

Giuseppe Matarese

List of Publications by Year in descending order

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Version: 2024-02-01

229
papers

26,460
citations

13827

67
h-index

6630

156
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.	4.3	4,701
2	Leptin modulates the T-cell immune response and reverses starvation-induced immunosuppression. <i>Nature</i> , 1998, 394, 897-901.	13.7	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.	3.9	953
4	The weight of leptin in immunity. <i>Nature Reviews Immunology</i> , 2004, 4, 371-379.	10.6	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.	1.6	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.	3.9	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.	13.9	610
8	A Key Role of Leptin in the Control of Regulatory T Cell Proliferation. <i>Immunity</i> , 2007, 26, 241-255.	6.6	579
9	Human CD4+CD25+ cells: a naturally occurring population of regulatory T cells. <i>Blood</i> , 2001, 98, 2736-2744.	0.6	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.	1.6	505
11	Leptin in Immunology. <i>Journal of Immunology</i> , 2005, 174, 3137-3142.	0.4	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.	3.9	478
13	Immunometabolic Pathways in BCG-Induced Trained Immunity. <i>Cell Reports</i> , 2016, 17, 2562-2571.	2.9	467
14	Requirement for Leptin in the Induction and Progression of Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2001, 166, 5909-5916.	0.4	323
15	An Oscillatory Switch in mTOR Kinase Activity Sets Regulatory T Cell Responsiveness. <i>Immunity</i> , 2010, 33, 929-941.	6.6	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.	7.0	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.	3.3	274

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19	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. <i>Nature Immunology</i> , 2021, 22, 2-6.	7.0	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.	3.9	270
21	Pathogenesis of endometriosis: natural immunity dysfunction or autoimmune disease?. <i>Trends in Molecular Medicine</i> , 2003, 9, 223-228.	3.5	260
22	Leptin as an immunomodulator. <i>Molecular Aspects of Medicine</i> , 2012, 33, 35-45.	2.7	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.	3.3	245
24	Animal models of Multiple Sclerosis. <i>European Journal of Pharmacology</i> , 2015, 759, 182-191.	1.7	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.	3.3	234
26	The immunology of pregnancy: Regulatory T cells control maternal immune tolerance toward the fetus. <i>Immunology Letters</i> , 2014, 162, 41-48.	1.1	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.	0.4	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.	6.6	201
29	Regulatory T cell proliferative potential is impaired in human autoimmune disease. <i>Nature Medicine</i> , 2014, 20, 69-74.	15.2	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.	3.3	188
31	The intricate interface between immune system and metabolism. <i>Trends in Immunology</i> , 2004, 25, 193-200.	2.9	187
32	Balancing susceptibility to infection and autoimmunity: a role for leptin?. <i>Trends in Immunology</i> , 2002, 23, 182-187.	2.9	182
33	Leptin Accelerates Autoimmune Diabetes in Female NOD Mice. <i>Diabetes</i> , 2002, 51, 1356-1361.	0.3	181
34	Regulatory T Cell Migration Is Dependent on Glucokinase-Mediated Glycolysis. <i>Immunity</i> , 2017, 47, 875-889.e10.	6.6	181
35	Immunological functions of leptin and adiponectin. <i>Biochimie</i> , 2012, 94, 2082-2088.	1.3	173
36	Unraveling the multiple roles of leptin in inflammation and autoimmunity. <i>Journal of Molecular Medicine</i> , 2004, 82, 4-11.	1.7	171

