

# Thomas Weichhart

## List of Publications by Year in descending order

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84  
papers

6,322  
citations

87888

38  
h-index

69250

77  
g-index

86  
all docs

86  
docs citations

86  
times ranked

10202  
citing authors

#	ARTICLE	IF	CITATIONS
1	The TSC-mTOR Signaling Pathway Regulates the Innate Inflammatory Response. <i>Immunity</i> , 2008, 29, 565-577.	14.3	687
2	Regulation of innate immune cell function by mTOR. <i>Nature Reviews Immunology</i> , 2015, 15, 599-614.	22.7	612
3	mTOR as Regulator of Lifespan, Aging, and Cellular Senescence: A Mini-Review. <i>Gerontology</i> , 2018, 64, 127-134.	2.8	326
4	The multiple facets of mTOR in immunity. <i>Trends in Immunology</i> , 2009, 30, 218-226.	6.8	241
5	The PI3K/Akt/mTOR pathway in innate immune cells: emerging therapeutic applications. <i>Annals of the Rheumatic Diseases</i> , 2008, 67, iii70-iii74.	0.9	240
6	A Versatile Role of Mammalian Target of Rapamycin in Human Dendritic Cell Function and Differentiation. <i>Journal of Immunology</i> , 2010, 185, 3919-3931.	0.8	205
7	Serum Amyloid A in Uremic HDL Promotes Inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 934-947.	6.1	194
8	mTORC1 and mTORC2 as regulators of cell metabolism in immunity. <i>FEBS Letters</i> , 2017, 591, 3089-3103.	2.8	194
9	Tamm-Horsfall glycoprotein links innate immune cell activation with adaptive immunity via a Toll-like receptor-4-dependent mechanism. <i>Journal of Clinical Investigation</i> , 2005, 115, 468-475.	8.2	193
10	Chronic signaling via the metabolic checkpoint kinase mTORC1 induces macrophage granuloma formation and marks sarcoidosis progression. <i>Nature Immunology</i> , 2017, 18, 293-302.	14.5	191
11	The Multifunctional Role of mTOR in Innate Immunity: Implications for Transplant Immunity. <i>American Journal of Transplantation</i> , 2009, 9, 2655-2661.	4.7	187
12	Neutralization of Osteopontin Inhibits Obesity-Induced Inflammation and Insulin Resistance. <i>Diabetes</i> , 2010, 59, 935-946.	0.6	170
13	Osteopontin Expression in Human and Murine Obesity: Extensive Local Up-Regulation in Adipose Tissue but Minimal Systemic Alterations. <i>Endocrinology</i> , 2008, 149, 1350-1357.	2.8	136
14	Tamm-Horsfall glycoprotein links innate immune cell activation with adaptive immunity via a Toll-like receptor-4-dependent mechanism. <i>Journal of Clinical Investigation</i> , 2005, 115, 468-475.	8.2	131
15	Iron Regulation: Macrophages in Control. <i>Pharmaceuticals</i> , 2018, 11, 137.	3.8	124
16	Prevention of high-fat diet-induced adipose tissue remodeling in obese diabetic mice by n-3 polyunsaturated fatty acids. <i>International Journal of Obesity</i> , 2007, 31, 1004-1013.	3.4	121
17	Inhibition of mTOR blocks the anti-inflammatory effects of glucocorticoids in myeloid immune cells. <i>Blood</i> , 2011, 117, 4273-4283.	1.4	121
18	Current concepts of molecular defence mechanisms operative during urinary tract infection. <i>European Journal of Clinical Investigation</i> , 2008, 38, 29-38.	3.4	115

