checkpoint and Its Therapeutic Significance in Ameliorating the Associated Cardiovascular Risks in Rheumatoid Arthritis Patients. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9505.	1.8	29
528	De novo synthesis and salvage pathway coordinately regulate polyamine homeostasis and determine T cell proliferation and function. <i>Science Advances</i> , 2020, 6, .	4.7	46
529	Linking Immuno-evasion and Metabolic Reprogramming in B-Cell-Derived Lymphomas. <i>Frontiers in Oncology</i> , 2020, 10, 594782.	1.3	13
530	Chimeric Antigen Receptor T Cell Exhaustion during Treatment for Hematological Malignancies. <i>BioMed Research International</i> , 2020, 2020, 1-9.	0.9	10
531	Metabolic Reprogramming Induces Germinal Center B Cell Differentiation through Bcl6 Locus Remodeling. <i>Cell Reports</i> , 2020, 33, 108333.	2.9	45
532	Mimicking tumor hypoxia and tumor-immune interactions employing three-dimensional in vitro models. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 75.	3.5	56
533	Mitochondrial AIF loss causes metabolic reprogramming, caspase-independent cell death blockade, embryonic lethality, and perinatal hydrocephalus. <i>Molecular Metabolism</i> , 2020, 40, 101027.	3.0	26
534	Warburg and Beyond: The Power of Mitochondrial Metabolism to Collaborate or Replace Fermentative Glycolysis in Cancer. <i>Cancers</i> , 2020, 12, 1119.	1.7	117
535	CAR-T Cells Hit the Tumor Microenvironment: Strategies to Overcome Tumor Escape. <i>Frontiers in Immunology</i> , 2020, 11, 1109.	2.2	165
536	Metabolic Reprogramming via Deletion of CISH in Human iPSC-Derived NK Cells Promotes In Vivo Persistence and Enhances Anti-tumor Activity. <i>Cell Stem Cell</i> , 2020, 27, 224-237.e6.	5.2	177
537	Targeting Metabolism to Improve the Tumor Microenvironment for Cancer Immunotherapy. <i>Molecular Cell</i> , 2020, 78, 1019-1033.	4.5	450
538	Met-Flow, a strategy for single-cell metabolic analysis highlights dynamic changes in immune subpopulations. <i>Communications Biology</i> , 2020, 3, 305.	2.0	82
539	To B, or not to B: Is calcium the answer?. <i>Cell Calcium</i> , 2020, 90, 102227.	1.1	4
540	Regulatory T Cells in Cancer. <i>Annual Review of Cancer Biology</i> , 2020, 4, 459-477.	2.3	84
541	Engineering T Cells to Treat Cancer: The Convergence of Immuno-Oncology and Synthetic Biology. <i>Annual Review of Cancer Biology</i> , 2020, 4, 121-139.	2.3	13

#	ARTICLE	IF	CITATIONS
542	Obesity and CD8 T cell metabolism: Implications for anti-tumor immunity and cancer immunotherapy outcomes. <i>Immunological Reviews</i> , 2020, 295, 203-219.	2.8	25
543	T Cell-Expressed microRNA-155 Reduces Lifespan in a Mouse Model of Age-Related Chronic Inflammation. <i>Journal of Immunology</i> , 2020, 204, 2064-2075.	0.4	18
544	Microglial metabolic flexibility supports immune surveillance of the brain parenchyma. <i>Nature Communications</i> , 2020, 11, 1559.	5.8	139
545	Metabolic determinants of lupus pathogenesis. <i>Immunological Reviews</i> , 2020, 295, 167-186.	2.8	30
546	T Cell Dysfunction and Exhaustion in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 17.	1.8	226
547	Intermediary metabolism: An intricate network at the crossroads of cell fate and function. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165887.	1.8	12
548	Effect of Increased Lactate Dehydrogenase A Activity and Aerobic Glycolysis on the Proinflammatory Profile of Autoimmune CD8+ T Cells in Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2020, 72, 2050-2064.	2.9	48
549	Intestinal Dysbiosis and Tryptophan Metabolism in Autoimmunity. <i>Frontiers in Immunology</i> , 2020, 11, 1741.	2.2	40
550	Dynamics in protein translation sustaining T cell preparedness. <i>Nature Immunology</i> , 2020, 21, 927-937.	7.0	120
551	Single-cell glycolytic activity regulates membrane tension and HIV-1 fusion. <i>PLoS Pathogens</i> , 2020, 16, e1008359.	2.1	28
552	YY1 control of mitochondrial-related genes does not account for regulation of immunoglobulin class switch recombination in mice. <i>European Journal of Immunology</i> , 2020, 50, 822-838.	1.6	7
553	Targeting NAD immunometabolism limits severe graft-versus-host disease and has potent antileukemic activity. <i>Leukemia</i> , 2020, 34, 1885-1897.	3.3	17
554	T cell metabolism: new insights in systemic lupus erythematosus pathogenesis and therapy. <i>Nature Reviews Rheumatology</i> , 2020, 16, 100-112.	3.5	174
555	Randomised Clinical Trial: Calorie Restriction Regimen with Tomato Juice Supplementation Ameliorates Oxidative Stress and Preserves a Proper Immune Surveillance Modulating Mitochondrial Bioenergetics of T-Lymphocytes in Obese Children Affected by Non-Alcoholic Fatty Liver Disease (NAFLD). <i>Journal of Clinical Medicine</i> , 2020, 9, 141.	1.0	18
556	T-Cell Receptor Signaling. <i>Methods in Molecular Biology</i> , 2020, , .	0.4	3
557	Cancer metabolism. , 2020, , 15-52.		1
558	Noninvasive rapid detection of metabolic adaptation in activated human T lymphocytes by hyperpolarized <sup>13</sup> C magnetic resonance. <i>Scientific Reports</i> , 2020, 10, 200.	1.6	15
559	Glutathione Restricts Serine Metabolism to Preserve Regulatory T Cell Function. <i>Cell Metabolism</i> , 2020, 31, 920-936.e7.	7.2	109