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37	Regulatory T cells in obesity: the leptin connection. Trends in Molecular Medicine, 2010, 16, 247-256.	3.5	171
38	The Cellular and Molecular Basis of Translational Immunometabolism. Immunity, 2015, 43, 421-434.	6.6	161
39	Role of metabolism in neurodegenerative disorders. Metabolism: Clinical and Experimental, 2016, 65, 1376-1390.	1.5	158
40	Oxidative metabolism drives inflammation-induced platinum resistance in human ovarian cancer. Cell Death and Differentiation, 2016, 23, 1542-1554.	5.0	154
41	Leptin surge precedes onset of autoimmune encephalomyelitis and correlates with development of pathogenic T cell responses. Journal of Clinical Investigation, 2003, 111, 241-250.	3.9	147
42	T Cells: Warriors of SARS-CoV-2 Infection. Trends in Immunology, 2021, 42, 18-30.	2.9	142
43	Leptin and the immune system: how nutritional status influences the immune response. European Cytokine Network, 2000, 11, 7-14.	1.1	136
44	Leptin potentiates experimental autoimmune encephalomyelitis in SJL female mice and confers susceptibility to males. European Journal of Immunology, 2001, 31, 1324-1332.	1.6	134
45	Efficacy of Metreleptin in Obese Patients With Type 2 Diabetes: Cellular and Molecular Pathways Underlying Leptin Tolerance. Diabetes, 2011, 60, 1647-1656.	0.3	129
46	Leptin-Induced mTOR Activation Defines a Specific Molecular and Transcriptional Signature Controlling CD4+ Effector T Cell Responses. Journal of Immunology, 2012, 189, 2941-2953.	0.4	121
47	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.	0.4	117
48	Leptin neutralization interferes with pathogenic T cell autoreactivity in autoimmune encephalomyelitis. Journal of Clinical Investigation, 2006, 116, 447-455.	3.9	115
49	Increased Leptin Levels in Serum and Peritoneal Fluid of Patients with Pelvic Endometriosis ¹ . Journal of Clinical Endocrinology and Metabolism, 2000, 85, 2483-2487.	1.8	111
50	Enrichment of CD56dimKIR+CD57+ highly cytotoxic NK cells in tumour-infiltrated lymph nodes of melanoma patients. Nature Communications, 2014, 5, 5639.	5.8	109
51	Exon 6 and 2 Peroxisome Proliferator-Activated Receptor- γ Polymorphisms in Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 5887-5892.	1.8	106
52	Role of Metabolism in the Immunobiology of Regulatory T Cells. Journal of Immunology, 2016, 197, 2567-2575.	0.4	103
53	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.	1.5	102
54	Neuro-Endocrine Networks Controlling Immune System in Health and Disease. Frontiers in Immunology, 2014, 5, 143.	2.2	93

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55	Pentraxin 3 Induces Vascular Endothelial Dysfunction Through a P-selectin/Matrix Metalloproteinase-1 Pathway. <i>Circulation</i> , 2015, 131, 1495-1505.	1.6	89
56	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.	1.8	87
57	Leptin as immune mediator: Interaction between neuroendocrine and immune system. <i>Developmental and Comparative Immunology</i> , 2017, 66, 120-129.	1.0	86
58	A unique plasma microRNA profile defines type 2 diabetes progression. <i>PLoS ONE</i> , 2017, 12, e0188980.	1.1	86
59	Leptin in autoimmune diseases. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 92-104.	1.5	85
60	Role of Adipokines Signaling in the Modulation of T Cells Function. <i>Frontiers in Immunology</i> , 2013, 4, 332.	2.2	82
61	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.	2.9	82
62	Type 2 Diabetes: How Much of an Autoimmune Disease?. <i>Frontiers in Endocrinology</i> , 2019, 10, 451.	1.5	82
63	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.	0.4	80
64	Leptin as a metabolic link to multiple sclerosis. <i>Nature Reviews Neurology</i> , 2010, 6, 455-461.	4.9	79
65	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.	3.3	79
66	Cellular and molecular crosstalk between leptin receptor and estrogen receptor- β in breast cancer: molecular basis for a novel therapeutic setting. <i>Endocrine-Related Cancer</i> , 2010, 17, 373-382.	1.6	78
67	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.	0.4	75
68	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.	1.1	74
69	Obesity worsens central inflammation and disability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020, 26, 1237-1246.	1.4	72
70	Metformin restores the mitochondrial network and reverses mitochondrial dysfunction in Down syndrome cells. <i>Human Molecular Genetics</i> , 2017, 26, ddx016.	1.4	70
71	Cutting Edge: Fasting-Induced Hypoleptinemia Expands Functional Regulatory T Cells in Systemic Lupus Erythematosus. <i>Journal of Immunology</i> , 2012, 188, 2070-2073.	0.4	69
72	Leptin in autoimmunity: many questions, some answers. <i>Tissue Antigens</i> , 2007, 70, 87-95.	1.0	67

