Thomas Walther

List of Publications by Year
in descending order

70 papers	4,449 citations	159585 30 h-index	102487 66 g-index
70 all docs	70 docs citations	70 times ranked	4834 citing authors

#	Article	IF	Citations
1	Angiotensin-(1â€“7) is an endogenous ligand for the G protein-coupled receptor Mas. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8258-8263.	7.1	1,555
2	G-Proteinâ€“Coupled Receptor Mas Is a Physiological Antagonist of the Angiotensin II Type 1 Receptor. Circulation, 2005, 111, 1806-1813.	1.6	346
3	Angiotensin(1-7) Blunts Hypertensive Cardiac Remodeling by a Direct Effect on the Heart. Circulation Research, 2008, 103, 1319-1326.	4.5	206
4	Sustained Long Term Potentiation and Anxiety in Mice Lacking theMas Protooncogene. Journal of Biological Chemistry, 1998, 273, 11867-11873.	3.4	185
5	Angiotensin-(1â€“7) and the G Protein-Coupled Receptor Mas Are Key Players in Renal Inflammation. PLoS ONE, 2009, 4, e5406.	2.5	117
6	Expert consensus document on the management of hyperkalaemia in patients with cardiovascular disease treated with renin angiotensin aldosterone system inhibitors: coordinated by the Working Group on Cardiovascular Pharmacotherapy of the European Society of Cardiology. European Heart Journal - Cardiovascular Pharmacotherapy, 2018, 4, 180-188.	3.0	113
7	Differential regulation of in vivo angiogenesis by angiotensin II receptors. FASEB Journal, 2003, 17, 2061-2067.	0.5	110
8	Human Minimally Invasive Off-Pump Valve-in-a-Valve Implantation. Annals of Thoracic Surgery, 2008, 85, 1072-1073.	1.3	109
9	G-Proteinâ€“Coupled Receptor MrgD Is a Receptor for Angiotensin-(1â€“7) Involving Adenylyl Cyclase, cAMP, and Phosphokinase A. Hypertension, 2016, 68, 185-194.	2.7	109
10	Angiotensin-(1â€“7) Protects From Experimental Acute Lung Injury. Critical Care Medicine, 2013, 41, e334-e343.	0.9	101
11	Circulating Rather Than Cardiac Angiotensin-(1-7) Stimulates Cardioprotection After Myocardial Infarction. Circulation: Heart Failure, 2010, 3, 286-293.	3.9	77
12	Endothelial dysfunction through genetic deletion or inhibition of the G protein-coupled receptor Mas: a new target to improve endothelial function. Journal of Hypertension, 2007, 25, 2421-2425.	0.5	74
13	Successive Action of Meprin A and Neprilysin Catabolizes B-Type Natriuretic Peptide. Circulation Research, 2007, 101, 875-882.	4.5	72
14	Interaction Between Mas and the Angiotensin AT1 Receptor in the Amygdala. Journal of Neurophysiology, 2000, 83, 2012-2021.	1.8	70
15	Upregulation of bradykinin B1-receptor expression after myocardial infarction. British Journal of Pharmacology, 2000, 129, 1537-1538.	5.4	57
16	Angiotensin receptors and Î²-catenin regulate brain endothelial integrity in malaria. Journal of Clinical Investigation, 2016, 126, 4016-4029.	8.2	52
17	Impaired spatial memory and altered dendritic spine morphology in angiotensin II type 2 receptor-deficient mice. Journal of Molecular Medicine, 2008, 86, 563-571.	3.9	49
18	Rare Variants in MME, Encoding Metalloprotease Neprilysin, Are Linked to Late-Onset Autosomal-Dominant Axonal Polyneuropathies. American Journal of Human Genetics, 2016, 99, 607-623.	6.2	47