#	ARTICLE	IF	CITATIONS
560	Lipid-Droplet Formation Drives Pathogenic Group 2 Innate Lymphoid Cells in Airway Inflammation. <i>Immunity</i> , 2020, 52, 620-634.e6.	6.6	77
561	Glycolysis â€“ a key player in the inflammatory response. <i>FEBS Journal</i> , 2020, 287, 3350-3369.	2.2	250
562	TCR Dependent Metabolic Programming Regulates Autocrine IL-4 Production Resulting in Self-Tuning of the CD8+ T Cell Activation Setpoint. <i>Frontiers in Immunology</i> , 2020, 11, 540.	2.2	3
563	Metabolic Checkpoints in Rheumatoid Arthritis. <i>Frontiers in Physiology</i> , 2020, 11, 347.	1.3	41
564	Cigarette smoking induces human CCR6+Th17 lymphocytes senescence and VEGF-A secretion. <i>Scientific Reports</i> , 2020, 10, 6488.	1.6	17
565	Targeting Metabolism as a Platform for Inducing Allograft Tolerance in the Absence of Long-Term Immunosuppression. <i>Frontiers in Immunology</i> , 2020, 11, 572.	2.2	5
566	Immunometabolism in the pathogenesis of systemic lupus erythematosus. <i>Journal of Translational Autoimmunity</i> , 2020, 3, 100046.	2.0	24
567	<i>O</i> -GlcNAc transferase promotes influenza A virusâ€“induced cytokine storm by targeting interferon regulatory factorâ€“5. <i>Science Advances</i> , 2020, 6, eaaz7086.	4.7	93
568	Topical Application of the Antimicrobial Agent Triclosan Induces NLRP3 Inflammasome Activation and Mitochondrial Dysfunction. <i>Toxicological Sciences</i> , 2020, 176, 147-161.	1.4	18
569	Fueling influenza and the immune response: Implications for metabolic reprogramming during influenza infection and immunometabolism. <i>Immunological Reviews</i> , 2020, 295, 140-166.	2.8	14
570	BCR-Induced Ca <sup>2+</sup> Signals Dynamically Tune Survival, Metabolic Reprogramming, and Proliferation of Naive B Cells. <i>Cell Reports</i> , 2020, 31, 107474.	2.9	54
571	Tumor associated macrophages in the molecular pathogenesis of ovarian cancer. <i>International Immunopharmacology</i> , 2020, 84, 106471.	1.7	18
572	Discovery and Optimization of Glucose Uptake Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 5201-5211.	2.9	16
573	The Redox-Metabolic Couple of T Lymphocytes: Potential Consequences for Hypertension. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 915-935.	2.5	10
574	Metabolic crosstalk in the tumor microenvironment regulates antitumor immunosuppression and immunotherapy resistance. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 173-193.	2.4	72
575	A Mathematical Model of HIF-1 Regulated Cellular Energy Metabolism. <i>Vietnam Journal of Mathematics</i> , 2021, 49, 119-141.	0.4	3
576	Targeting immunometabolism in host defence against <i>Mycobacterium tuberculosis</i> . <i>Immunology</i> , 2021, 162, 145-159.	2.0	34
577	<sup>18</sup> F-AraG PET for CD8 Profiling of Tumors and Assessment of Immunomodulation by Chemotherapy. <i>Journal of Nuclear Medicine</i> , 2021, 62, 802-807.	2.8	15

#	ARTICLE	IF	CITATIONS
578	Metabolic regulation of the HBV-specific T cell function. <i>Antiviral Research</i> , 2021, 185, 104989.	1.9	9
579	Immunometabolism of regulatory T cells in cancer. <i>Molecular Aspects of Medicine</i> , 2021, 77, 100936.	2.7	9
580	FAM96A knock-out promotes alternative macrophage polarization and protects mice against sepsis. <i>Clinical and Experimental Immunology</i> , 2021, 203, 433-447.	1.1	11
581	MEK inhibition reprograms CD8+ T lymphocytes into memory stem cells with potent antitumor effects. <i>Nature Immunology</i> , 2021, 22, 53-66.	7.0	95
582	Hyperpolarized <sup>13</sup> C magnetic resonance imaging for noninvasive assessment of tissue inflammation. <i>NMR in Biomedicine</i> , 2021, 34, e4460.	1.6	6
583	Immunometabolic Interplay in the Tumor Microenvironment. <i>Cancer Cell</i> , 2021, 39, 28-37.	7.7	183
584	Emerging role of metabolic reprogramming in tumor immune evasion and immunotherapy. <i>Science China Life Sciences</i> , 2021, 64, 534-547.	2.3	47
585	AMBRA1 controls antigen-driven activation and proliferation of naive T cells. <i>International Immunology</i> , 2021, 33, 107-118.	1.8	3
586	Dysregulation of Metabolic Pathways in Circulating Natural Killer Cells Isolated from Inflammatory Bowel Disease Patients. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 1316-1325.	0.6	18
587	Mitochondrial dysfunction in sepsis. , 2021, , 179-202.		0
588	Lipid Metabolism in Tumor-Associated B Cells. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1316, 133-147.	0.8	3
589	Metabolomics, Lipidomics, and Immunometabolism. <i>Methods in Molecular Biology</i> , 2021, 2285, 319-328.	0.4	7
590	Systemic Inflammation Associated with Immune Reconstitution Inflammatory Syndrome in Persons Living with HIV. <i>Life</i> , 2021, 11, 65.	1.1	11
591	Neddylation and anti-tumor immunity. <i>Oncotarget</i> , 2021, 12, 2227-2230.	0.8	5
592	One-Carbon Metabolism and Development of the Conceptus During Pregnancy: Lessons from Studies with Sheep and Pigs. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1285, 1-15.	0.8	19
593	Glycolytic inhibitor induces metabolic crisis in solid cancer cells to enhance cold plasma-induced cell death. <i>Plasma Processes and Polymers</i> , 2021, 18, 2000187.	1.6	6
594	Glycolysis fuels phosphoinositide 3-kinase signaling to bolster T cell immunity. <i>Science</i> , 2021, 371, 405-410.	6.0	188
595	Glycolytic metabolism of pathogenic T cells enables early detection of GVHD by <sup>13</sup> C-MRI. <i>Blood</i> , 2021, 137, 126-137.	0.6	29

#	ARTICLE	IF	CITATIONS
596	The cancer metabolic reprogramming and immune response. <i>Molecular Cancer</i> , 2021, 20, 28.	7.9	387
597	CD73 Ectonucleotidase Restrains CD8+ T Cell Metabolic Fitness and Anti-tumoral Activity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 638037.	1.8	27
598	Immuno-metabolic interfaces in cardiac disease and failure. <i>Cardiovascular Research</i> , 2022, 118, 37-52.	1.8	6
599	Targeting Immune Cell Metabolism in the Treatment of Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 1684-1693.	0.9	14
600	Engineering Metabolism of Chimeric Antigen Receptor (CAR) Cells for Developing Efficient Immunotherapies. <i>Cancers</i> , 2021, 13, 1123.	1.7	11
601	Metabolic programs define dysfunctional immune responses in severe COVID-19 patients. <i>Cell Reports</i> , 2021, 34, 108863.	2.9	92
602	Blockade of 6-phosphogluconate dehydrogenase generates CD8+ effector T cells with enhanced anti-tumor function. <i>Cell Reports</i> , 2021, 34, 108831.	2.9	23
603	Age and <i>Staphylococcus aureus</i> Inoculation Route Differentially Alter Metabolic Potential and Immune Cell Populations in Laying Hens. <i>Frontiers in Veterinary Science</i> , 2021, 8, 653129.	0.9	6
604	PD-1 Involvement in Peripheral Blood CD8+ T Lymphocyte Dysfunction in Patients with Acute-on-chronic Liver Failure. <i>Journal of Clinical and Translational Hepatology</i> , 2021, 000, 000-000.	0.7	4
605	RNA Flow Cytometry for the Study of T Cell Metabolism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3906.	1.8	6
606	High-Protein, Low-Glycaemic Meal Replacement Decreases Fasting Insulin and Inflammation Markers—A 12-Month Subanalysis of the ACOORH Trial. <i>Nutrients</i> , 2021, 13, 1433.	1.7	9
607	Targeting regulatory T cells for immunotherapy in melanoma. <i>Molecular Biomedicine</i> , 2021, 2, 11.	1.7	22
608	Tumor resident regulatory T cells. <i>Seminars in Immunology</i> , 2021, 52, 101476.	2.7	18
609	The metabolism-modulating activity of IL-17 signaling in health and disease. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	34
610	Metabolic and functional impairment of CD8+ T cells from the lungs of influenza-infected obese mice. <i>Journal of Leukocyte Biology</i> , 2021, 111, 147-159.	1.5	9
611	Metabolic Shifts as the Hallmark of Most Common Diseases: The Quest for the Underlying Unity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3972.	1.8	8
613	Glycolytic Metabolism, Brain Resilience, and Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 662242.	1.4	47
614	Enhanced response to PD-L1 silencing by modulation of TME via balancing glucose metabolism and robust co-delivery of siRNA/Resveratrol with dual-responsive polyplexes. <i>Biomaterials</i> , 2021, 271, 120711.	5.7	48