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73	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
74	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.	1.5	66
75	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.	2.7	65
76	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.	0.7	65
77	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.	3.7	63
78	Extracellular MicroRNA Signature of Human Helper T Cell Subsets in Health and Autoimmunity. <i>Journal of Biological Chemistry</i> , 2017, 292, 2903-2915.	1.6	63
79	Leptin and Adipocytokines: Bridging the Gap Between Immunity and Atherosclerosis. <i>Current Pharmaceutical Design</i> , 2007, 13, 3676-3680.	0.9	61
80	Obesity and susceptibility to autoimmune diseases. <i>Expert Review of Clinical Immunology</i> , 2011, 7, 287-294.	1.3	61
81	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.	0.6	60
82	Intracellular metabolic pathways control immune tolerance. <i>Trends in Immunology</i> , 2012, 33, 1-7.	2.9	60
83	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.	2.7	58
84	Resveratrol Couples Apoptosis with Autophagy in UVB-Irradiated HaCaT Cells. <i>PLoS ONE</i> , 2013, 8, e80728.	1.1	56
85	Nutritional control of immunity: Balancing the metabolic requirements with an appropriate immune function. <i>Seminars in Immunology</i> , 2015, 27, 300-309.	2.7	55
86	The pleiotropic roles of leptin in metabolism, immunity, and cancer. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	54
87	Leptin: The Prototypic Adipocytokine and its Role in NAFLD. <i>Current Pharmaceutical Design</i> , 2010, 16, 1902-1912.	0.9	53
88	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.	1.9	51
89	Leptin Signaling: A Key Pathway in Immune Responses. <i>Current Signal Transduction Therapy</i> , 2009, 4, 22-30.	0.3	50
90	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.	0.4	49

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91	Metabolic control of immune tolerance in health and autoimmunity. <i>Seminars in Immunology</i> , 2016, 28, 491-504.	2.7	47
92	The peritoneal fluid concentration of leptin is increased in women with peritoneal but not ovarian endometriosis. <i>Human Reproduction</i> , 2001, 16, 1251-1254.	0.4	46
93	Leptin promotes lupus T-cell autoimmunity. <i>Clinical Immunology</i> , 2013, 149, 530-533.	1.4	46
94	IFN- γ 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.	1.5	46
95	Leptin modulates autophagy in human CD4 ⁺ CD25 ⁺ conventional T cells. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 1272-1279.	1.5	45
96	Mitochondrial AKAP1 supports mTOR pathway and tumor growth. <i>Cell Death and Disease</i> , 2017, 8, e2842-e2842.	2.7	45
97	Metabolic pressure and the breach of immunological self-tolerance. <i>Nature Immunology</i> , 2017, 18, 1190-1196.	7.0	45
98	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.	2.4	45
99	The Bioenergetics of the Immune System. <i>Science</i> , 2001, 292, 855-856.	6.0	43
100	Regulatory T cells, inflammation, and endoplasmic reticulum stress in women with defective endometrial receptivity. <i>Fertility and Sterility</i> , 2015, 103, 1579-1586.e1.	0.5	43
101	Extracellular RNAs: A Secret Arm of Immune System Regulation. <i>Journal of Biological Chemistry</i> , 2016, 291, 7221-7228.	1.6	43
102	Powerhouse failure and oxidative damage in autosomal recessive spastic ataxia of Charlevoix-Saguenay. <i>Journal of Neurology</i> , 2015, 262, 2755-2763.	1.8	42
103	FoxP3 isoforms and PD-1 expression by T regulatory cells in multiple sclerosis. <i>Scientific Reports</i> , 2018, 8, 3674.	1.6	42
104	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.	6.6	42
105	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.	3.3	41
106	At the crossroad of T cells, adipose tissue, and diabetes. <i>Immunological Reviews</i> , 2012, 249, 116-134.	2.8	40
107	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.	1.8	39
108	miR-27a is a master regulator of metabolic reprogramming and chemoresistance in colorectal cancer. <i>British Journal of Cancer</i> , 2020, 122, 1354-1366.	2.9	38