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19	PDGFR blockade is a rational and effective therapy for NPM-ALK-driven lymphomas. <i>Nature Medicine</i> , 2012, 18, 1699-1704.	30.7	113
20	Toll-like receptors and chondrocytes: The lipopolysaccharide-induced decrease in cartilage matrix synthesis is dependent on the presence of toll-like receptor 4 and antagonized by bone morphogenetic protein 7. <i>Arthritis and Rheumatism</i> , 2007, 56, 1880-1893.	6.7	108
21	Mammalian Target of Rapamycin: A Signaling Kinase for Every Aspect of Cellular Life. <i>Methods in Molecular Biology</i> , 2012, 821, 1-14.	0.9	107
22	Effects of Interferons and Viruses on Metabolism. <i>Frontiers in Immunology</i> , 2016, 7, 630.	4.8	96
23	mTOR-Mediated Regulation of Dendritic Cell Differentiation and Function. <i>Trends in Immunology</i> , 2016, 37, 778-789.	6.8	93
24	Apoptotic cell-free DNA promotes inflammation in haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 902-905.	0.7	83
25	The versatility of HDL: a crucial anti-inflammatory regulator. <i>European Journal of Clinical Investigation</i> , 2010, 40, 1131-1143.	3.4	77
26	Tamm-Horsfall protein: a multilayered defence molecule against urinary tract infection. <i>European Journal of Clinical Investigation</i> , 2005, 35, 227-235.	3.4	75
27	Immune responses of macrophages and dendritic cells regulated by mTOR signalling. <i>Biochemical Society Transactions</i> , 2013, 41, 927-933.	3.4	72
28	CMV Late Phase-Induced mTOR Activation Is Essential for Efficient Virus Replication in Polarized Human Macrophages. <i>American Journal of Transplantation</i> , 2012, 12, 1458-1468.	4.7	64
29	Functional Selection of Vaccine Candidate Peptides from <i>Staphylococcus aureus</i> Whole-Genome Expression Libraries In Vitro. <i>Infection and Immunity</i> , 2003, 71, 4633-4641.	2.2	62
30	mTOR Senses Environmental Cues to Shape the Fibroblast-like Synoviocyte Response to Inflammation. <i>Cell Reports</i> , 2018, 23, 2157-2167.	6.4	62
31	Effect of the Proteasome Inhibitor Bortezomib on Humoral Immunity in Two Presensitized Renal Transplant Candidates. <i>Transplantation</i> , 2010, 89, 1385-1390.	1.0	60
32	Sarcoidosis and the mTOR, Rac1, and Autophagy Triad. <i>Trends in Immunology</i> , 2020, 41, 286-299.	6.8	59
33	Quantification of HDL Proteins, Cardiac Events, and Mortality in Patients with Type 2 Diabetes on Hemodialysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 224-231.	4.5	54
34	Metabolic Programming of Macrophages: Implications in the Pathogenesis of Granulomatous Disease. <i>Frontiers in Immunology</i> , 2019, 10, 2265.	4.8	53
35	Inverse Data-Driven Modeling and Multiomics Analysis Reveals Phgdh as a Metabolic Checkpoint of Macrophage Polarization and Proliferation. <i>Cell Reports</i> , 2020, 30, 1542-1552.e7.	6.4	52
36	A New Immunomodulatory Role for Peroxisomes in Macrophages Activated by the TLR4 Ligand Lipopolysaccharide. <i>Journal of Immunology</i> , 2017, 198, 2414-2425.	0.8	45

