Attila Tth

List of Publications by Year in Descending Order

106 papers	3,102 citations	31 h-index	53 g-index
116 ext. papers	3,505 ext. citations	5.1 avg, IF	4.51 L-index

#	Paper	IF	Citations
106	TRPV1 in arteries enables a rapid myogenic tone.. *Journal of Physiology*, **2022**,	3.9	1
105	Cerebral venous congestion exacerbates cerebral microhemorrhages in mice.. *GeroScience*, **2022**, 1	8.9	1
104	Circulating ACE2 activity predicts mortality and disease severity in hospitalized COVID-19 patients. *International Journal of Infectious Diseases*, **2021**,	10.5	9
103	Changes in the SARS-CoV-2 cellular receptor ACE2 levels in cardiovascular patients: a potential biomarker for the stratification of COVID-19 patients. *GeroScience*, **2021**, 43, 2289-2304	8.9	5
102	Omecamtiv mecarbil evokes diastolic dysfunction and leads to periodic electromechanical alternans. *Basic Research in Cardiology*, **2021**, 116, 24	11.8	1
101	A dramatic rise in serum ACE2 activity in a critically ill COVID-19 patient. *International Journal of Infectious Diseases*, **2021**, 103, 412-414	10.5	40
100	Chitotriosidase gene polymorphisms and mutations limit the determination of chitotriosidase expression in sarcoidosis. *Clinica Chimica Acta*, **2021**, 513, 50-56	6.2	3
99	Level of the SARS-CoV-2 receptor ACE2 activity is highly elevated in old-aged patients with aortic stenosis: implications for ACE2 as a biomarker for the severity of COVID-19. *GeroScience*, **2021**, 43, 19-29	8.9	9
98	Human Tissue Angiotensin Converting Enzyme (ACE) Activity Is Regulated by Genetic Polymorphisms, Posttranslational Modifications, Endogenous Inhibitors and Secretion in the Serum, Lungs and Heart. *Cells*, **2021**, 10,	7.9	3
97	Bioactive Peptides from Liquid Milk Protein Concentrate by Sequential Tryptic and Microbial Hydrolysis. *Processes*, **2021**, 9, 1688	2.9	1
96	Prophylactic, single-drug cardioprotection in a comparative, experimental study of doxorubicin-induced cardiomyopathy. *Journal of Translational Medicine*, **2020**, 18, 470	8.5	2
95	Tenascin-C aggravates ventricular dilatation and angiotensin-converting enzyme activity after myocardial infarction in mice. *ESC Heart Failure*, **2020**, 7, 2113-2122	3.7	12
94	Combined application of angiotensin converting enzyme and chitotriosidase analysis improves the laboratory diagnosis of sarcoidosis. *Clinica Chimica Acta*, **2020**, 500, 155-162	6.2	12
93	Production of Liquid Milk Protein Concentrate with Antioxidant Capacity, Angiotensin Converting Enzyme Inhibitory Activity, Antibacterial Activity, and Hypoallergenic Property by Membrane Filtration and Enzymatic Modification of Proteins. *Processes*, **2020**, 8, 871	2.9	4
92	Heme-Induced Oxidation of Cysteine Groups of Myofilament Proteins Leads to Contractile Dysfunction of Permeabilized Human Skeletal Muscle Fibres. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
91	Glycogen phosphorylase inhibitor, 2,3-bis[(2E)-3-(4-hydroxyphenyl)prop-2-enamido] butanedioic acid (BF142), improves baseline insulin secretion of MIN6 insulinoma cells. *PLoS ONE*, **2020**, 15, e0236081	3.7	2
90	TRPV1 expressed throughout the arterial circulation regulates vasoconstriction and blood pressure. *Journal of Physiology*, **2020**, 598, 5639-5659	3.9	13

