

Giuseppe Matarese

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2121384/publications.pdf>

Version: 2024-02-01

230
papers

26,460
citations

13099

68
h-index

6471

157
g-index

237
all docs

237
docs citations

237
times ranked

37328
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Leptin modulates the T-cell immune response and reverses starvation-induced immunosuppression. <i>Nature</i> , 1998, 394, 897-901.	27.8	1,943
3	Beneficial effects of leptin on obesity, T cell hyporesponsiveness, and neuroendocrine/metabolic dysfunction of human congenital leptin deficiency. <i>Journal of Clinical Investigation</i> , 2002, 110, 1093-1103.	8.2	953
4	The weight of leptin in immunity. <i>Nature Reviews Immunology</i> , 2004, 4, 371-379.	22.7	780
5	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	2.9	766
6	Beneficial effects of leptin on obesity, T cell hyporesponsiveness, and neuroendocrine/metabolic dysfunction of human congenital leptin deficiency. <i>Journal of Clinical Investigation</i> , 2002, 110, 1093-1103.	8.2	670
7	Clinical and Molecular Genetic Spectrum of Congenital Deficiency of the Leptin Receptor. <i>New England Journal of Medicine</i> , 2007, 356, 237-247.	27.0	610
8	A Key Role of Leptin in the Control of Regulatory T Cell Proliferation. <i>Immunity</i> , 2007, 26, 241-255.	14.3	579
9	Human CD4+CD25+ cells: a naturally occurring population of regulatory T cells. <i>Blood</i> , 2001, 98, 2736-2744.	1.4	551
10	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. <i>European Journal of Immunology</i> , 2017, 47, 1584-1797.	2.9	505
11	Leptin in Immunology. <i>Journal of Immunology</i> , 2005, 174, 3137-3142.	0.8	500
12	Leptin protects mice from starvation-induced lymphoid atrophy and increases thymic cellularity in ob/ob mice. <i>Journal of Clinical Investigation</i> , 1999, 104, 1051-1059.	8.2	478
13	Immunometabolic Pathways in BCG-Induced Trained Immunity. <i>Cell Reports</i> , 2016, 17, 2562-2571.	6.4	467
14	Requirement for Leptin in the Induction and Progression of Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2001, 166, 5909-5916.	0.8	323
15	An Oscillatory Switch in mTOR Kinase Activity Sets Regulatory T Cell Responsiveness. <i>Immunity</i> , 2010, 33, 929-941.	14.3	312
16	Glycolysis controls the induction of human regulatory T cells by modulating the expression of FOXP3 exon 2 splicing variants. <i>Nature Immunology</i> , 2015, 16, 1174-1184.	14.5	296
17	Leptin and Inflammation. <i>Current Immunology Reviews</i> , 2008, 4, 70-79.	1.2	278
18	Leptin increase in multiple sclerosis associates with reduced number of CD4+CD25+ regulatory T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5150-5155.	7.1	274

#	ARTICLE	IF	CITATIONS
19	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. <i>Nature Immunology</i> , 2021, 22, 2-6.	14.5	274
20	Leptin surge precedes onset of autoimmune encephalomyelitis and correlates with development of pathogenic T cell responses. <i>Journal of Clinical Investigation</i> , 2003, 111, 241-250.	8.2	270
21	Pathogenesis of endometriosis: natural immunity dysfunction or autoimmune disease?. <i>Trends in Molecular Medicine</i> , 2003, 9, 223-228.	6.7	260
22	Leptin as an immunomodulator. <i>Molecular Aspects of Medicine</i> , 2012, 33, 35-45.	6.4	248
23	Leptin is an effective treatment for hypothalamic amenorrhea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6585-6590.	7.1	245
24	Animal models of Multiple Sclerosis. <i>European Journal of Pharmacology</i> , 2015, 759, 182-191.	3.5	237
25	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.	7.1	234
26	The immunology of pregnancy: Regulatory T cells control maternal immune tolerance toward the fetus. <i>Immunology Letters</i> , 2014, 162, 41-48.	2.5	212
27	Leptin Receptor Expression and Signaling in Lymphocytes: Kinetics During Lymphocyte Activation, Role in Lymphocyte Survival, and Response to High Fat Diet in Mice. <i>Journal of Immunology</i> , 2006, 176, 7745-7752.	0.8	207
28	The Proteomic Landscape of Human Ex Vivo Regulatory and Conventional T Cells Reveals Specific Metabolic Requirements. <i>Immunity</i> , 2016, 44, 406-421.	14.3	201
29	Regulatory T cell proliferative potential is impaired in human autoimmune disease. <i>Nature Medicine</i> , 2014, 20, 69-74.	30.7	189
30	Differential regulation of metabolic, neuroendocrine, and immune function by leptin in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8481-8486.	7.1	188
31	The intricate interface between immune system and metabolism. <i>Trends in Immunology</i> , 2004, 25, 193-200.	6.8	187
32	Balancing susceptibility to infection and autoimmunity: a role for leptin?. <i>Trends in Immunology</i> , 2002, 23, 182-187.	6.8	182
33	Leptin Accelerates Autoimmune Diabetes in Female NOD Mice. <i>Diabetes</i> , 2002, 51, 1356-1361.	0.6	181
34	Regulatory T Cell Migration Is Dependent on Glucokinase-Mediated Glycolysis. <i>Immunity</i> , 2017, 47, 875-889.e10.	14.3	181
35	Immunological functions of leptin and adiponectin. <i>Biochimie</i> , 2012, 94, 2082-2088.	2.6	173
36	Unraveling the multiple roles of leptin in inflammation and autoimmunity. <i>Journal of Molecular Medicine</i> , 2004, 82, 4-11.	3.9	171