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37	HDL Cholesterol Efflux Does Not Predict Cardiovascular Risk in Hemodialysis Patients. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 769-775.	6.1	45
38	Exome sequencing and pathogenicity-network analysis of five French families implicate mTOR signalling and autophagy in familial sarcoidosis. <i>European Respiratory Journal</i> , 2019, 54, 1900430.	6.7	43
39	Current Insights in Genetics of Sarcoidosis: Functional and Clinical Impacts. <i>Journal of Clinical Medicine</i> , 2020, 9, 2633.	2.4	43
40	HDL Cholesterol Efflux Capacity and Cardiovascular Events. <i>New England Journal of Medicine</i> , 2015, 372, 1869-1872.	27.0	38
41	Restoration of Renal Function Does Not Correct Impairment of Uremic HDL Properties. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 565-575.	6.1	37
42	Environmental arginine controls multinuclear giant cell metabolism and formation. <i>Nature Communications</i> , 2020, 11, 431.	12.8	37
43	Identification of the scavenger receptors SREC-I, Cla-1 (SR-BI), and SR-AI as cellular receptors for Tamm-Horsfall protein. <i>Journal of Leukocyte Biology</i> , 2008, 83, 131-138.	3.3	33
44	A kinase-independent role for CDK8 in BCR-ABL1+ leukemia. <i>Nature Communications</i> , 2019, 10, 4741.	12.8	33
45	Drug-induced pneumonitis in cancer patients treated with mTOR inhibitors: management and insights into possible mechanisms. <i>Expert Opinion on Drug Safety</i> , 2014, 13, 361-372.	2.4	30
46	Antithymocyte Globulin Impairs T-Cell/Antigen-Presenting Cell Interaction: Disruption of Immunological Synapse and Conjugate Formation. <i>Transplantation</i> , 2007, 84, 117-121.	1.0	28
47	p38 $\beta$ Senses Environmental Stress To Control Innate Immune Responses via Mechanistic Target of Rapamycin. <i>Journal of Immunology</i> , 2013, 190, 1519-1527.	0.8	27
48	Whole exome sequencing in three families segregating a pediatric case of sarcoidosis. <i>BMC Medical Genomics</i> , 2018, 11, 23.	1.5	26
49	The multiple functions of Tamm-Horsfall protein in human health and disease: A mystery clears up. <i>Wiener Klinische Wochenschrift</i> , 2005, 117, 316-322.	1.9	25
50	Late onset <i>Pneumocystis</i> pneumonia in renal transplantation after long-term immunosuppression with belatacept. <i>Transplant Infectious Disease</i> , 2009, 11, 171-174.	1.7	25
51	The PI3K pathway preserves metabolic health through MARCO-dependent lipid uptake by adipose tissue macrophages. <i>Nature Metabolism</i> , 2020, 2, 1427-1442.	11.9	24
52	Impairment of T cell interactions with antigen-presenting cells by immunosuppressive drugs reveals involvement of calcineurin and NF- $\kappa$ B in immunological synapse formation. <i>Journal of Leukocyte Biology</i> , 2007, 81, 319-327.	3.3	20
53	Sirolimus in renal transplant recipients with tuberous sclerosis complex: clinical effectiveness and implications for innate immunity. <i>Transplant International</i> , 2010, 23, 777-785.	1.6	20
54	24-Norursodeoxycholic acid reshapes immunometabolism in CD8+ T cells and alleviates hepatic inflammation. <i>Journal of Hepatology</i> , 2021, 75, 1164-1176.	3.7	20