#	ARTICLE	IF	CITATIONS
615	Tissue Nutrient Environments and Their Effect on Regulatory T Cell Biology. <i>Frontiers in Immunology</i> , 2021, 12, 637960.	2.2	10
616	Loss of LUC7L2 and U1 snRNP subunits shifts energy metabolism from glycolysis to OXPHOS. <i>Molecular Cell</i> , 2021, 81, 1905-1919.e12.	4.5	33
617	Mitochondrial ATP fuels ABC transporter-mediated drug efflux in cancer chemoresistance. <i>Nature Communications</i> , 2021, 12, 2804.	5.8	77
618	LBP Protects Hepatocyte Mitochondrial Function via the PPAR-CYP4a2 Signaling Pathway in a Rat Sepsis Model. <i>Shock</i> , 2021, Publish Ahead of Print, 1066-1079.	1.0	6
619	Metabolic Interplay between the Immune System and Melanoma Cells: Therapeutic Implications. <i>Biomedicines</i> , 2021, 9, 607.	1.4	12
620	CD8+ T cell metabolism in infection and cancer. <i>Nature Reviews Immunology</i> , 2021, 21, 718-738.	10.6	181
622	The Macrophage Response Is Driven by Mesenchymal Stem Cell-Mediated Metabolic Reprogramming. <i>Frontiers in Immunology</i> , 2021, 12, 624746.	2.2	25
623	Platelets enhance CD4+ central memory T cell responses via platelet factor 4-dependent mitochondrial biogenesis and cell proliferation. <i>Platelets</i> , 2021, , 1-11.	1.1	7
624	Calcium signals regulate the functional differentiation of thymic iNKT cells. <i>EMBO Journal</i> , 2021, 40, e107901.	3.5	3
625	Exploiting the obesity-associated immune microenvironment for cancer therapeutics. , 2022, 229, 107923.		10
626	The Impact of Exercise Serum on Selected Parameters of CD4+ T Cell Metabolism. <i>Immuno</i> , 2021, 1, 119-131.	0.6	2
627	Optical Control of CD8+ T Cell Metabolism and Effector Functions. <i>Frontiers in Immunology</i> , 2021, 12, 666231.	2.2	21
628	Uridine and pyruvate protect T cellsâ€™ proliferative capacity from mitochondrial toxic antibiotics: a clinical pilot study. <i>Scientific Reports</i> , 2021, 11, 12841.	1.6	8
629	Increased hexokinase-2 as a novel biomarker for the diagnosis and correlating with disease severity in rheumatoid arthritis. <i>Medicine (United States)</i> , 2021, 100, e26504.	0.4	6
630	Identification and Validation of Plasma Metabolomic Signatures in Precancerous Gastric Lesions That Progress to Cancer. <i>JAMA Network Open</i> , 2021, 4, e2114186.	2.8	38
631	Advancing to the era of cancer immunotherapy. <i>Cancer Communications</i> , 2021, 41, 803-829.	3.7	90
632	Differential blood transcriptome modules predict response to corticosteroid therapy in alcoholic hepatitis. <i>JHEP Reports</i> , 2021, 3, 100283.	2.6	7
633	Evolutionary Changes in Pathways and Networks of Genes Expressed in the Brains of Humans and Macaques. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 1825-1837.	1.1	1

#	ARTICLE	IF	CITATIONS
634	Glycolysis Inhibition Induces Functional and Metabolic Exhaustion of CD4+ T Cells in Type 1 Diabetes. <i>Frontiers in Immunology</i> , 2021, 12, 669456.	2.2	38
635	Lactate dehydrogenase A-dependent aerobic glycolysis promotes natural killer cell anti-viral and anti-tumor function. <i>Cell Reports</i> , 2021, 35, 109210.	2.9	50
636	The Enterovirus Theory of Disease Etiology in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: A Critical Review. <i>Frontiers in Medicine</i> , 2021, 8, 688486.	1.2	23
637	T-cell Exhaustion in Organ Transplantation. <i>Transplantation</i> , 2022, 106, 489-499.	0.5	14
639	Glucose limitation activates AMPK coupled SENP1-Sirt3 signalling in mitochondria for T cell memory development. <i>Nature Communications</i> , 2021, 12, 4371.	5.8	55
640	Mitochondrial-encoded MOTS-c prevents pancreatic islet destruction in autoimmune diabetes. <i>Cell Reports</i> , 2021, 36, 109447.	2.9	21
641	Altered Metabolic Phenotype of Immune Cells in a Spontaneous Autoimmune Uveitis Model. <i>Frontiers in Immunology</i> , 2021, 12, 601619.	2.2	2
642	PPAR $\alpha$ Agonist Fenofibrate Enhances Cancer Vaccine Efficacy. <i>Cancer Research</i> , 2021, 81, 4431-4440.	0.4	17
643	Perspectives on immunometabolism at the biomaterials interface. <i>Molecular Aspects of Medicine</i> , 2022, 83, 100992.	2.7	1
644	Instruction of Immunometabolism by Adipose Tissue: Implications for Cancer Progression. <i>Cancers</i> , 2021, 13, 3327.	1.7	4
645	Energetic dysfunction in sepsis: a narrative review. <i>Annals of Intensive Care</i> , 2021, 11, 104.	2.2	57
646	SCISSOR $\alpha$ : a single-cell inferred site-specific omics resource for tumor microenvironment association study. <i>NAR Cancer</i> , 2021, 3, zcab037.	1.6	1
647	Current Trends in Non-Invasive Imaging of Interactions in the Liver Tumor Microenvironment Mediated by Tumor Metabolism. <i>Cancers</i> , 2021, 13, 3645.	1.7	2
648	Label-free quantitative lymphocyte activation profiling using microfluidic impedance cytometry. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129864.	4.0	24
649	24-Norursodeoxycholic acid reshapes immunometabolism in CD8+ T cells and alleviates hepatic inflammation. <i>Journal of Hepatology</i> , 2021, 75, 1164-1176.	1.8	20
650	Pharmacological and ameliorative effects of <i>Withania somnifera</i> against cadmium chloride-induced oxidative stress and immune suppression in Nile tilapia, <i>Oreochromis niloticus</i> . <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	1
652	Interrogating in vivo T-cell metabolism in mice using stable isotope labeling metabolomics and rapid cell sorting. <i>Nature Protocols</i> , 2021, 16, 4494-4521.	5.5	20
653	Abnormal Mitochondrial Physiology in the Pathogenesis of Systemic Lupus Erythematosus. <i>Rheumatic Disease Clinics of North America</i> , 2021, 47, 427-439.	0.8	10