#	ARTICLE	IF	CITATIONS
37	Regulatory T cells in obesity: the leptin connection. Trends in Molecular Medicine, 2010, 16, 247-256.	6.7	171
38	The Cellular and Molecular Basis of Translational Immunometabolism. Immunity, 2015, 43, 421-434.	14.3	161
39	Role of metabolism in neurodegenerative disorders. Metabolism: Clinical and Experimental, 2016, 65, 1376-1390.	3.4	158
40	Oxidative metabolism drives inflammation-induced platinum resistance in human ovarian cancer. Cell Death and Differentiation, 2016, 23, 1542-1554.	11.2	154
41	Beneficial effects of leptin on obesity, T cell hyporesponsiveness, and neuroendocrine/metabolic dysfunction of human congenital leptin deficiency. Journal of Clinical Investigation, 2002, 110, 1093-1103.	8.2	154
42	Leptin surge precedes onset of autoimmune encephalomyelitis and correlates with development of pathogenic T cell responses. Journal of Clinical Investigation, 2003, 111, 241-250.	8.2	147
43	T Cells: Warriors of SARS-CoV-2 Infection. Trends in Immunology, 2021, 42, 18-30.	6.8	142
44	Leptin and the immune system: how nutritional status influences the immune response. European Cytokine Network, 2000, 11, 7-14.	2.0	136
45	Leptin potentiates experimental autoimmune encephalomyelitis in SJL female mice and confers susceptibility to males. European Journal of Immunology, 2001, 31, 1324-1332.	2.9	134
46	Efficacy of Metreleptin in Obese Patients With Type 2 Diabetes: Cellular and Molecular Pathways Underlying Leptin Tolerance. Diabetes, 2011, 60, 1647-1656.	0.6	129
47	Leptin-Induced mTOR Activation Defines a Specific Molecular and Transcriptional Signature Controlling CD4+ Effector T Cell Responses. Journal of Immunology, 2012, 189, 2941-2953.	0.8	121
48	Cutting Edge: Leptin-Induced ROR γ t Expression in CD4+ T Cells Promotes Th17 Responses in Systemic Lupus Erythematosus. Journal of Immunology, 2013, 190, 3054-3058.	0.8	117
49	Leptin neutralization interferes with pathogenic T cell autoreactivity in autoimmune encephalomyelitis. Journal of Clinical Investigation, 2006, 116, 447-455.	8.2	115
50	Increased Leptin Levels in Serum and Peritoneal Fluid of Patients with Pelvic Endometriosis ¹ . Journal of Clinical Endocrinology and Metabolism, 2000, 85, 2483-2487.	3.6	111
51	Enrichment of CD56dimKIR+CD57+ highly cytotoxic NK cells in tumour-infiltrated lymph nodes of melanoma patients. Nature Communications, 2014, 5, 5639.	12.8	109
52	Exon 6 and 2 Peroxisome Proliferator-Activated Receptor- β Polymorphisms in Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 5887-5892.	3.6	106
53	Role of Metabolism in the Immunobiology of Regulatory T Cells. Journal of Immunology, 2016, 197, 2567-2575.	0.8	103
54	Leptin inhibits the anti-CD3-driven proliferation of peripheral blood T cells but enhances the production of proinflammatory cytokines. Journal of Leukocyte Biology, 2002, 72, 330-8.	3.3	102