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19	Plasma ACE2 Activity is an Independent Prognostic Marker in Chagas' Disease and Equally Potent as BNP. Journal of Cardiac Failure, 2010, 16, 157-163.	1.7	45
20	Structural Substrate Conditions Required for Neutral Endopeptidase-Mediated Natriuretic Peptide Degradation. Journal of Molecular Biology, 2009, 393, 496-503.	4.2	43
21	Pressor and Renal Hemodynamic Effects of the Novel Angiotensin A Peptide Are Angiotensin II Type 1A Receptor Dependent. Hypertension, 2011, 57, 956-964.	2.7	42
22	Sex specific behavioural alterations in Mas-deficient mice. Behavioural Brain Research, 2000, 107, 105-109.	2.2	40
23	Comprehensive efforts to increase adherence to statin therapy. European Heart Journal, 2017, 38, ehw628.	2.2	40
24	Cell Type-specific Expression of the Mas Proto-oncogene in Testis. Journal of Histochemistry and Cytochemistry, 2002, 50, 691-695.	2.5	37
25	Catabolic attacks of membrane-bound angiotensin-converting enzyme on the N-terminal part of species-specific amyloid-Î² peptides. European Journal of Pharmacology, 2008, 588, 18-25.	3.5	35
26	The Angiotensin-(1â€“7)/Mas Axis Improves Pancreatic Î²-Cell Function in Vitro and in Vivo. Endocrinology, 2016, 157, 4677-4690.	2.8	35
27	Mas receptor is involved in the estrogen-receptor induced nitric oxide-dependent vasorelaxation. Biochemical Pharmacology, 2017, 129, 67-72.	4.4	34
28	Renal vasoconstrictor and pressor responses to angiotensin IV in mice are AT1a-receptor mediated. Journal of Hypertension, 2010, 28, 487-494.	0.5	32
29	Natriuretic peptide system in fetal heart and circulation. Journal of Hypertension, 2002, 20, 785-791.	0.5	31
30	The High Blood Pressure-Malaria Protection Hypothesis. Circulation Research, 2016, 119, 1071-1075.	4.5	31
31	Improved Learning and Memory in Aged Mice Deficient in Amyloid Î²-Degrading Neutral Endopeptidase. PLoS ONE, 2009, 4, e4590.	2.5	30
32	ACE2 abrogates tumor resistance to VEGFR inhibitors suggesting angiotensin-(1-7) as a therapy for clear cell renal cell carcinoma. Science Translational Medicine, 2021, 13, .	12.4	29
33	Hemodynamic Effects of the Non-Peptidic Angiotensin-(1-7) Agonist AVE0991 in Liver Cirrhosis. PLoS ONE, 2015, 10, e0138732.	2.5	29
34	Complete blockade of the vasorelaxant effects of angiotensinâ€(1â€“7) and bradykinin in murine microvessels by antagonists of the receptor Mas. Journal of Physiology, 2013, 591, 2275-2285.	2.9	28
35	Doseâ€Dependent, Therapeutic Potential of Angiotensinâ€(1â€“7) for the Treatment of Pulmonary Arterial Hypertension. Pulmonary Circulation, 2015, 5, 649-657.	1.7	28
36	Therapeutic time window for angiotensinâ€(1â€“7) in acute lung injury. British Journal of Pharmacology, 2016, 173, 1618-1628.	5.4	28

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37	Oestrogen-mediated upregulation of the Mas receptor contributes to sex differences in acute lung injury and lung vascular barrier regulation. European Respiratory Journal, 2021, 57, 2000921.	6.7	28
38	Fibrosis rather than blood pressure determines cardiac BNP expression in mice. Regulatory Peptides, 2003, 116, 95-100.	1.9	26
39	Biochemical analysis of neutral endopeptidase activity reveals independent catabolism of atrial and brain natriuretic peptide. Biological Chemistry, 2004, 385, 179-84.	2.5	26
40	Angiotensin-(1-7) counteracts the transforming effects triggered by angiotensin II in breast cancer cells. Oncotarget, 2017, 8, 88475-88487.	1.8	26
41	AT1 receptor blockade increases cardiac bradykinin via neutral endopeptidase after induction of myocardial infarction in rats. FASEB Journal, 2002, 16, 1237-1241.	0.5	23
42	Relation of ANP and BNP to their N-terminal fragments in fetal circulation: evidence for enhanced neutral endopeptidase activity and resistance of BNP to neutral endopeptidase in the fetus. BJOG: an International Journal of Obstetrics and Gynaecology, 2004, 111, 452-455.	2.3	23
43	Prognostic Value of Natriuretic Peptides in Chagasâ€™ Disease: A 3-Year Follow-Up Investigation. Cardiology, 2008, 110, 217-225.	1.4	23
44	Decarboxylation of Ang-(1â€“7) to Ala1-Ang-(1â€“7) leads to significant changes in pharmacodynamics. European Journal of Pharmacology, 2018, 833, 116-123.	3.5	23
45	Imprinting of the Murine Mas Protooncogene Is Restricted to Its Antisense RNA. Biochemical and Biophysical Research Communications, 2002, 290, 1072-1078.	2.1	18
46	Angiotensin-(1-7)â€”A Potential Remedy for AKI: Insights Derived from the COVID-19 Pandemic. Journal of Clinical Medicine, 2021, 10, 1200.	2.4	18
47	Prognostic value of circulating levels of stem cell growth factor beta (SCGF beta) in patients with Chagasâ€™ disease and idiopathic dilated cardiomyopathy. Cytokine, 2013, 61, 728-731.	3.2	16
48	Non-insulin antidiabetic pharmacotherapy in patients with established cardiovascular disease: a position paper of the European Society of Cardiology Working Group on Cardiovascular Pharmacotherapy. European Heart Journal, 2018, 39, 2274-2281.	2.2	16
49	Fetal, neonatal cord, and maternal plasma concentrations of angiotensin-converting enzyme (ACE). Prenatal Diagnosis, 2002, 22, 111-113.	2.3	14
50	Identification of intracellular proteins and signaling pathways in human endothelial cells regulated by angiotensin-(1â€“7). Journal of Proteomics, 2016, 130, 129-139.	2.4	11
51	Cardiovascular variability before and after delivery: recovery from arterial stiffness in women with preeclampsia 4â€‰days post partum. Hypertension in Pregnancy, 2014, 33, 1-14.	1.1	10
52	TGR(mREN2)27 rats develop non-alcoholic fatty liver disease-associated portal hypertension responsive to modulations of Janus-kinase 2 and Mas receptor. Scientific Reports, 2019, 9, 11598.	3.3	10
53	Neprilysin degrades murine Amyloid-Î² (AÎ²) more efficiently than human AÎ²: Further implication for species-specific amyloid accumulation. Neuroscience Letters, 2018, 686, 74-79.	2.1	9
54	Prognostic Significance of Circulating Levels of Hepatocyte Growth Factor in Patients with Chagasâ€™ Disease and Idiopathic Dilated Cardiomyopathy. Cardiology, 2012, 121, 240-246.	1.4	7