#	ARTICLE	IF	CITATIONS
654	Targeting pyruvate dehydrogenase kinase signaling in the development of effective cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188568.	3.3	75
655	The Potential of Tissue-Resident Memory T Cells for Adoptive Immunotherapy against Cancer. <i>Cells</i> , 2021, 10, 2234.	1.8	10
656	S1PR3â€™G12-biased agonist ALESIA targets cancer metabolism and promotes glucose starvation. <i>Cell Chemical Biology</i> , 2021, 28, 1132-1144.e9.	2.5	3
657	Distinct Bioenergetic Features of Human Invariant Natural Killer T Cells Enable Retained Functions in Nutrient-Deprived States. <i>Frontiers in Immunology</i> , 2021, 12, 700374.	2.2	3
658	Dickkopf-related protein 3 alters aerobic glycolysis in pancreatic cancer BxPC-3 cells, promoting CD4+ T-cell activation and function. <i>European Journal of Medical Research</i> , 2021, 26, 93.	0.9	5
659	MTH1 as a target to alleviate T cell driven diseases by selective suppression of activated T cells. <i>Cell Death and Differentiation</i> , 2021, , .	5.0	6
660	Spontaneously Resolving Joint Inflammation Is Characterised by Metabolic Agility of Fibroblast-Like Synoviocytes. <i>Frontiers in Immunology</i> , 2021, 12, 725641.	2.2	14
661	Immunometabolism in systemic lupus erythematosus: Relevant pathogenetic mechanisms and potential clinical applications. <i>Journal of the Formosan Medical Association</i> , 2021, 120, 1667-1675.	0.8	7
662	Parallel Murine and Human Aortic Wall Genomics Reveals Metabolic Reprogramming as Key Driver of Abdominal Aortic Aneurysm Progression. <i>Journal of the American Heart Association</i> , 2021, 10, e020231.	1.6	15
664	Modulating tumor-associated macrophages to enhance the efficacy of immune checkpoint inhibitors: A TAM-pting approach. , 2022, 231, 107986.		30
665	Unraveling the Multifaceted Nature of CD8 T Cell Exhaustion Provides the Molecular Basis for Therapeutic T Cell Reconstitution in Chronic Hepatitis B and C. <i>Cells</i> , 2021, 10, 2563.	1.8	12
666	Advances in Liver Transplantation: where are we in the pursuit of transplantation tolerance?. <i>European Journal of Immunology</i> , 2021, 51, 2373-2386.	1.6	6
667	Elevated glycolysis imparts functional ability to CD8<sup>+</sup> T cells in HIV infection. <i>Life Science Alliance</i> , 2021, 4, e202101081.	1.3	16
668	Metabolic Program of Regulatory B Lymphocytes and Influence in the Control of Malignant and Autoimmune Situations. <i>Frontiers in Immunology</i> , 2021, 12, 735463.	2.2	16
669	Radiation exposure and mitochondrial insufficiency in chronic fatigue and immune dysfunction syndrome. <i>Medical Hypotheses</i> , 2021, 154, 110647.	0.8	5
670	Metabolic Reprogramming of Immune Cells at the Maternal-Fetal Interface and the Development of Techniques for Immunometabolism. <i>Frontiers in Immunology</i> , 2021, 12, 717014.	2.2	12
671	Activin-A impedes the establishment of CD4+ T cell exhaustion and enhances anti-tumor immunity in the lung. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 295.	3.5	6
672	MAT2A-Mediated S-Adenosylmethionine Level in CD4+ T Cells Regulates HIV-1 Latent Infection. <i>Frontiers in Immunology</i> , 2021, 12, 745784.	2.2	3

#	ARTICLE	IF	CITATIONS
673	Remodeling of tumor immune microenvironment via epigenetic-based therapy using targeted liposomes with in situ formed albumin corona. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2057-2073.	5.7	24
674	Multipptide stimulated PBMCs generate TEM/TCM for adoptive cell therapy in multiple myeloma. <i>Oncotarget</i> , 2021, 12, 2051-2067.	0.8	0
675	SATB1-dependent mitochondrial ROS production controls TCR signaling in CD4 T cells. <i>Life Science Alliance</i> , 2021, 4, e202101093.	1.3	0
676	Atherosclerosis Impairs Naive CD4 T-Cell Responses via Disruption of Glycolysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2387-2398.	1.1	11
678	NF- $\kappa$ B-inducing kinase maintains T cell metabolic fitness in antitumor immunity. <i>Nature Immunology</i> , 2021, 22, 193-204.	7.0	52
679	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
680	Molecular Imaging of Diabetes. , 2021, , 1415-1431.		0
682	Hypoxia enhances ILC3 responses through HIF-1 $\alpha$ -dependent mechanism. <i>Mucosal Immunology</i> , 2021, 14, 828-841.	2.7	36
683	Lactate and Lactate Transporters as Key Players in the Maintenance of the Warburg Effect. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1219, 51-74.	0.8	37
685	Methionine Metabolism Shapes T Helper Cell Responses through Regulation of Epigenetic Reprogramming. <i>Cell Metabolism</i> , 2020, 31, 250-266.e9.	7.2	182
686	T cell metabolism in graft-versus-host disease. <i>Blood Science</i> , 2020, 2, 16-21.	0.4	5
687	Effects of Acute Subdural Hematoma-Induced Brain Injury On Energy Metabolism in Peripheral Blood Mononuclear Cells. <i>Shock</i> , 2021, 55, 407-417.	1.0	7
695	Immune system development varies according to age, location, and anemia in African children. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	54
696	Myalgic encephalomyelitis/chronic fatigue syndrome patients exhibit altered T cell metabolism and cytokine associations. <i>Journal of Clinical Investigation</i> , 2020, 130, 1491-1505.	3.9	82
697	Can the light of immunometabolism cut through "brain fog"? <i>Journal of Clinical Investigation</i> , 2020, 130, 1102-1105.	3.9	5
698	High salt reduces the activation of IL-4 $\alpha$ and IL-13 $\alpha$ stimulated macrophages. <i>Journal of Clinical Investigation</i> , 2015, 125, 4223-4238.	3.9	229
699	Metabolic reprogramming of alloantigen-activated T cells after hematopoietic cell transplantation. <i>Journal of Clinical Investigation</i> , 2016, 126, 1337-1352.	3.9	107
700	Metabolic substrate utilization in stress-induced immune cells. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 28.	0.9	21

#	ARTICLE	IF	CITATIONS
701	Different Blood Cell-Derived Transcriptome Signatures in Cows Exposed to Vaccination Pre- or Postpartum. PLoS ONE, 2015, 10, e0136927.	1.1	2
702	High Fat Diet Inhibits Dendritic Cell and T Cell Response to Allergens but Does Not Impair Inhalational Respiratory Tolerance. PLoS ONE, 2016, 11, e0160407.	1.1	22
703	Mitochondrial Superoxide Signaling Contributes to Norepinephrine-Mediated T-Lymphocyte Cytokine Profiles. PLoS ONE, 2016, 11, e0164609.	1.1	35
704	Phenotypic and Functional Alterations in Circulating Memory CD8 T Cells with Time after Primary Infection. PLoS Pathogens, 2015, 11, e1005219.	2.1	46
705	mTOR Signaling in Regulatory T Cell Differentiation and Expansion. SOJ Immunology, 2015, 3, .	0.2	6
706	Age-related changes in B cell metabolism. Aging, 2019, 11, 4367-4381.	1.4	27
707	Clinical characteristics of chronic liver disease with coronavirus disease 2019 (COVID-19): a cohort study in Wuhan, China. Aging, 2020, 12, 15938-15945.	1.4	14
708	Peripheral blood lymphocyte subset levels differ in patients with hepatocellular carcinoma. Oncotarget, 2016, 7, 77558-77564.	0.8	21
709	IL-21 modulates memory and exhaustion phenotype of T-cells in a fatty acid oxidation-dependent manner. Oncotarget, 2018, 9, 13125-13138.	0.8	58
710	Oncometabolic mutation IDH1 R132H confers a metformin-hypersensitive phenotype. Oncotarget, 2015, 6, 12279-12296.	0.8	53
711	Mitochondria, calcium, and tumor suppressor Fus1: At the crossroad of cancer, inflammation, and autoimmunity. Oncotarget, 2015, 6, 20754-20772.	0.8	34
712	The sweet trap in tumors: aerobic glycolysis and potential targets for therapy. Oncotarget, 2016, 7, 38908-38926.	0.8	90
713	T cells conditioned with MDSC show an increased anti-tumor activity after adoptive T cell based immunotherapy. Oncotarget, 2016, 7, 17565-17578.	0.8	13
714	Complement and T Cell Metabolism: Food for Thought. Immunometabolism, 2019, 1, e190006.	0.7	14
715	Imaging the Cancer Immune Environment and Its Response to Pharmacologic Intervention, Part 1: The Role of <sup>18</sup> F-FDG PET/CT. Journal of Nuclear Medicine, 2020, 61, 943-950.	2.8	39
716	Background Levels of Neomorphic 2-hydroxyglutarate Facilitate Proliferation of Primary Fibroblasts. Physiological Research, 2017, 66, 293-304.	0.4	11
717	Running to Stand Still: Naive CD8+ T Cells Actively Maintain a Program of Quiescence. International Journal of Molecular Sciences, 2020, 21, 9773.	1.8	10
718	Natural products that target macrophages in treating non-alcoholic steatohepatitis. World Journal of Gastroenterology, 2020, 26, 2155-2165.	1.4	6