#	ARTICLE	IF	CITATIONS
55	Neuro-Endocrine Networks Controlling Immune System in Health and Disease. <i>Frontiers in Immunology</i> , 2014, 5, 143.	4.8	93
56	Pentraxin 3 Induces Vascular Endothelial Dysfunction Through a P-selectin/Matrix Metalloproteinase-1 Pathway. <i>Circulation</i> , 2015, 131, 1495-1505.	1.6	89
57	Increased Leptin Levels in Serum and Peritoneal Fluid of Patients with Pelvic Endometriosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000, 85, 2483-2487.	3.6	87
58	Leptin as immune mediator: Interaction between neuroendocrine and immune system. <i>Developmental and Comparative Immunology</i> , 2017, 66, 120-129.	2.3	86
59	A unique plasma microRNA profile defines type 2 diabetes progression. <i>PLoS ONE</i> , 2017, 12, e0188980.	2.5	86
60	Leptin in autoimmune diseases. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 92-104.	3.4	85
61	Role of Adipokines Signaling in the Modulation of T Cells Function. <i>Frontiers in Immunology</i> , 2013, 4, 332.	4.8	82
62	Drp1 Controls Effective T Cell Immune-Surveillance by Regulating T Cell Migration, Proliferation, and cMyc-Dependent Metabolic Reprogramming. <i>Cell Reports</i> , 2018, 25, 3059-3073.e10.	6.4	82
63	Type 2 Diabetes: How Much of an Autoimmune Disease?. <i>Frontiers in Endocrinology</i> , 2019, 10, 451.	3.5	82
64	Leptin Modulates the Survival of Autoreactive CD4+ T Cells through the Nutrient/Energy-Sensing Mammalian Target of Rapamycin Signaling Pathway. <i>Journal of Immunology</i> , 2010, 185, 7474-7479.	0.8	80
65	Leptin as a metabolic link to multiple sclerosis. <i>Nature Reviews Neurology</i> , 2010, 6, 455-461.	10.1	79
66	Leptin promotes systemic lupus erythematosus by increasing autoantibody production and inhibiting immune regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10637-10642.	7.1	79
67	Cellular and molecular crosstalk between leptin receptor and estrogen receptor- α in breast cancer: molecular basis for a novel therapeutic setting. <i>Endocrine-Related Cancer</i> , 2010, 17, 373-382.	3.1	78
68	A Key Regulatory Role for Histamine in Experimental Autoimmune Encephalomyelitis: Disease Exacerbation in Histidine Decarboxylase-Deficient Mice. <i>Journal of Immunology</i> , 2006, 176, 17-26.	0.8	75
69	The effect of disease activity on leptin, leptin receptor and suppressor of cytokine signalling-3 expression in relapsing/remitting multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2007, 192, 174-183.	2.3	74
70	Obesity worsens central inflammation and disability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020, 26, 1237-1246.	3.0	72
71	Metformin restores the mitochondrial network and reverses mitochondrial dysfunction in Down syndrome cells. <i>Human Molecular Genetics</i> , 2017, 26, ddx016.	2.9	70
72	Cutting Edge: Fasting-Induced Hypoleptinemia Expands Functional Regulatory T Cells in Systemic Lupus Erythematosus. <i>Journal of Immunology</i> , 2012, 188, 2070-2073.	0.8	69

#	ARTICLE	IF	CITATIONS
73	Leptin in autoimmunity: many questions, some answers. <i>Tissue Antigens</i> , 2007, 70, 87-95.	1.0	67
74	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.	3.4	67
75	The intricate interface between immune and metabolic regulation: a role for leptin in the pathogenesis of multiple sclerosis?. <i>Journal of Leukocyte Biology</i> , 2008, 84, 893-899.	3.3	66
76	Proteomic screening identifies calreticulin as a miR-27a direct target repressing MHC class I cell surface exposure in colorectal cancer. <i>Cell Death and Disease</i> , 2016, 7, e2120-e2120.	6.3	65
77	Evaluation of the efficacy of celecoxib and ibuprofen on postoperative pain, swelling, and mouth opening after surgical removal of impacted third molars: a randomized, controlled clinical trial. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 1348-1354.	1.5	65
78	Biochemical, Pathological, and Skeletal Improvement of Mucopolysaccharidosis VI After Gene Transfer to Liver but Not to Muscle. <i>Molecular Therapy</i> , 2008, 16, 30-37.	8.2	63
79	Extracellular MicroRNA Signature of Human Helper T Cell Subsets in Health and Autoimmunity. <i>Journal of Biological Chemistry</i> , 2017, 292, 2903-2915.	3.4	63
80	Leptin and Adipocytokines: Bridging the Gap Between Immunity and Atherosclerosis. <i>Current Pharmaceutical Design</i> , 2007, 13, 3676-3680.	1.9	61
81	Obesity and susceptibility to autoimmune diseases. <i>Expert Review of Clinical Immunology</i> , 2011, 7, 287-294.	3.0	61
82	Identification of a monoclonal antibody against the leptin receptor that acts as an antagonist and blocks human monocyte and T cell activation. <i>Journal of Immunological Methods</i> , 2006, 312, 190-200.	1.4	60
83	Intracellular metabolic pathways control immune tolerance. <i>Trends in Immunology</i> , 2012, 33, 1-7.	6.8	60
84	The miR-27a-calreticulin axis affects drug-induced immunogenic cell death in human colorectal cancer cells. <i>Cell Death and Disease</i> , 2016, 7, e2108-e2108.	6.3	58
85	Resveratrol Couples Apoptosis with Autophagy in UVB-Irradiated HaCaT Cells. <i>PLoS ONE</i> , 2013, 8, e80728.	2.5	56
86	Nutritional control of immunity: Balancing the metabolic requirements with an appropriate immune function. <i>Seminars in Immunology</i> , 2015, 27, 300-309.	5.6	55
87	The pleiotropic roles of leptin in metabolism, immunity, and cancer. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	54
88	Leptin: The Prototypic Adipocytokine and its Role in NAFLD. <i>Current Pharmaceutical Design</i> , 2010, 16, 1902-1912.	1.9	53
89	Leptin administration to overweight and obese subjects for 6 months increases free leptin concentrations but does not alter circulating hormones of the thyroid and IGF axes during weight loss induced by a mild hypocaloric diet. <i>European Journal of Endocrinology</i> , 2011, 165, 249-254.	3.7	51
90	Leptin Signaling: A Key Pathway in Immune Responses. <i>Current Signal Transduction Therapy</i> , 2009, 4, 22-30.	0.5	50