89	Olaparib induces browning of in vitro cultures of human primary white adipocytes. *Biochemical Pharmacology*, **2019**, 167, 76-85	6	11
88	The Drug Candidate BGP-15 Delays the Onset of Diastolic Dysfunction in the Goto-Kakizaki Rat Model of Diabetic Cardiomyopathy. *Molecules*, **2019**, 24,	4.8	12
87	Advantages of prophylactic versus conventionally scheduled heart failure therapy in an experimental model of doxorubicin-induced cardiomyopathy. *Journal of Translational Medicine*, **2019**, 17, 229	8.5	10
86	Treatment with the poly(ADP-ribose) polymerase inhibitor PJ-34 improves cerebromicrovascular endothelial function, neurovascular coupling responses and cognitive performance in aged mice, supporting the NAD+ depletion hypothesis of neurovascular aging. *GeroScience*, **2019**, 41, 533-542	8.9	56
85	Cerebral venous congestion promotes blood-brain barrier disruption and neuroinflammation, impairing cognitive function in mice. *GeroScience*, **2019**, 41, 575-589	8.9	22
84	Optimized angiotensin-converting enzyme activity assay for the accurate diagnosis of sarcoidosis. *Clinical Chemistry and Laboratory Medicine*, **2018**, 56, 1117-1125	5.9	7
83	Glycogen phosphorylase inhibition improves beta cell function. *British Journal of Pharmacology*, **2018**, 175, 301-319	8.6	32
82	Upregulation of Myocardial and Vascular Phosphodiesterase 9A in A Model of Atherosclerotic Cardiovascular Disease. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	6
81	Hemolyzed Blood Elicits a Calcium Antagonist and High CO Reversible Constriction via Elevation of [Ca] in Isolated Cerebral Arteries. *Journal of Neurotrauma*, **2017**, 34, 529-534	5.4	3
80	Myosin heavy chain and cardiac troponin T damage is associated with impaired myofibrillar ATPase activity contributing to sarcomeric dysfunction in Ca-paradox rat hearts. *Molecular and Cellular Biochemistry*, **2017**, 430, 57-68	4.2	3
79	Titin isoforms are increasingly protected against oxidative modifications in developing rat cardiomyocytes. *Free Radical Biology and Medicine*, **2017**, 113, 224-235	7.8	8
78	Frequency-dependent effects of omecamtiv mecarbil on cell shortening of isolated canine ventricular cardiomyocytes. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2017**, 390, 1239-1246	3.4	24
77	Long Term Osmotic Mini Pump Treatment with Alpha-MSH Improves Myocardial Function in Zucker Diabetic Fatty Rats. *Molecules*, **2017**, 22,	4.8	2
76	Radioanalytical methods for the measurement of melanin concentrating hormone (MCH) and detection its receptor in rat tissues. *Journal of Radioanalytical and Nuclear Chemistry*, **2016**, 310, 1325-1333	1.5	4
75	AMP-Activated Kinase (AMPK) Activation by AICAR in Human White Adipocytes Derived from Pericardial White Adipose Tissue Stem Cells Induces a Partial Beige-Like Phenotype. *PLoS ONE*, **2016**, 11, e0157644	3.7	25
74	The Beta-1-Receptor Blocker Nebivolol Elicits Dilation of Cerebral Arteries by Reducing Smooth Muscle [Ca2+]i. *PLoS ONE*, **2016**, 11, e0164010	3.7	3
73	Renin overexpression leads to increased titin-based stiffness contributing to diastolic dysfunction in hypertensive mRen2 rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H1671-82	5.2	18
72	Circulating ACE2 activity correlates with cardiovascular disease development. *JRAAS - Journal of the Renin-Angiotensin-Aldosterone System*, **2016**, 17,	3	56

71	ORM-3819 promotes cardiac contractility through Ca(2+) sensitization in combination with selective PDE III inhibition, a novel approach to inotropy. *European Journal of Pharmacology*, **2016**, 775, 120-9	5.3	3
70	Myeloperoxidase impairs the contractile function in isolated human cardiomyocytes. *Free Radical Biology and Medicine*, **2015**, 84, 116-127	7.8	7
69	Heme-induced contractile dysfunction in human cardiomyocytes caused by oxidant damage to thick filament proteins. *Free Radical Biology and Medicine*, **2015**, 89, 248-62	7.8	12
68	Myeloperoxidase evokes substantial vasomotor responses in isolated skeletal muscle arterioles of the rat. *Acta Physiologica*, **2015**, 214, 109-23	5.6	3
67	The novel cardiac myosin activator omecamtiv mecarbil increases the calcium sensitivity of force production in isolated cardiomyocytes and skeletal muscle fibres of the rat. *British Journal of Pharmacology*, **2015**, 172, 4506-4518	8.6	54
66	Myofilament protein carbonylation contributes to the contractile dysfunction in the infarcted LV region of mouse hearts. *Cardiovascular Research*, **2014**, 101, 108-19	9.9	17
65	New perspectives in the renin-angiotensin-aldosterone system (RAAS) III: endogenous inhibition of angiotensin converting enzyme (ACE) provides protection against cardiovascular diseases. *PLoS ONE*, **2014**, 9, e93719	3.7	13
64	Single acute stress-induced progesterone and ovariectomy alter cardiomyocyte contractile function in female rats. *Croatian Medical Journal*, **2014**, 55, 239-49	1.6	9
63	Vanilloid receptor-1 (TRPV1) expression and function in the vasculature of the rat. *Journal of Histochemistry and Cytochemistry*, **2014**, 62, 129-44	3.4	46
62	New perspectives in the renin-angiotensin-aldosterone system (RAAS) I: endogenous angiotensin converting enzyme (ACE) inhibition. *PLoS ONE*, **2014**, 9, e87843	3.7	16
61	New perspectives in the renin-angiotensin-aldosterone system (RAAS) II: albumin suppresses angiotensin converting enzyme (ACE) activity in human. *PLoS ONE*, **2014**, 9, e87844	3.7	24
60	New perspectives in the renin-angiotensin-aldosterone system (RAAS) IV: circulating ACE2 as a biomarker of systolic dysfunction in human hypertension and heart failure. *PLoS ONE*, **2014**, 9, e87845	3.7	60
59	Hydrogen peroxide elicits constriction of skeletal muscle arterioles by activating the arachidonic acid pathway. *PLoS ONE*, **2014**, 9, e103858	3.7	2
58	Different desensitization patterns for sensory and vascular TRPV1 populations in the rat: expression, localization and functional consequences. *PLoS ONE*, **2013**, 8, e78184	3.7	14
57	2-(4-Methylsulfonylaminophenyl) propanamide TRPV1 antagonists: Structure-activity relationships in the B and C-regions. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 1310-8	3.4	3
56	Cell-to-cell variability in troponin I phosphorylation in a porcine model of pacing-induced heart failure. *Basic Research in Cardiology*, **2012**, 107, 244	11.8	7
55	Differences in angiotensin convertase enzyme (ACE) activity and expression may contribute to shorter event free period after coronary artery bypass graft surgery. *Cardiovascular Therapeutics*, **2012**, 30, 136-44	3.3	1
54	Vascular metabolism of anandamide to arachidonic acid affects myogenic constriction in response to intraluminal pressure elevation. *Life Sciences*, **2012**, 90, 407-15	6.8	9