#	ARTICLE	IF	CITATIONS
719	Implication of bidirectional promoters containing duplicated GGAA motifs of mitochondrial function-associated genes. <i>AIMS Molecular Science</i> , 2013, 1, 1-26.	0.3	10
720	Zbtb20 Restrains CD8 T Cell Immunometabolism and Restricts Memory Differentiation and Antitumor Immunity. <i>Journal of Immunology</i> , 2020, 205, 2649-2666.	0.4	13
721	Metabolic Reprogramming by the Excessive AMPK Activation Exacerbates Antigen-Specific Memory CD8 <sup>+</sup> T Cell Differentiation after Acute Lymphocytic Choriomeningitis Virus Infection. <i>Immune Network</i> , 2019, 19, e11.	1.6	7
722	The autophagy gene Atg16l1 differentially regulates Treg and TH2 cells to control intestinal inflammation. <i>ELife</i> , 2016, 5, e12444.	2.8	153
723	Glutathione de novo synthesis but not recycling process coordinates with glutamine catabolism to control redox homeostasis and directs murine T cell differentiation. <i>ELife</i> , 2018, 7, .	2.8	116
724	A 14 immune-related gene signature predicts clinical outcomes of kidney renal clear cell carcinoma. <i>PeerJ</i> , 2020, 8, e10183.	0.9	9
725	Nutrition and Cancer. <i>UNIPA Springer Series</i> , 2021, , 381-389.	0.1	0
726	Mitochondrial translation is required for sustained killing by cytotoxic T cells. <i>Science</i> , 2021, 374, eabe9977.	6.0	55
727	Mitochondrial phenotypes in purified human immune cell subtypes and cell mixtures. <i>ELife</i> , 2021, 10, .	2.8	50
728	Gene Doping with Peroxisome-Proliferator-Activated Receptor Beta/Delta Agonists Alters Immunity but Exercise Training Mitigates the Detection of Effects in Blood Samples. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11497.	1.8	1
729	Metabolomics Analysis of the Effect of GAT-2 Deficiency on Th1 Cells in Mice. <i>Journal of Proteome Research</i> , 2021, 20, 5054-5063.	1.8	2
730	Improving CAR T-Cell Persistence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10828.	1.8	44
731	Dichotomous metabolic networks govern human ILC2 proliferation and function. <i>Nature Immunology</i> , 2021, 22, 1367-1374.	7.0	34
732	Microglial activation states drive glucose uptake and FDG-PET alterations in neurodegenerative diseases. <i>Science Translational Medicine</i> , 2021, 13, eabe5640.	5.8	108
733	Physiological Functions of CRAC Channels. <i>Annual Review of Physiology</i> , 2022, 84, 355-379.	5.6	53
734	Harnessing Stem Cell-Like Memory T Cells for Adoptive Cell Transfer Therapy of Cancer. <i>Cancer Drug Discovery and Development</i> , 2015, , 183-209.	0.2	4
737	Immune Activation and HIV Transmission. , 2018, , 1056-1066.		0
738	Immunometabolism of Dendritic Cells and T Cells. , 2018, , 837-844.		0



#	ARTICLE	IF	CITATIONS
765	The Serine Protease CD26/DPP4 in Non-Transformed and Malignant T Cells. <i>Cancers</i> , 2021, 13, 5947.	1.7	8
766	The Triangle Relationship Between Long Noncoding RNA, RIG-I-like Receptor Signaling Pathway, and Glycolysis. <i>Frontiers in Microbiology</i> , 2021, 12, 807737.	1.5	10
767	Fatty acid metabolism in adaptive immunity. <i>FEBS Journal</i> , 2023, 290, 584-599.	2.2	13
768	Altered immune response in organic acidemia. <i>Pediatrics International</i> , 2022, 64, .	0.2	5
769	Citrulline depletion by ASS1 is required for proinflammatory macrophage activation and immune responses. <i>Molecular Cell</i> , 2022, 82, 527-541.e7.	4.5	31
770	Enhanced Proinflammatory Cytokine Production and Immunometabolic Impairment of NK Cells Exposed to <i>Mycobacterium tuberculosis</i> and Cigarette Smoke. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 799276.	1.8	3
771	Altered Germinal-Center Metabolism in B Cells in Autoimmunity. <i>Metabolites</i> , 2022, 12, 40.	1.3	5
772	Lipogenesis inhibitors: therapeutic opportunities and challenges. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 283-305.	21.5	124
774	Role of Lactate in Inflammatory Processes: Friend or Foe. <i>Frontiers in Immunology</i> , 2021, 12, 808799.	2.2	61
775	Glucocorticoid imprints a low glucose metabolism onto CD8 T cells and induces the persistent suppression of the immune response. <i>Biochemical and Biophysical Research Communications</i> , 2022, 588, 34-40.	1.0	9
776	Imaging the Rewired Metabolism in Lung Cancer in Relation to Immune Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 786089.	1.3	2
777	HIV-Sheltering Platelets From Immunological Non-Responders Induce a Dysfunctional Glycolytic CD4+ T-Cell Profile. <i>Frontiers in Immunology</i> , 2021, 12, 781923.	2.2	1
778	Metabolic modulation of immune checkpoints and novel therapeutic strategies in cancer. <i>Seminars in Cancer Biology</i> , 2022, 86, 542-565.	4.3	51
779	Metformin attenuated sepsis-associated liver injury and inflammatory response in aged mice. <i>Bioengineered</i> , 2022, 13, 4598-4609.	1.4	10
780	Metabolic Biomarkers in B-Cell Lymphomas for Early Diagnosis and Prediction, as Well as Their Influence on Prognosis and Treatment. <i>Diagnostics</i> , 2022, 12, 394.	1.3	4
781	The Energy Sensor AMPK $\pm$ 1 Is Critical in Rapamycin-Inhibition of mTORC1-S6K-Induced T-cell Memory. <i>International Journal of Molecular Sciences</i> , 2022, 23, 37.	1.8	7
782	Coenzyme A fuels T $\hat{A}$ cell anti-tumor immunity. <i>Cell Metabolism</i> , 2021, 33, 2415-2427.e6.	7.2	31
783	Metabolism in tumor-associated macrophages. <i>International Review of Cell and Molecular Biology</i> , 2022, 367, 65-100.	1.6	10