#	ARTICLE	IF	CITATIONS
91	Serum concentrations of soluble human leukocyte class I antigens and of the soluble intercellular adhesion molecule-1 in endometriosis: relationship with stage and non-pigmented peritoneal lesions. <i>Human Reproduction</i> , 1998, 13, 3206-3210.	0.9	49
92	Metabolic control of immune tolerance in health and autoimmunity. <i>Seminars in Immunology</i> , 2016, 28, 491-504.	5.6	47
93	The peritoneal fluid concentration of leptin is increased in women with peritoneal but not ovarian endometriosis. <i>Human Reproduction</i> , 2001, 16, 1251-1254.	0.9	46
94	Leptin promotes lupus T-cell autoimmunity. <i>Clinical Immunology</i> , 2013, 149, 530-533.	3.2	46
95	IFN- β orchestrates mesenchymal stem cell plasticity through the signal transducer and activator of transcription 1 and 3 and mammalian target of rapamycin pathways. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1667-1676.	2.9	46
96	Leptin modulates autophagy in human CD4 ⁺ CD25 ⁺ conventional T cells. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 1272-1279.	3.4	45
97	Mitochondrial AKAP1 supports mTOR pathway and tumor growth. <i>Cell Death and Disease</i> , 2017, 8, e2842-e2842.	6.3	45
98	Metabolic pressure and the breach of immunological self-tolerance. <i>Nature Immunology</i> , 2017, 18, 1190-1196.	14.5	45
99	Bridging the gap between vaccination with Bacille Calmette-Guérin (BCG) and immunological tolerance: the cases of type 1 diabetes and multiple sclerosis. <i>Current Opinion in Immunology</i> , 2018, 55, 89-96.	5.5	45
100	The Bioenergetics of the Immune System. <i>Science</i> , 2001, 292, 855-856.	12.6	43
101	Regulatory T cells, inflammation, and endoplasmic reticulum stress in women with defective endometrial receptivity. <i>Fertility and Sterility</i> , 2015, 103, 1579-1586.e1.	1.0	43
102	Extracellular RNAs: A Secret Arm of Immune System Regulation. <i>Journal of Biological Chemistry</i> , 2016, 291, 7221-7228.	3.4	43
103	Powerhouse failure and oxidative damage in autosomal recessive spastic ataxia of Charlevoix-Saguenay. <i>Journal of Neurology</i> , 2015, 262, 2755-2763.	3.6	42
104	FoxP3 isoforms and PD-1 expression by T regulatory cells in multiple sclerosis. <i>Scientific Reports</i> , 2018, 8, 3674.	3.3	42
105	Signals of pseudo-starvation unveil the amino acid transporter SLC7A11 as key determinant in the control of Treg cell proliferative potential. <i>Immunity</i> , 2021, 54, 1543-1560.e6.	14.3	42
106	Selective capacity of metreleptin administration to reconstitute CD4 ⁺ T-cell number in females with acquired hypoleptinemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E818-27.	7.1	41
107	At the crossroad of T cells, adipose tissue, and diabetes. <i>Immunological Reviews</i> , 2012, 249, 116-134.	6.0	40
108	Intra-follicular leptin concentration as a predictive factor for in vitro oocyte fertilization in assisted reproductive techniques. <i>Journal of Endocrinological Investigation</i> , 2006, 29, 719-726.	3.3	39