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109	CD31+ Extracellular Vesicles From Patients With Type 2 Diabetes Shuttle a miRNA Signature Associated With Cardiovascular Complications. <i>Diabetes</i> , 2021, 70, 240-254.	0.3	38
110	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
111	Arvanil inhibits T lymphocyte activation and ameliorates autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2006, 171, 110-119.	1.1	36
112	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
113	Coenzyme Q10 supplementation reduces peripheral oxidative stress and inflammation in interferon- β -treated multiple sclerosis. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641881907.	1.5	35
114	Caloric Restriction Promotes Immunometabolic Reprogramming Leading to Protection from Tuberculosis. <i>Cell Metabolism</i> , 2021, 33, 300-318.e12.	7.2	35
115	Association of pelvic endometriosis with alopecia universalis, autoimmune thyroiditis and multiple sclerosis. <i>Journal of Endocrinological Investigation</i> , 2006, 29, 182-189.	1.8	34
116	Regulatory CD4 T cells: sensing the environment. <i>Trends in Immunology</i> , 2008, 29, 12-17.	2.9	34
117	AMBRA1 Controls Regulatory T-Cell Differentiation and Homeostasis Upstream of the FOXO3-FOXP3 Axis. <i>Developmental Cell</i> , 2018, 47, 592-607.e6.	3.1	34
118	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.	2.7	34
119	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
120	GRK2 moderates the acute mitochondrial damage to ionizing radiation exposure by promoting mitochondrial fission/fusion. <i>Cell Death Discovery</i> , 2018, 4, 25.	2.0	32
121	Oscillatory mTOR inhibition and Treg increase in kidney transplantation. <i>Clinical and Experimental Immunology</i> , 2015, 182, 230-240.	1.1	30
122	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.	3.3	29
123	Ncx3 gene ablation impairs oligodendrocyte precursor response and increases susceptibility to experimental autoimmune encephalomyelitis. <i>Glia</i> , 2016, 64, 1124-1137.	2.5	29
124	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.	0.8	28
125	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.	1.1	28
126	Immune Phenotype and Serum Leptin in Children with Obesity-Related Liver Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 341-344.	1.8	27

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127	Effects on Immune Cells of a New 1,8-Naphthyridin-2-One Derivative and Its Analogues as Selective CB2 Agonists: Implications in Multiple Sclerosis. PLoS ONE, 2013, 8, e62511.	1.1	27
128	The DEL-1/ β 23 integrin axis promotes regulatory T cell responses during inflammation resolution. Journal of Clinical Investigation, 2020, 130, 6261-6277.	3.9	27
129	Longitudinal assessment of immuno-metabolic parameters in multiple sclerosis patients during treatment with glatiramer acetate. Metabolism: Clinical and Experimental, 2015, 64, 1112-1121.	1.5	26
130	An immunometabolic pathomechanism for chronic obstructive pulmonary disease. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15625-15634.	3.3	26
131	Leptin Enhances Availability of Apoptotic Cell-Derived Self-Antigen in Systemic Lupus Erythematosus. PLoS ONE, 2014, 9, e112826.	1.1	25
132	Leptin and ghrelin: Sewing metabolism onto neurodegeneration. Neuropharmacology, 2018, 136, 307-316.	2.0	25
133	Plasma circulating miR-23~27~24 clusters correlate with the immunometabolic derangement and predict C-peptide loss in children with type 1 diabetes. Diabetologia, 2020, 63, 2699-2712.	2.9	25
134	Blood Co-Circulating Extracellular microRNAs and Immune Cell Subsets Associate with Type 1 Diabetes Severity. International Journal of Molecular Sciences, 2020, 21, 477.	1.8	25
135	Polychlorinated Biphenyls Induce Mitochondrial Dysfunction in SH-SY5Y Neuroblastoma Cells. PLoS ONE, 2015, 10, e0129481.	1.1	25
136	The Yin and Yang of CD4+ Regulatory T Cells in Autoimmunity and Cancer. Current Medicinal Chemistry, 2009, 16, 4626-4631.	1.2	24
137	Regulatory T Cells, Leptin and Angiogenesis. Chemical Immunology and Allergy, 2014, 99, 155-169.	1.7	24
138	Leptin as a Novel Therapeutic Target for Immune Intervention. Inflammation and Allergy: Drug Targets, 2002, 1, 13-22.	3.1	23
139	Imbalance of circulating dendritic cell subsets in chronic obstructive pulmonary disease. Clinical Immunology, 2010, 137, 102-110.	1.4	23
140	Cladribine interferes with IL-1 β synaptic effects in experimental multiple sclerosis. Journal of Neuroimmunology, 2013, 264, 8-13.	1.1	23
141	Type 1 diabetes progression is associated with loss of CD3+CD56+ regulatory T cells that control CD8+ T-cell effector functions. Nature Metabolism, 2020, 2, 142-152.	5.1	23
142	The role of CD4-Lck in T-cell receptor antagonism: evidence for negative signaling.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 10360-10365.	3.3	22
143	The CB1 receptor antagonist rimonabant controls cell viability and ascitic tumour growth in mice. Pharmacological Research, 2012, 65, 365-371.	3.1	22
144	Allelic distribution of human leucocyte antigen in historical and recently diagnosed tuberculosis patients in Southern Italy. Immunology, 2004, 111, 318-322.	2.0	21