#	ARTICLE	IF	CITATIONS
784	Immunologic Memory in Pregnancy: Focusing on Memory Regulatory T Cells. <i>International Journal of Biological Sciences</i> , 2022, 18, 2406-2418.	2.6	2
786	Targeting Glycolysis in Alloreactive T Cells to Prevent Acute Graft-Versus-Host Disease While Preserving Graft-Versus-Leukemia Effect. <i>Frontiers in Immunology</i> , 2022, 13, 751296.	2.2	6
787	Regulation of tissue-resident memory T cells by the Microbiota. <i>Mucosal Immunology</i> , 2022, 15, 408-417.	2.7	16
788	Rational design of hydrogels for immunomodulation. <i>International Journal of Energy Production and Management</i> , 2022, 9, .	1.9	29
789	Tcf1 preprograms the mobilization of glycolysis in central memory CD8+ T cells during recall responses. <i>Nature Immunology</i> , 2022, 23, 386-398.	7.0	26
790	IL-6-induced FOXO1 activity determines the dynamics of metabolism in CD8 T cells cross-primed by liver sinusoidal endothelial cells. <i>Cell Reports</i> , 2022, 38, 110389.	2.9	10
791	New Immunometabolic Strategy Based on Cell Type-Specific Metabolic Reprogramming in the Tumor Immune Microenvironment. <i>Cells</i> , 2022, 11, 768.	1.8	14
792	Zinc Levels Affect the Metabolic Switch of T Cells by Modulating Glucose Uptake and Insulin Receptor Signaling. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100944.	1.5	4
795	Epstein-Barr virus latency programs dynamically sensitize B cells to ferroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118300119.	3.3	19
796	Insulin and cancer: a tangled web. <i>Biochemical Journal</i> , 2022, 479, 583-607.	1.7	22
797	Creatine transport and creatine kinase activity is required for CD8+ T cell immunity. <i>Cell Reports</i> , 2022, 38, 110446.	2.9	11
798	Sirtuins are crucial regulators of T cell metabolism and functions. <i>Experimental and Molecular Medicine</i> , 2022, 54, 207-215.	3.2	23
799	T cell metabolism and possible therapeutic targets in systemic lupus erythematosus: a narrative review. <i>Immunopharmacology and Immunotoxicology</i> , 2022, , 1-14.	1.1	3
800	Circulating Immune Bioenergetic, Metabolic, and Genetic Signatures Predict Melanoma Patients' Response to Anti-PD-1 Immune Checkpoint Blockade. <i>Clinical Cancer Research</i> , 2022, 28, 1192-1202.	3.2	24
801	Therapeutic nexus of T cell immunometabolism in improving transplantation immunotherapy. <i>International Immunopharmacology</i> , 2022, 106, 108621.	1.7	3
802	Maternal Inflammation During Pregnancy and Offspring Brain Development: The Role of Mitochondria. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 498-509.	1.1	10
804	The Pyruvate Dehydrogenase Complex in Sepsis: Metabolic Regulation and Targeted Therapy. <i>Frontiers in Nutrition</i> , 2021, 8, 783164.	1.6	22
805	The role of lipid metabolism in shaping the expansion and the function of regulatory T cells. <i>Clinical and Experimental Immunology</i> , 2022, 208, 181-192.	1.1	8

#	ARTICLE	IF	CITATIONS
806	IL-6 and TNF $\alpha$ Drive Extensive Proliferation of Human Tregs Without Compromising Their Lineage Stability or Function. <i>Frontiers in Immunology</i> , 2021, 12, 783282.	2.2	25
807	Immunological Changes in Pregnancy and Prospects of Therapeutic Pla-Xosomes in Adverse Pregnancy Outcomes. <i>Frontiers in Pharmacology</i> , 2022, 13, 895254.	1.6	1
808	Glucocorticoid receptor modulates myeloid-derived suppressor cell function via mitochondrial metabolism in immune thrombocytopenia. , 2022, 19, 764-776.		10
809	Impacts and mechanisms of metabolic reprogramming of tumor microenvironment for immunotherapy in gastric cancer. <i>Cell Death and Disease</i> , 2022, 13, 378.	2.7	37
835	The ER-Mitochondria Interface as a Dynamic Hub for T Cell Efficacy in Solid Tumors. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 867341.	1.8	4
836	Transcriptomic Profiles of Splenic CD19+ B Cells in Mice Chronically Infected With the Larval <i>Echinococcus granulosus</i> . <i>Frontiers in Veterinary Science</i> , 2022, 9, 848458.	0.9	1
837	Immune Cell Metabolic Fitness for Life. <i>Antibodies</i> , 2022, 11, 32.	1.2	0
838	Change in Hematology Prepartum and Postpartum of Garut Ewe fed with Flushing Diet Contain Lemuru Oil. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1020, 012005.	0.2	1
839	Alcohol Impairs Immunometabolism and Promotes Naïve T Cell Differentiation to Pro-Inflammatory Th1 CD4+ T Cells. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	13
840	Glutaminase inhibition impairs CD8 T cell activation in STK11-/Lkb1-deficient lung cancer. <i>Cell Metabolism</i> , 2022, 34, 874-887.e6.	7.2	55
841	A data-independent acquisition (DIA)-based quantification workflow for proteome analysis of 5000 cells. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 216, 114795.	1.4	6
842	Cancer evolution: special focus on the immune aspect of cancer. <i>Seminars in Cancer Biology</i> , 2022, , .	4.3	4
843	Prevention of acute graft-vs.-host disease by targeting glycolysis and mTOR pathways in activated T cells. <i>Experimental and Therapeutic Medicine</i> , 2022, 24, .	0.8	2
844	P2RX7 Enhances Tumor Control by CD8+ T Cells in Adoptive Cell Therapy. <i>Cancer Immunology Research</i> , 2022, 10, 871-884.	1.6	12
845	Differential metabolic requirement governed by transcription factor c-Maf dictates innate $\gamma$ T17 effector functionality in mice and humans. <i>Science Advances</i> , 2022, 8, .	4.7	7
847	Identification of metabolism-related long non-coding RNA (lncRNA) signature predicts prognosis and immune infiltrates in hepatocellular carcinoma. <i>Annals of Translational Medicine</i> , 2022, 10, 595-595.	0.7	1
848	Enhanced T Cell Glucose Uptake Is Associated With Progression of Beta-Cell Function in Type 1 Diabetes. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
849	Deep Sequencing of Plasma Exosomal microRNA Level in Psoriasis Vulgaris Patients. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	3

#	ARTICLE	IF	CITATIONS
850	Mitochondria and their potential role in acute lung injury (Review). <i>Experimental and Therapeutic Medicine</i> , 2022, 24, .	0.8	5
851	Modulation of the Response to <i>Mycobacterium leprae</i> and Pathogenesis of Leprosy. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	5
853	Protective efficacy of melatonin and insulin against LPS caused toxicity in diabetic mice. <i>Immunopharmacology and Immunotoxicology</i> , 2022, 44, 902-914.	1.1	0
854	Phenotypic and Immunometabolic Aspects on Stem Cell Memory and Resident Memory CD8+ T Cells. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
855	Targeting the DNA repair enzymes MTH1 and OGG1 as a novel approach to treat inflammatory diseases. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2022, 131, 95-103.	1.2	9
856	Effects of ginger extract and its major component 6-gingerol on anti-tumor property through mitochondrial biogenesis in CD8 <sup>+</sup> T cells. <i>Journal of Food Science</i> , 2022, 87, 3307-3317.	1.5	8
857	Multidrug Resistance in Cancer: Understanding Molecular Mechanisms, Immunoprevention and Therapeutic Approaches. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	108
858	The emerging role of microbiota-derived short-chain fatty acids in immunometabolism. <i>International Immunopharmacology</i> , 2022, 110, 108983.	1.7	19
859	Biology of macrophage fate decision: Implication in inflammatory disorders. <i>Cell Biology International</i> , 2022, 46, 1539-1556.	1.4	7
860	Glycolysis in Innate Immune Cells Contributes to Autoimmunity. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
862	lncRNA HITT Inhibits Lactate Production by Repressing PKM2 Oligomerization to Reduce Tumor Growth and Macrophage Polarization. <i>Research</i> , 2022, 2022, .	2.8	10
863	Reprogramming of glutamine metabolism and its impact on immune response in the tumor microenvironment. <i>Cell Communication and Signaling</i> , 2022, 20, .	2.7	55
864	Prognosis Analysis and Validation of Fatty Acid Metabolism-Related lncRNAs and Tumor Immune Microenvironment in Cervical Cancer. <i>Journal of Immunology Research</i> , 2022, 2022, 1-11.	0.9	7
865	Impaired ketogenesis ties metabolism to T cell dysfunction in COVID-19. <i>Nature</i> , 2022, 609, 801-807.	13.7	65
866	Connections between metabolism and epigenetics: mechanisms and novel anti-cancer strategy. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	12
867	Stem-like T cells and niches: Implications in human health and disease. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
868	Metabolic reprogramming and crosstalk of cancer-related fibroblasts and immune cells in the tumor microenvironment. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	27
869	Dendritic cell Piezo1 directs the differentiation of TH1 and Treg cells in cancer. <i>ELife</i> , 0, 11, .	2.8	16