#	ARTICLE	IF	CITATIONS
109	miR-27a is a master regulator of metabolic reprogramming and chemoresistance in colorectal cancer. <i>British Journal of Cancer</i> , 2020, 122, 1354-1366.	6.4	38
110	CD31+ Extracellular Vesicles From Patients With Type 2 Diabetes Shuttle a miRNA Signature Associated With Cardiovascular Complications. <i>Diabetes</i> , 2021, 70, 240-254.	0.6	38
111	Immune-metabolic profiling of anorexic patients reveals an anti-oxidant and anti-inflammatory phenotype. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 396-405.	3.4	37
112	Arvanil inhibits T lymphocyte activation and ameliorates autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2006, 171, 110-119.	2.3	36
113	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.	0.8	36
114	Coenzyme Q10 supplementation reduces peripheral oxidative stress and inflammation in interferon- β 1a-treated multiple sclerosis. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641881907.	3.5	35
115	Caloric Restriction Promotes Immunometabolic Reprogramming Leading to Protection from Tuberculosis. <i>Cell Metabolism</i> , 2021, 33, 300-318.e12.	16.2	35
116	Association of pelvic endometriosis with alopecia universalis, autoimmune thyroiditis and multiple sclerosis. <i>Journal of Endocrinological Investigation</i> , 2006, 29, 182-189.	3.3	34
117	Regulatory CD4 T cells: sensing the environment. <i>Trends in Immunology</i> , 2008, 29, 12-17.	6.8	34
118	AMBRA1 Controls Regulatory T-Cell Differentiation and Homeostasis Upstream of the FOXO3-FOXP3 Axis. <i>Developmental Cell</i> , 2018, 47, 592-607.e6.	7.0	34
119	IFN β enhances mesenchymal stromal (Stem) cells immunomodulatory function through STAT1-3 activation and mTOR-associated promotion of glucose metabolism. <i>Cell Death and Disease</i> , 2019, 10, 85.	6.3	34
120	Regulatory T cells as suppressors of anti-tumor immunity: Role of metabolism. <i>Cytokine and Growth Factor Reviews</i> , 2017, 35, 15-25.	7.2	33
121	GRK2 moderates the acute mitochondrial damage to ionizing radiation exposure by promoting mitochondrial fission/fusion. <i>Cell Death Discovery</i> , 2018, 4, 25.	4.7	32
122	Oscillatory mTOR inhibition and Treg increase in kidney transplantation. <i>Clinical and Experimental Immunology</i> , 2015, 182, 230-240.	2.6	30
123	Hunger-promoting hypothalamic neurons modulate effector and regulatory T-cell responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6193-6198.	7.1	29
124	Ncx3 gene ablation impairs oligodendrocyte precursor response and increases susceptibility to experimental autoimmune encephalomyelitis. <i>Glia</i> , 2016, 64, 1124-1137.	4.9	29
125	Divergent immunomodulatory effects of recombinant and urinary-derived FSH, LH, and hCG on human CD4+ T cells. <i>Journal of Reproductive Immunology</i> , 2010, 85, 172-179.	1.9	28
126	Immunometabolic biomarkers of inflammation in Behçet's disease: relationship with epidemiological profile, disease activity and therapeutic regimens. <i>Clinical and Experimental Immunology</i> , 2016, 184, 197-207.	2.6	28

#	ARTICLE	IF	CITATIONS
127	Immune Phenotype and Serum Leptin in Children with Obesity-Related Liver Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 341-344.	3.6	27
128	Effects on Immune Cells of a New 1,8-Naphthyridin-2-One Derivative and Its Analogues as Selective CB2 Agonists: Implications in Multiple Sclerosis. <i>PLoS ONE</i> , 2013, 8, e62511.	2.5	27
129	The DEL-1/ β ² 3 integrin axis promotes regulatory T cell responses during inflammation resolution. <i>Journal of Clinical Investigation</i> , 2020, 130, 6261-6277.	8.2	27
130	Longitudinal assessment of immuno-metabolic parameters in multiple sclerosis patients during treatment with glatiramer acetate. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 1112-1121.	3.4	26
131	An immunometabolic pathomechanism for chronic obstructive pulmonary disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15625-15634.	7.1	26
132	Leptin Enhances Availability of Apoptotic Cell-Derived Self-Antigen in Systemic Lupus Erythematosus. <i>PLoS ONE</i> , 2014, 9, e112826.	2.5	25
133	Leptin and ghrelin: Sewing metabolism onto neurodegeneration. <i>Neuropharmacology</i> , 2018, 136, 307-316.	4.1	25
134	Plasma circulating miR-23~27~24 clusters correlate with the immunometabolic derangement and predict C-peptide loss in children with type 1 diabetes. <i>Diabetologia</i> , 2020, 63, 2699-2712.	6.3	25
135	Blood Co-Circulating Extracellular microRNAs and Immune Cell Subsets Associate with Type 1 Diabetes Severity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 477.	4.1	25
136	Polychlorinated Biphenyls Induce Mitochondrial Dysfunction in SH-SY5Y Neuroblastoma Cells. <i>PLoS ONE</i> , 2015, 10, e0129481.	2.5	25
137	The Yin and Yang of CD4+ Regulatory T Cells in Autoimmunity and Cancer. <i>Current Medicinal Chemistry</i> , 2009, 16, 4626-4631.	2.4	24
138	Regulatory T Cells, Leptin and Angiogenesis. <i>Chemical Immunology and Allergy</i> , 2014, 99, 155-169.	1.7	24
139	Leptin as a Novel Therapeutic Target for Immune Intervention. <i>Inflammation and Allergy: Drug Targets</i> , 2002, 1, 13-22.	3.1	23
140	Imbalance of circulating dendritic cell subsets in chronic obstructive pulmonary disease. <i>Clinical Immunology</i> , 2010, 137, 102-110.	3.2	23
141	Cladribine interferes with IL-1 β synaptic effects in experimental multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2013, 264, 8-13.	2.3	23
142	Type 1 diabetes progression is associated with loss of CD3+CD56+ regulatory T cells that control CD8+ T-cell effector functions. <i>Nature Metabolism</i> , 2020, 2, 142-152.	11.9	23
143	The role of CD4-Lck in T-cell receptor antagonism: evidence for negative signaling.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 10360-10365.	7.1	22
144	The CB1 receptor antagonist rimonabant controls cell viability and ascitic tumour growth in mice. <i>Pharmacological Research</i> , 2012, 65, 365-371.	7.1	22