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145	Histamine regulates autoreactive T cell activation and adhesiveness in inflamed brain microcirculation. <i>Journal of Leukocyte Biology</i> , 2010, 89, 259-267.	1.5	21
146	Meta-Immunological Profiling of Children With Type 1 Diabetes Identifies New Biomarkers to Monitor Disease Progression. <i>Diabetes</i> , 2013, 62, 2481-2491.	0.3	21
147	Metabolism and Autoimmune Responses: The microRNA Connection. <i>Frontiers in Immunology</i> , 2019, 10, 1969.	2.2	21
148	Neuroinflammation Is Associated with GFAP and sTREM2 Levels in Multiple Sclerosis. <i>Biomolecules</i> , 2022, 12, 222.	1.8	21
149	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.	1.1	20
150	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.	1.1	20
151	High Serum Leptin in Patients with Chronic Graft-Versus-Host Disease after Hematopoietic Stem Cell Transplantation. <i>Transplantation</i> , 2004, 78, 1376-1383.	0.5	19
152	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.	1.7	19
153	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.	0.7	19
154	T cell metabolism and susceptibility to autoimmune diseases. <i>Molecular Immunology</i> , 2015, 68, 558-563.	1.0	19
155	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.	1.4	19
156	Serum leptin and CD4+ T lymphocytes in HIV+ children during highly active antiretroviral therapy. <i>Clinical Endocrinology</i> , 2002, 57, 643-646.	1.2	18
157	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
158	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
159	In vivo veritas, in vitro artificia. <i>Trends in Molecular Medicine</i> , 2012, 18, 439-442.	3.5	17
160	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.	1.1	17
161	Pioglitazone Improves Mitochondrial Organization and Bioenergetics in Down Syndrome Cells. <i>Frontiers in Genetics</i> , 2019, 10, 606.	1.1	17
162	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.	0.9	17