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55	Short-Term Western Diet Aggravates Non-Alcoholic Fatty Liver Disease (NAFLD) With Portal Hypertension in TGR(mREN2)27 Rats. International Journal of Molecular Sciences, 2020, 21, 3308.	4.1	7
56	Donâ€™t judge too RAShly: the multifaceted role of the renin-angiotensin system and its therapeutic potential in COVID-19. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1023-L1024.	2.9	6
57	Does the Aminopeptidase A Have Prognostic and Diagnostic Value in Chagas Disease and Other Dilated Cardiomyopathies?. Journal of Cardiovascular Pharmacology, 2011, 58, 374-379.	1.9	5
58	Chimeric natriuretic peptide ACNP stimulates both natriuretic peptide receptors, the NPRA and NPRB. Molecular and Cellular Endocrinology, 2013, 366, 117-123.	3.2	5
59	Beta Blockers Prevent Correlation of Plasma ACE2 Activity With Echocardiographic Parameters in Patients With Idiopathic Dilated Cardiomyopathy. Journal of Cardiovascular Pharmacology, 2015, 65, 8-12.	1.9	5
60	Reverse remodeling of cardiac collagen protein expression after surgical therapy for experimental aortic stenosis. Journal of Heart Valve Disease, 2006, 15, 651-6.	0.5	5
61	Angiotensin II and the Amygdala. Annals of the New York Academy of Sciences, 2003, 985, 498-500.	3.8	4
62	Measurement of multiple cytokines for discrimination and risk stratification in patients with Chagasâ€™ disease and idiopathic dilated cardiomyopathy. PLoS Neglected Tropical Diseases, 2021, 15, e0008906.	3.0	4
63	Localization and expression of the Mas-related G-protein coupled receptor member D (MrgD) in the mouse brain. Heliyon, 2021, 7, e08440.	3.2	4
64	Role of Monokine Induced by Interferon Gamma in Discrimination and Prognosis of Patients With Chagas' Disease and Idiopathic Dilated Cardiomyopathy. Journal of Cardiovascular Pharmacology, 2016, 67, 427-432.	1.9	3
65	Further intracellular proteins and signaling pathways regulated by angiotensin-(1â€“7) in human endothelial cells. Data in Brief, 2017, 10, 354-363.	1.0	2
66	The virtually mature Bâ€type natriuretic peptide (BNP1â€32) is a precursor for the more effective BNP1â€30. British Journal of Pharmacology, 2020, 177, 1424-1433.	5.4	2
67	Combining VEGF receptor inhibitors and angiotensin-(1â€“7) to target renal cell carcinoma. Molecular and Cellular Oncology, 2021, 8, 1918529.	0.7	2
68	Multiple non-coding exons and alternative splicing in the mouse Mas protooncogene. Gene, 2015, 568, 155-164.	2.2	1
69	Treatment with Angiotensin-(1-7) Prevents Development of Oral Papilloma Induced in K-ras Transgenic Mice. International Journal of Molecular Sciences, 2022, 23, 3642.	4.1	1
70	Hemodynamic Assessment Using Apical Suction versus Pericardial Retraction in Beating Heart Surgery. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2008, 3, 125-130.	0.9	0