#	ARTICLE	IF	CITATIONS
145	Allelic distribution of human leucocyte antigen in historical and recently diagnosed tuberculosis patients in Southern Italy. <i>Immunology</i> , 2004, 111, 318-322.	4.4	21
146	Histamine regulates autoreactive T cell activation and adhesiveness in inflamed brain microcirculation. <i>Journal of Leukocyte Biology</i> , 2010, 89, 259-267.	3.3	21
147	Meta-Immunological Profiling of Children With Type 1 Diabetes Identifies New Biomarkers to Monitor Disease Progression. <i>Diabetes</i> , 2013, 62, 2481-2491.	0.6	21
148	Metabolism and Autoimmune Responses: The microRNA Connection. <i>Frontiers in Immunology</i> , 2019, 10, 1969.	4.8	21
149	Neuroinflammation Is Associated with GFAP and sTREM2 Levels in Multiple Sclerosis. <i>Biomolecules</i> , 2022, 12, 222.	4.0	21
150	Defective dendritic cell maturation in a child with nucleotide excision repair deficiency and CD4 lymphopenia. <i>Clinical and Experimental Immunology</i> , 2001, 126, 511-518.	2.6	20
151	T Cell Activation Deficiency Associated with an Aberrant Pattern of Protein Tyrosine Phosphorylation after CD3 Perturbation in Down's Syndrome. <i>Pediatric Research</i> , 1998, 44, 252-258.	2.3	20
152	High Serum Leptin in Patients with Chronic Graft-Versus-Host Disease after Hematopoietic Stem Cell Transplantation. <i>Transplantation</i> , 2004, 78, 1376-1383.	1.0	19
153	HMG-CoA reductase inhibitors inhibit rat propylthiouracil-induced goiter by modulating the ras-MAPK pathway. <i>Journal of Molecular Medicine</i> , 2006, 84, 967-973.	3.9	19
154	Leptin concentrations in the peritoneal fluid of women with ovarian endometriosis are different according to the presence of a "deep" or "superficial" ovarian disease. <i>Gynecological Endocrinology</i> , 2009, 25, 610-615.	1.7	19
155	T cell metabolism and susceptibility to autoimmune diseases. <i>Molecular Immunology</i> , 2015, 68, 558-563.	2.2	19
156	Serum levels of SARS-CoV-2 nucleocapsid antigen associate with inflammatory status and disease severity in COVID-19 patients. <i>Clinical Immunology</i> , 2021, 226, 108720.	3.2	19
157	Serum leptin and CD4 ⁺ T lymphocytes in HIV ⁺ children during highly active antiretroviral therapy. <i>Clinical Endocrinology</i> , 2002, 57, 643-646.	2.4	18
158	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.	2.4	18
159	From Cannabis to Endocannabinoids in Multiple Sclerosis: A Paradigm of Central Nervous System Autoimmune Diseases. <i>CNS and Neurological Disorders</i> , 2005, 4, 667-675.	4.3	17
160	In vivo veritas, in vitro artificia. <i>Trends in Molecular Medicine</i> , 2012, 18, 439-442.	6.7	17
161	Altered Bioenergetic Profile in Umbilical Cord and Amniotic Mesenchymal Stem Cells from Newborns of Obese Women. <i>Stem Cells and Development</i> , 2018, 27, 199-206.	2.1	17
162	Pioglitazone Improves Mitochondrial Organization and Bioenergetics in Down Syndrome Cells. <i>Frontiers in Genetics</i> , 2019, 10, 606.	2.3	17

#	ARTICLE	IF	CITATIONS
163	Inhibition of lysine-specific demethylase LSD1 induces senescence in Glioblastoma cells through a HIF-1 α -dependent pathway. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 535-546.	1.9	17
164	Convergent Effects of Resveratrol and PYK2 on Prostate Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1542.	4.1	16
165	Effect of time and titer in convalescent plasma therapy for COVID-19. <i>IScience</i> , 2021, 24, 102898.	4.1	16
166	16S rRNA of Mucosal Colon Microbiome and CCL2 Circulating Levels Are Potential Biomarkers in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10747.	4.1	16
167	Modulation of p38 MAPK Activity in Regulatory T Cells after Tolerance with Anti-DNA Ig Peptide in (NZB) Tj ETQq1. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 10784-10794.	0.8	15
168	Differential impact of high and low penetrance <i>TNFRSF1A</i> gene mutations on conventional and regulatory CD4+ T cell functions in TNFR1-associated periodic syndrome. <i>Journal of Leukocyte Biology</i> , 2016, 99, 761-769.	3.3	15
169	PD-1-induced T cell exhaustion is controlled by a Drp1-dependent mechanism. <i>Molecular Oncology</i> , 2022, 16, 188-205.	4.6	15
170	Editorial: Acute inflammation in obesity: IL-17A in the middle of the battle. <i>Journal of Leukocyte Biology</i> , 2010, 87, 17-18.	3.3	14
171	Metabolic fuelling of proper T cell functions. <i>Immunology Letters</i> , 2014, 161, 174-178.	2.5	14
172	Regulatory T cells, mTOR kinase, and metabolic activity. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3975-3987.	5.4	13
173	Immunometabolism of human autoimmune diseases: from metabolites to extracellular vesicles. <i>FEBS Letters</i> , 2017, 591, 3119-3134.	2.8	13
174	Immunometabolism and autoimmunity. <i>Current Opinion in Immunology</i> , 2020, 67, 10-17.	5.5	13
175	MiR-142-3p regulates synaptopathy-driven disease progression in multiple sclerosis. <i>Neuropathology and Applied Neurobiology</i> , 2022, 48, .	3.2	13
176	The fine specificity of human T cell lines towards myelin basic protein peptides in southern italian multiple sclerosis patients. <i>Clinical and Experimental Immunology</i> , 2001, 123, 288-293.	2.6	12
177	Immunometabolic profiling of patients with multiple sclerosis identifies new biomarkers to predict disease activity during treatment with interferon beta-1a. <i>Clinical Immunology</i> , 2017, 183, 249-253.	3.2	11
178	Increased frequency of regulatory T cells in pediatric inflammatory bowel disease at diagnosis: a compensative role?. <i>Pediatric Research</i> , 2020, 87, 853-861.	2.3	11
179	Participation to Leisure Activities and Well-Being in a Group of Residents of Naples-Italy: The Role of Resilience. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1895.	2.6	11
180	Human Trisomic iPSCs from Down Syndrome Fibroblasts Manifest Mitochondrial Alterations Early during Neuronal Differentiation. <i>Biology</i> , 2021, 10, 609.	2.8	11