#	ARTICLE	IF	CITATIONS
163	Convergent Effects of Resveratrol and PYK2 on Prostate Cells. International Journal of Molecular Sciences, 2016, 17, 1542.	1.8	16
164	Effect of time and titer in convalescent plasma therapy for COVID-19. Science, 2021, 24, 102898.	1.9	16
165	16S rRNA of Mucosal Colon Microbiome and CCL2 Circulating Levels Are Potential Biomarkers in Colorectal Cancer. International Journal of Molecular Sciences, 2021, 22, 10747.	1.8	16
166	Modulation of p38 MAPK Activity in Regulatory T Cells after Tolerance with Anti-DNA Ig Peptide in (NZB) Tj ETQq0 0.0 rgBT /Overlock 10	0.4	15
167	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. Journal of Leukocyte Biology, 2016, 99, 761-769.	1.5	15
168	PD-1-induced T cell exhaustion is controlled by a Drp1-dependent mechanism. Molecular Oncology, 2022, 16, 188-205.	2.1	15
169	Editorial: Acute inflammation in obesity: IL-17A in the middle of the battle. Journal of Leukocyte Biology, 2010, 87, 17-18.	1.5	14
170	Metabolic fuelling of proper T cell functions. Immunology Letters, 2014, 161, 174-178.	1.1	14
171	Regulatory T cells, mTOR kinase, and metabolic activity. Cellular and Molecular Life Sciences, 2012, 69, 3975-3987.	2.4	13
172	Immunometabolism of human autoimmune diseases: from metabolites to extracellular vesicles. FEBS Letters, 2017, 591, 3119-3134.	1.3	13
173	Immunometabolism and autoimmunity. Current Opinion in Immunology, 2020, 67, 10-17.	2.4	13
174	MiR-142-3p regulates synaptopathy-driven disease progression in multiple sclerosis. Neuropathology and Applied Neurobiology, 2022, 48, .	1.8	13
175	The fine specificity of human T cell lines towards myelin basic protein peptides in southern italian multiple sclerosis patients. Clinical and Experimental Immunology, 2001, 123, 288-293.	1.1	12
176	Immunometabolic profiling of patients with multiple sclerosis identifies new biomarkers to predict disease activity during treatment with interferon beta-1a. Clinical Immunology, 2017, 183, 249-253.	1.4	11
177	Increased frequency of regulatory T cells in pediatric inflammatory bowel disease at diagnosis: a compensative role?. Pediatric Research, 2020, 87, 853-861.	1.1	11
178	Participation to Leisure Activities and Well-Being in a Group of Residents of Naples-Italy: The Role of Resilience. International Journal of Environmental Research and Public Health, 2020, 17, 1895.	1.2	11
179	Human Trisomic iPSCs from Down Syndrome Fibroblasts Manifest Mitochondrial Alterations Early during Neuronal Differentiation. Biology, 2021, 10, 609.	1.3	11
180	Aspirin reduces the outcome of anticancer therapy in Meth A-bearing mice through activation of AKT-glycogen synthase kinase signaling. Molecular Cancer Therapeutics, 2006, 5, 1318-1324.	1.9	10

#	ARTICLE	IF	CITATIONS
181	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.	2.1	10
182	SARS-CoV-2 meta-interactome suggests disease-specific, autoimmune pathophysiologies and therapeutic targets. <i>F1000Research</i> , 2020, 9, 992.	0.8	10
183	Effects of human immunodeficiency virus type 1 on CD4 lymphocyte subset activation. <i>European Journal of Immunology</i> , 1999, 29, 1879-1889.	1.6	9
184	Immune responses in obesity models. <i>Drug Discovery Today: Disease Models</i> , 2005, 2, 177-181.	1.2	9
185	PTX3: an inflammatory protein modulating ultrastructure and bioenergetics of human endothelial cells. <i>Immunity and Ageing</i> , 2019, 16, 4.	1.8	9
186	Immunometabolism of regulatory T cells in cancer. <i>Molecular Aspects of Medicine</i> , 2021, 77, 100936.	2.7	9
187	Effects of Resveratrol on p66Shc phosphorylation in cultured prostate cells. <i>Translational Medicine @ UniSa</i> , 2015, 13, 47-58.	0.8	9
188	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.	1.3	8
189	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.	1.2	8
190	Glatiramer 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.	1.6	8
191	The folate way to T cell fate. <i>Immunity</i> , 2022, 55, 1-3.	6.6	8
192	Leptin as Clinical Target. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2009, 3, 160-166.	3.9	7
193	Leptin in Non-Autoimmune Inflammation. <i>Inflammation and Allergy: Drug Targets</i> , 2009, 8, 285-291.	1.8	7
194	Steps towards Collective Sustainability in Biomedical Research. <i>Trends in Molecular Medicine</i> , 2018, 24, 429-432.	3.5	7
195	Metabolomics, Lipidomics, and Immunometabolism. <i>Methods in Molecular Biology</i> , 2021, 2285, 319-328.	0.4	7
196	Estimating asymptomatic SARS-CoV-2 infections in a geographic area of low disease incidence. <i>BMC Infectious Diseases</i> , 2021, 21, 350.	1.3	7
197	"Eczemas" and leptin. <i>Dermatitis</i> , 2011, 22, 320-3.	0.8	7
198	CD8+ T cells specific for cryptic apoptosis-associated epitopes exacerbate experimental autoimmune encephalomyelitis. <i>Cell Death and Disease</i> , 2021, 12, 1026.	2.7	6