#	ARTICLE	IF	CITATIONS
870	Vitamin combination promotes ex vivo expansion of NK-92 cells by reprogramming glucose metabolism. <i>Bioresources and Bioprocessing</i> , 2022, 9, .	2.0	0
871	Glycolysis, monocarboxylate transport, and purinergic signaling are key events in <i>Eimeria bovis</i> -induced NETosis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
872	Cellular Bioenergetics: Experimental Evidence for Alcohol-induced Adaptations. <i>Function</i> , 2022, 3, .	1.1	5
873	Purinergic receptors are a key bottleneck in tumor metabolic reprogramming: The prime suspect in cancer therapeutic resistance. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	9
875	Bile acid restrained T cell activation explains cholestasis aggravated hepatitis B virus infection. <i>FASEB Journal</i> , 2022, 36, .	0.2	11
876	Azithromycin promotes relapse by disrupting immune and metabolic networks after allogeneic stem cell transplantation. <i>Blood</i> , 2022, 140, 2500-2513.	0.6	7
878	How Can We Improve the Vaccination Response in Older People? Part II: Targeting Immunosenescence of Adaptive Immunity Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9797.	1.8	5
879	Tumor acidity: From hallmark of cancer to target of treatment. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	35
880	Modeling the effect of environmental cytokines, nutrient conditions and hypoxia on CD4+ T cell differentiation. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
881	Glycolysis in tumor microenvironment as a target to improve cancer immunotherapy. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	17
882	Bcl-3 regulates the function of Th17 cells through raptor mediated glycolysis metabolism. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
883	Exhaust the exhausters: Targeting regulatory T cells in the tumor microenvironment. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	17
884	Regulation of autoimmune disease progression by Pik3ip1 through metabolic reprogramming in T cells and therapeutic implications. <i>Science Advances</i> , 2022, 8, .	4.7	3
885	Mitochondrial regulation of acute extrafollicular B cell responses to COVID-19 severity. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	3
886	Enforcing GLUT3 expression in CD8+ T cells improves fitness and tumor control by promoting glucose uptake and energy storage. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
887	Impaired mitochondria of Tregs decreases OXPHOS-derived ATP in primary immune thrombocytopenia with positive plasma pathogens detected by metagenomic sequencing. <i>Experimental Hematology and Oncology</i> , 2022, 11, .	2.0	4
889	Colorectal cancer: Metabolic interactions reshape the tumor microenvironment. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2022, 1877, 188797.	3.3	24
890	Recent advances in bacterial therapeutics based on sense and response. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 1014-1027.	5.7	4

#	ARTICLE	IF	CITATIONS
891	An intercellular transfer of telomeres rescues T cells from senescence and promotes long-term immunological memory. <i>Nature Cell Biology</i> , 2022, 24, 1461-1474.	4.6	50
892	Pyruvate Dehydrogenase Kinase 2 Accelerates Endotoxin Shock by Promoting Mitogen-Activated Protein Kinase Activation. <i>Inflammation</i> , 2023, 46, 418-431.	1.7	4
893	ANGPTL3 deficiency associates with the expansion of regulatory T cells with reduced lipid content. <i>Atherosclerosis</i> , 2022, 362, 38-46.	0.4	2
894	From structure to function – Ligand recognition by myeloid C-type lectin receptors. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 5790-5812.	1.9	13
895	The role of AMP-activated protein kinase in GVHD-causing T cells. <i>Immunometabolism</i> , 2022, 4, e00009.	0.7	0
896	Metabolic features of innate lymphoid cells. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	2
897	Characteristics of tumor microenvironment and novel immunotherapeutic strategies for non-small cell lung cancer. <i>Journal of the National Cancer Center</i> , 2022, 2, 243-262.	3.0	5
898	Negative regulator NLRC3: Its potential role and regulatory mechanism in immune response and immune-related diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
899	Interaction between gut microbiota and immune checkpoint inhibitor-related colitis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
900	Metabolic Pathways, Enzymes, and Metabolites: Opportunities in Cancer Therapy. <i>Cancers</i> , 2022, 14, 5268.	1.7	7
901	Inhibition of Pyruvate Dehydrogenase Kinase 4 in CD4+ T Cells Ameliorates Intestinal Inflammation. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2023, 15, 439-461.	2.3	8
902	Metabolic signatures of immune cells in chronic kidney disease. <i>Expert Reviews in Molecular Medicine</i> , 2022, 24, .	1.6	6
903	Energy Status of Lymphocytes in Children with Bronchial Asthma of Various Severity in Comparison with Frequently Ill and Healthy Children. <i>Bulletin of Experimental Biology and Medicine</i> , 2022, 173, 723-729.	0.3	2
904	The energetic cost of allostasis and allostatic load. <i>Psychoneuroendocrinology</i> , 2022, 146, 105951.	1.3	31
905	CD8+ T cell metabolic rewiring defined by scRNA-seq identifies a critical role of ASNS expression dynamics in T cell differentiation. <i>Cell Reports</i> , 2022, 41, 111639.	2.9	12
906	CNS and CNS diseases in relation to their immune system. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
907	Immune Checkpoint Molecules and Glucose Metabolism in HIV-Induced T Cell Exhaustion. <i>Biomedicines</i> , 2022, 10, 2809.	1.4	8
909	Mitochondrial function and immune response-regulating factor-encoding gene promoters. , 2023, , 15-31.		0