#	ARTICLE	IF	CITATIONS
181	Aspirin reduces the outcome of anticancer therapy in Meth A-bearing mice through activation of AKT-glycogen synthase kinase signaling. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 1318-1324.	4.1	10
182	Different Susceptibility of T and B Cells to Cladribine Depends On Their Levels of Deoxycytidine Kinase Activity Linked to Activation Status. <i>Journal of NeuroImmune Pharmacology</i> , 2022, 17, 195-205.	4.1	10
183	SARS-CoV-2 meta-interactome suggests disease-specific, autoimmune pathophysiology and therapeutic targets. <i>F1000Research</i> , 2020, 9, 992.	1.6	10
184	Effects of human immunodeficiency virus type 1 on CD4 lymphocyte subset activation. <i>European Journal of Immunology</i> , 1999, 29, 1879-1889.	2.9	9
185	Immune responses in obesity models. <i>Drug Discovery Today: Disease Models</i> , 2005, 2, 177-181.	1.2	9
186	PTX3: an inflammatory protein modulating ultrastructure and bioenergetics of human endothelial cells. <i>Immunity and Ageing</i> , 2019, 16, 4.	4.2	9
187	Immunometabolism of regulatory T cells in cancer. <i>Molecular Aspects of Medicine</i> , 2021, 77, 100936.	6.4	9
188	Effects of Resveratrol on p66Shc phosphorylation in cultured prostate cells. <i>Translational Medicine @ UniSa</i> , 2015, 13, 47-58.	0.5	9
189	HIV-1 Tat protein vaccination in mice infected with <i>Mycobacterium tuberculosis</i> is safe, immunogenic and reduces bacterial lung pathology. <i>BMC Infectious Diseases</i> , 2016, 16, 442.	2.9	8
190	Prep1 deficiency improves metabolic response in white adipose tissue. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 515-525.	2.4	8
191	Glutiramer Acetate modulates ion channels expression and calcium homeostasis in B cell of patients with relapsing-remitting multiple sclerosis. <i>Scientific Reports</i> , 2019, 9, 4208.	3.3	8
192	The folate way to T cell fate. <i>Immunity</i> , 2022, 55, 1-3.	14.3	8
193	Leptin as Clinical Target. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2009, 3, 160-166.	3.6	7
194	Leptin in Non-Autoimmune Inflammation. <i>Inflammation and Allergy: Drug Targets</i> , 2009, 8, 285-291.	1.8	7
195	Steps towards Collective Sustainability in Biomedical Research. <i>Trends in Molecular Medicine</i> , 2018, 24, 429-432.	6.7	7
196	Metabolomics, Lipidomics, and Immunometabolism. <i>Methods in Molecular Biology</i> , 2021, 2285, 319-328.	0.9	7
197	Estimating asymptomatic SARS-CoV-2 infections in a geographic area of low disease incidence. <i>BMC Infectious Diseases</i> , 2021, 21, 350.	2.9	7
198	"Eczemas" and leptin. <i>Dermatitis</i> , 2011, 22, 320-3.	1.6	7