#	ARTICLE	IF	CITATIONS
199	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.	1.0	5
200	CD4+ T Cell Defects in a Mulibrey Patient With Specific TRIM37 Mutations. <i>Frontiers in Immunology</i> , 2020, 11, 1742.	2.2	5
201	Modulation of CD45 tyrosine phosphatase activity by antigen. <i>European Journal of Immunology</i> , 2001, 31, 777-782.	1.6	4
202	Leptin in intestinal inflammation: good and bad gut feelings. <i>Gut</i> , 2004, 53, 921-922.	6.1	4
203	Ob-Stopping Obesity, Metabolic and Immune-Mediated Disorders. <i>Structure</i> , 2012, 20, 385-387.	1.6	4
204	The Sweet Kiss Breaching Immunological Self-Tolerance. <i>Trends in Molecular Medicine</i> , 2019, 25, 819-820.	3.5	4
205	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.	1.1	4
206	Where Mitochondria Meet Autoimmunity: The Treg Cell Link. <i>Cell Metabolism</i> , 2020, 32, 507-509.	7.2	4
207	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.	2.2	4
208	A novel smaller defensin-derived peptide is active against multidrug-resistant bacterial strains. <i>FASEB Journal</i> , 2021, 35, e22026.	0.2	4
209	DNA vaccine encoding heat shock protein 90 protects from murine lupus. <i>Arthritis Research and Therapy</i> , 2020, 22, 152.	1.6	3
210	CD4+ T-Cell Activation Prompts Suppressive Function by Extracellular Vesicle-Associated MicroRNAs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 753884.	1.8	3
211	Obesity and Inflammation. , 2016, , 1017-1029.		2
212	Reimagining an immunological dogma. <i>Nature Immunology</i> , 2021, 22, 1355-1358.	7.0	2
213	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.	2.9	2
214	Leptin in Autoimmune Diseases. , 2007, , 91-100.		1
215	Serafino Zappacosta: An Enlightened Mentor and Educator. <i>Frontiers in Immunology</i> , 2020, 11, 217.	2.2	1
216	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, , .	1.0	1

#	ARTICLE	IF	CITATIONS
217	The Role of Leptin in the Cell-Mediated Immune Response and T Lymphocyte Development. Clinical Science, 1999, 97, 10P-10P.	0.0	0
218	Editorial [Hot Topic: Interface between the Immune and Metabolic Regulation (Guest Editor: Giuseppe) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	0
219	Adipokines, Metabolism and the Immune Response in the Regulation of Inflammation. Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents, 2005, 4, 619-624.	0.4	0
220	Enrichment of KIR+CD57+ highly cytotoxic NK cells in sentinel lymph nodes of melanoma patients. Journal of Translational Medicine, 2014, 12, P10.	1.8	0
221	FRI0036â€¦Meta-Immunological Profiling of Patients with Behçet's Disease Reveals Novel Biomarkers of Disease Activity, Progression and Response To Therapy: Table 1.. Annals of the Rheumatic Diseases, 2016, 75, 438.3-439.	0.5	0
222	Hormonal control of trained immunity: aldosterone at the crossroad between activation of innate immunity and cardiovascular diseases. Cardiovascular Research, 2019, 116, 256-257.	1.8	0
223	Divide and hide: proliferating Î²-cells control immune tolerance in autoimmune diabetes. Nature Metabolism, 2019, 1, 499-500.	5.1	0
224	AB1305â€¦EVALUATION OF SERUM LEVELS OF ASC FOR THE DIAGNOSIS AND MONITORING OF CRYOPYRIN ASSOCIATED PERIODIC SYNDROMES (CAPS). , 2019, , .		0
225	Complex interface between immunity and metabolism: The lung as a target organ. , 2019, , 23-43.		0
226	Novel acquisitions in cell immunometabolism. Molecular Aspects of Medicine, 2021, 77, 100945.	2.7	0
227	Leptin and Immune Function, Inflammation and Angiogenesis. Growth Hormone, 2006, , 125-138.	0.2	0
228	Obesity and Inflammation. , 2013, , 1-14.		0
229	Circulating intercellular adhesion molecule 1 (sICAM-1) in tumour necrosis factor receptor-associated periodic syndrome (TRAPS). Clinical and Experimental Rheumatology, 2017, 35 Suppl 104, 13-14.	0.4	0