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55	Hereditary amyloidosis caused by R554L fibrinogen A $\alpha$ -chain mutation in a Spanish family and review of the literature. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2013, 20, 72-79.	3.0	19
56	Inhibition of mTOR down-regulates scavenger receptor, class B, type I (SR-BI) expression, reduces endothelial cell migration and impairs nitric oxide production. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 944-953.	2.4	19
57	Inactivation of mTORC2 in macrophages is a signature of colorectal cancer that promotes tumorigenesis. <i>JCI Insight</i> , 2019, 4, .	5.0	19
58	A randomized, placebo-controlled, double-blind, prospective trial to evaluate the effect of vildagliptin in new-onset diabetes mellitus after kidney transplantation. <i>Trials</i> , 2010, 11, 91.	1.6	16
59	Blood volume-monitored regulation of ultrafiltration in fluid-overloaded hemodialysis patients: study protocol for a randomized controlled trial. <i>Trials</i> , 2012, 13, 79.	1.6	15
60	mTORC1 Is Essential for Early Steps during Schwann Cell Differentiation of Amniotic Fluid Stem Cells and Regulates Lipogenic Gene Expression. <i>PLoS ONE</i> , 2014, 9, e107004.	2.5	15
61	The anti-inflammatory potency of dexamethasone is determined by the route of application in vivo. <i>Immunology Letters</i> , 2010, 129, 50-52.	2.5	14
62	Rapid isolation of nuclei from living immune cells by a single centrifugation through a multifunctional lysis gradient. <i>Journal of Immunological Methods</i> , 2011, 373, 167-173.	1.4	13
63	Effects of the mTOR inhibitor everolimus and the PI3K/mTOR inhibitor NVP-BEZ235 in murine acute lung injury models. <i>Transplant Immunology</i> , 2015, 33, 45-50.	1.2	11
64	Metabolic and immunologic control of intestinal cell function by mTOR. <i>International Immunology</i> , 2020, 32, 455-465.	4.0	10
65	High expression of mTOR signaling in granulomatous lesions is not predictive for the clinical course of sarcoidosis. <i>Respiratory Medicine</i> , 2021, 177, 106294.	2.9	10
66	Targeting the dysregulated mammalian target of rapamycin pathway in organ transplantation: killing 2 birds with 1 stone. <i>Transplantation Reviews</i> , 2011, 25, 145-153.	2.9	8
67	Uncovering host defences in the urinary tract: cathelicidin and beyond. <i>Nephrology Dialysis Transplantation</i> , 2006, 22, 347-349.	0.7	7
68	T Helper Cell Differentiation: Understanding the Needs of Hierarchy. <i>Immunity</i> , 2010, 32, 727-729.	14.3	7
69	Applied immuno-epidemiological research: an approach for integrating existing knowledge into the statistical analysis of multiple immune markers. <i>BMC Immunology</i> , 2016, 17, 11.	2.2	7
70	mTOR-dependent immunometabolism as Achilles' heel of anticancer therapy. <i>European Journal of Immunology</i> , 2021, .	2.9	7
71	Pro- versus Anti-inflammatory Actions of HDLs in Innate Immunity. <i>Cell Metabolism</i> , 2017, 26, 2-3.	16.2	6
72	New advances in the development of sarcoidosis models: a synopsis of a symposium sponsored by the Foundation for Sarcoidosis Research. <i>Sarcoidosis Vasculitis and Diffuse Lung Diseases</i> , 2018, 35, 2-4.	0.2	6

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73	A fungal antigenic driver for Löfgrens syndrome sarcoidosis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	5
74	Lysis Gradient Centrifugation: A Flexible Method for the Isolation of Nuclei from Primary Cells. <i>Methods in Molecular Biology</i> , 2015, 1228, 15-23.	0.9	5
75	PTX3 Inhibits Complement-Driven Macrophage Activation to Restrain Granuloma Formation in Sarcoidosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 0, , .	5.6	5
76	TORching a semaphore for alternative macrophage activation. <i>Nature Immunology</i> , 2018, 19, 512-514.	14.5	4
77	p38 regulates the tumor suppressor PDCD4 via the TSC-mTORC1 pathway. <i>Cell Stress</i> , 2021, 5, 176-182.	3.2	4
78	Biological Action of Rapamycin in Renal Transplantation. <i>American Journal of Kidney Diseases</i> , 2008, 51, 531.	1.9	3
79	Sirolimus and Kidney Transplantation: Unraveling an Inflammatory Affair. <i>American Journal of Transplantation</i> , 2010, 10, 2569-2570.	4.7	3
80	Activation of Downstream mTORC1 Target Ribosomal Protein S6 Kinase (S6K) Can Be Found in a Subgroup of Dutch Patients with Granulomatous Pulmonary Disease. <i>Cells</i> , 2021, 10, 3545.	4.1	2
81	Pharmacological inhibition of the mTOR pathway alters phenotype and cytokine expression in bovine monocyte-derived dendritic cells. <i>Veterinary Immunology and Immunopathology</i> , 2022, , 110441.	1.2	1
82	A2.6â€¦MTOR plays a decisive role in the mesenchymal tissue response to inflammation in arthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, A18.1-A18.	0.9	0
83	04.05â€¦The metabolic checkpoint kinase mtor regulates the rheumatoid mesenchymal tissue response to inflammation. , 2017, , .		0
84	HDL-Proteine sind mit kardiovaskulÃrem Risiko und MortalitÃt bei Patienten mit Typ 2-Diabetes an der HÃmodialyse assoziiert. <i>Nieren- Und Hochdruckkrankheiten</i> , 2015, 44, 159-165.	0.0	0