#	ARTICLE	IF	CITATIONS
199	CD8+ T cells specific for cryptic apoptosis-associated epitopes exacerbate experimental autoimmune encephalomyelitis. <i>Cell Death and Disease</i> , 2021, 12, 1026.	6.3	6
200	A Single Nucleotide ADA Genetic Variant Is Associated to Central Inflammation and Clinical Presentation in MS: Implications for Cladribine Treatment. <i>Genes</i> , 2020, 11, 1152.	2.4	5
201	CD4+ T Cell Defects in a Mulibrey Patient With Specific TRIM37 Mutations. <i>Frontiers in Immunology</i> , 2020, 11, 1742.	4.8	5
202	Modulation of CD45 tyrosine phosphatase activity by antigen. <i>European Journal of Immunology</i> , 2001, 31, 777-782.	2.9	4
203	Leptin in intestinal inflammation: good and bad gut feelings. <i>Gut</i> , 2004, 53, 921-922.	12.1	4
204	Ob-Stopping Obesity, Metabolic and Immune-Mediated Disorders. <i>Structure</i> , 2012, 20, 385-387.	3.3	4
205	The Sweet Kiss Breaching Immunological Self-Tolerance. <i>Trends in Molecular Medicine</i> , 2019, 25, 819-820.	6.7	4
206	Sample Size for Oxidative Stress and Inflammation When Treating Multiple Sclerosis with Interferon- β 1a and Coenzyme Q10. <i>Brain Sciences</i> , 2019, 9, 259.	2.3	4
207	Where Mitochondria Meet Autoimmunity: The Treg Cell Link. <i>Cell Metabolism</i> , 2020, 32, 507-509.	16.2	4
208	Anti-CD2 Antibody-Coated Nanoparticles Containing IL-2 Induce NK Cells That Protect Lupus Mice via a TGF- β -Dependent Mechanism. <i>Frontiers in Immunology</i> , 2020, 11, 583338.	4.8	4
209	A novel smaller β -defensin-derived peptide is active against multidrug-resistant bacterial strains. <i>FASEB Journal</i> , 2021, 35, e22026.	0.5	4
210	DNA vaccine encoding heat shock protein 90 protects from murine lupus. <i>Arthritis Research and Therapy</i> , 2020, 22, 152.	3.5	3
211	CD4+ T-Cell Activation Prompts Suppressive Function by Extracellular Vesicle-Associated MicroRNAs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 753884.	3.7	3
212	Obesity and Inflammation. , 2016, , 1017-1029.		2
213	Reimagining an immunological dogma. <i>Nature Immunology</i> , 2021, 22, 1355-1358.	14.5	2
214	High levels of blood circulating immune checkpoint molecules in children with new-onset type 1 diabetes are associated with the risk of developing an additional autoimmune disease. <i>Diabetologia</i> , 2022, 65, 1390-1397.	6.3	2
215	Leptin in Autoimmune Diseases. , 2007, , 91-100.		1
216	Serafino Zappacosta: An Enlightened Mentor and Educator. <i>Frontiers in Immunology</i> , 2020, 11, 217.	4.8	1

#	ARTICLE	IF	CITATIONS
217	A rapid and inexpensive genotyping method using dried blood spots for mutational analysis in a mutant mouse model: an update. <i>Molecular Biology Reports</i> , 0, , .	2.3	1
218	The Role of Leptin in the Cell-Mediated Immune Response and T Lymphocyte Development. <i>Clinical Science</i> , 1999, 97, 10P-10P.	0.0	0
219	Editorial [Hot Topic: Interface between the Immune and Metabolic Regulation (Guest Editor: Giuseppe) Tj ETQq1 1 0.784314 rgBT /Ov	0.4	0
220	Adipokines, Metabolism and the Immune Response in the Regulation of Inflammation. <i>Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents</i> , 2005, 4, 619-624.	0.4	0
221	Enrichment of KIR+CD57+ highly cytotoxic NK cells in sentinel lymph nodes of melanoma patients. <i>Journal of Translational Medicine</i> , 2014, 12, P10.	4.4	0
222	FRIO036â€¦Meta-Immunological Profiling of Patients with Behçet's Disease Reveals Novel Biomarkers of Disease Activity, Progression and Response To Therapy: Table 1.. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 438.3-439.	0.9	0
223	Hormonal control of trained immunity: aldosterone at the crossroad between activation of innate immunity and cardiovascular diseases. <i>Cardiovascular Research</i> , 2019, 116, 256-257.	3.8	0
224	Divide and hide: proliferating Î²-cells control immune tolerance in autoimmune diabetes. <i>Nature Metabolism</i> , 2019, 1, 499-500.	11.9	0
225	AB1305â€¦.EVALUATION OF SERUM LEVELS OF ASC FOR THE DIAGNOSIS AND MONITORING OF CRYOPYRIN ASSOCIATED PERIODIC SYNDROMES (CAPS). , 2019, , .		0
226	Complex interface between immunity and metabolism: The lung as a target organ. , 2019, , 23-43.		0
227	Novel acquisitions in cell immunometabolism. <i>Molecular Aspects of Medicine</i> , 2021, 77, 100945.	6.4	0
228	Leptin and Immune Function, Inflammation and Angiogenesis. <i>Growth Hormone</i> , 2006, , 125-138.	0.2	0
229	Obesity and Inflammation. , 2013, , 1-14.		0
230	Circulating intercellular adhesion molecule 1 (sICAM-1) in tumour necrosis factor receptor-associated periodic syndrome (TRAPS). <i>Clinical and Experimental Rheumatology</i> , 2017, 35 Suppl 104, 13-14.	0.8	0