#	ARTICLE	IF	CITATIONS
910	DNA repair factor-encoding gene promoters. , 2023, , 33-51.		0
911	Overcoming current challenges to T-cell receptor therapy via metabolic targeting to increase antitumor efficacy, durability, and tolerability. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
913	Metabolic targeting, immunotherapy and radiation in locally advanced non-small cell lung cancer: Where do we go from here?. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	0
914	Manipulating T-cell metabolism to enhance immunotherapy in solid tumor. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8
915	S100a9 Protects Against the Effects of Repeated Social Defeat Stress. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 919-929.	1.0	2
916	Lipid metabolism in tumor-infiltrating T cells: mechanisms and applications. , 2022, 1, 211-223.		4
918	Identification of Lignan Compounds as New 6-Phosphogluconate Dehydrogenase Inhibitors for Lung Cancer. <i>Metabolites</i> , 2023, 13, 34.	1.3	2
919	T Cell Energy Metabolism Is a Target of Glucocorticoids in Mice, Healthy Humans, and MS Patients. <i>Cells</i> , 2023, 12, 450.	1.8	2
920	The emerging role of the branched chain aminotransferases, BCATc and BCATm, for anti-tumor T-cell immunity. <i>Immunometabolism</i> , 2023, 5, e00014.	0.7	4
921	Deletion of Glycogen Synthase Kinase 3 Beta Reprograms NK Cell Metabolism. <i>Cancers</i> , 2023, 15, 705.	1.7	1
922	Metabolism along the life journey of T cells. , 2023, 2, .		4
923	Metabolic Challenges in Anticancer CD8 T Cell Functions. <i>Immune Network</i> , 2023, 23, .	1.6	3
924	Nutritional Approaches of the Changing Consumer after the Pandemic: Sustainable Potential of Phytoene and Phytofluene for Photoprotection and Skin Health. <i>Sustainability</i> , 2023, 15, 4416.	1.6	2
925	IL18 Receptor Signaling Regulates Tumor-Reactive CD8+ T-cell Exhaustion via Activation of the IL2/STAT5/mTOR Pathway in a Pancreatic Cancer Model. <i>Cancer Immunology Research</i> , 2023, 11, 421-434.	1.6	14
926	Pyruvate dehydrogenase fuels a critical citrate pool that is essential for Th17 cell effector functions. <i>Cell Reports</i> , 2023, 42, 112153.	2.9	7
927	Single-cell RNA sequencing reveals XBP1-SLC38A2 axis as a metabolic regulator in cytotoxic T lymphocytes in multiple myeloma. <i>Cancer Letters</i> , 2023, 562, 216171.	3.2	2
928	“To be or not to Be” Regulatory T cells in melanoma. <i>International Immunopharmacology</i> , 2023, 118, 110093.	1.7	3
929	ERK Inhibition Promotes Engraftment of Allografts by Reprogramming T Cell Metabolism. <i>Advanced Science</i> , 2023, 10, .	5.6	6

#	ARTICLE	IF	CITATIONS
930	CAR-T cells targeting IL-1RAP produced in a closed semiautomatic system are ready for the first phase I clinical investigation in humans. <i>Current Research in Translational Medicine</i> , 2023, 71, 103385.	1.2	6
931	High glucose promotes regulatory T cell differentiation. <i>PLoS ONE</i> , 2023, 18, e0280916.	1.1	3
932	Delivery Systems for Mitochondrial Gene Therapy: A Review. <i>Pharmaceutics</i> , 2023, 15, 572.	2.0	5
933	A novel, accurate, and non-invasive liquid biopsy test to measure cellular immune responses as a tool to diagnose early-stage lung cancer: a clinical trials study. <i>Respiratory Research</i> , 2023, 24, .	1.4	3
934	Transcriptomic and Metabolomic Studies Reveal That Toll-like Receptor 2 Has a Role in Glucose-Related Metabolism in Unchallenged Zebrafish Larvae ( <i>Danio rerio</i> ). <i>Biology</i> , 2023, 12, 323.	1.3	0
935	The effect of sodium thiosulfate on immune cell metabolism during porcine hemorrhage and resuscitation. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	6
936	Lactate exposure shapes the metabolic and transcriptomic profile of CD8+ T cells. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	8
937	Phosphoenolpyruvate regulates the Th17 transcriptional program and inhibits autoimmunity. <i>Cell Reports</i> , 2023, 42, 112205.	2.9	3
938	Identification of Breast Cancer Subtypes by Integrating Genomic Analysis with the Immune Microenvironment. <i>ACS Omega</i> , 2023, 8, 12217-12231.	1.6	5
940	Hypoxia induces dichotomous and reversible attenuation of T cell responses through reactive oxygen species-dependent phenotype redistribution and delay in lymphoblast proliferation. <i>Free Radical Research</i> , 2023, 57, 1-13.	1.5	0
942	Peripheral Mononuclear Cells Surface Markers Evaluation in Different Stages of Hepatocellular Carcinoma; in a Trial for Early and Accurate Diagnosis in Patients with Post-Hepatitis Liver Cirrhosis and Unremarkable Raised AFP. <i>International Journal of General Medicine</i> , 0, Volume 16, 1047-1058.	0.8	0
943	Targeting Mitochondria with ClpP Agonists as a Novel Therapeutic Opportunity in Breast Cancer. <i>Cancers</i> , 2023, 15, 1936.	1.7	6
944	The lactate dehydrogenase (LDH) isoenzyme spectrum enables optimally controlling T cell glycolysis and differentiation. <i>Science Advances</i> , 2023, 9, .	4.7	3
945	Metabolic Interventions in Tumor Immunity: Focus on Dual Pathway Inhibitors. <i>Cancers</i> , 2023, 15, 2043.	1.7	2
946	Targeting glutamine metabolism as a therapeutic strategy for cancer. <i>Experimental and Molecular Medicine</i> , 2023, 55, 706-715.	3.2	54
948	Remodeling the hepatic fibrotic microenvironment with emerging nanotherapeutics: a comprehensive review. <i>Journal of Nanobiotechnology</i> , 2023, 21, .	4.2	7
949	Regulation of c-SMAC formation and AKT-mTOR signaling by the TSG101-IFT20 axis in CD4+ T cells. , 0, , .		1
950	Natural $\hat{3}$ T17 cell development and functional acquisition is governed by the mTORC2-c-Maf-controlled mitochondrial fission pathway. <i>IScience</i> , 2023, 26, 106630.	1.9	0

#	ARTICLE	IF	CITATIONS
951	CD33 BiTE <sup>®</sup> molecule-mediated immune synapse formation and subsequent T-cell activation is determined by the expression profile of activating and inhibitory checkpoint molecules on AML cells. <i>Cancer Immunology, Immunotherapy</i> , 0, , .	2.0	0
953	The relationship between CD4+ T cell glycolysis and their functions. <i>Trends in Endocrinology and Metabolism</i> , 2023, 34, 345-360.	3.1	4
954	Clinical and biochemical footprints of inherited metabolic diseases. XII. Immunological defects. <i>Molecular Genetics and Metabolism</i> , 2023, 139, 107582.	0.5	4
955	Porcine blood cell and brain tissue energy metabolism: Effects of "early life stress". <i>Frontiers in Molecular Biosciences</i> , 0, 10, .	1.6	5
956	mWTX-330, an IL-12 INDUKINE Molecule, Activates and Reshapes Tumor-Infiltrating CD8+ T and NK Cells to Generate Antitumor Immunity. <i>Cancer Immunology Research</i> , 2023, 11, 962-977.	1.6	1
974	Post-transcriptional checkpoints in autoimmunity. <i>Nature Reviews Rheumatology</i> , 2023, 19, 486-502.	3.5	3
984	Effects of altered glycolysis levels on CD8+ T cell activation and function. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	12
996	Regulation of CD8+ T memory and exhaustion by the mTOR signals. , 2023, 20, 1023-1039.		4
1003	The cancer-immune dialogue in the context of stress. <i>Nature Reviews Immunology</i> , 0, , .	10.6	6
1009	Cytokines and Chemokines in Tumor Growth and Progression. , 2023, , 33-77.		0
1016	Editorial: Emerging talents in comparative immunology: 2022. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	0
1029	Immune System, Redox Signaling, and Cancer Immunity. , 2023, , 207-235.		0
1049	Editorial: Metabolic regulation of macrophage functions in inflammation. <i>Frontiers in Immunology</i> , 0, 15, .	2.2	0