53	Thrittene radioimmunoassay: description and application of a novel method. *Journal of Radioanalytical and Nuclear Chemistry*, **2012**, 292, 113-118	1.5	3
52	Structure-activity relationships of vanilloid receptor agonists for arteriolar TRPV1. *British Journal of Pharmacology*, **2012**, 165, 1801-1812	8.6	30
51	Calcineurin regulates endothelial barrier function by interaction with and dephosphorylation of myosin phosphatase. *Cardiovascular Research*, **2012**, 96, 494-503	9.9	18
50	Insertion/deletion polymorphism of the angiotensin-converting enzyme predicts left ventricular hypertrophy after renal transplantation. *Transplantation Proceedings*, **2011**, 43, 1259-60	1.1	5
49	Beneficial effects of SR33805 in failing myocardium. *Cardiovascular Research*, **2011**, 91, 412-9	9.9	20
48	Poly(ADP-ribose) polymerase-2 depletion reduces doxorubicin-induced damage through SIRT1 induction. *Cardiovascular Research*, **2011**, 92, 430-8	9.9	47
47	Pathways mediating Ca2+ senzitization in basilar artery of the rat: feature and mechanisms. *FASEB Journal*, **2011**, 25, 1024.25	0.9	
46	Insertion/Deletion polymorphism of Angiotensin-converting enzyme as a risk factor for chronic allograft nephropathy. *Transplantation Proceedings*, **2010**, 42, 2304-8	1.1	4
45	Protein kinase C contributes to the maintenance of contractile force in human ventricular cardiomyocytes. *Journal of Biological Chemistry*, **2009**, 284, 1031-9	5.4	11
44	The peroxynitrite evoked contractile depression can be partially reversed by antioxidants in human cardiomyocytes. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 2200-2209	5.6	3
43	Conformationally constrained analogues of NR(4-tert-butylbenzyl)-N-(4-methylsulfonylaminobenzyl)thiourea as TRPV1 antagonists. *European Journal of Medicinal Chemistry*, **2009**, 44, 322-31	6.8	4
42	Non-vanillyl resiniferatoxin analogues as potent and metabolically stable transient receptor potential vanilloid 1 agonists. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 690-8	3.4	8
41	Anandamide and the vanilloid receptor (TRPV1). *Vitamins and Hormones*, **2009**, 81, 389-419	2.5	82
40	Stereospecific high-affinity TRPV1 antagonists: chiral N-(2-benzyl-3-pivaloyloxypropyl) 2-[4-(methylsulfonylamino)phenyl]propionamide analogues. *Journal of Medicinal Chemistry*, **2008**, 51, 57-67	8.3	28
39	Oxidation of myofilament protein sulfhydryl groups reduces the contractile force and its Ca2+ sensitivity in human cardiomyocytes. *Antioxidants and Redox Signaling*, **2008**, 10, 1175-84	8.4	41
38	Late-stage alterations in myofibrillar contractile function in a transgenic mouse model of dilated cardiomyopathy (Tgalphaq*44). *Journal of Molecular and Cellular Cardiology*, **2008**, 45, 363-72	5.8	11
37	Tissue-specific regulation of microvascular diameter: opposite functional roles of neuronal and smooth muscle located vanilloid receptor-1. *Molecular Pharmacology*, **2008**, 73, 1405-12	4.3	99
36	Differential modulation of agonist and antagonist structure activity relations for rat TRPV1 by cyclosporin A and other protein phosphatase inhibitors. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2008**, 377, 149-57	3.4	14

35	SEA0400 fails to alter the magnitude of intracellular Ca2+ transients and contractions in Langendorff-perfused guinea pig heart. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2008**, 378, 65-71	3.4	7
34	Heteroduplex analysis using flow cytometric microbead assays to detect deletions, insertions, and single-strand lesions. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2008**, 73, 238-45	4.6	2
33	Alpha-substituted N-(4-tert-butylbenzyl)-NR[4-(methylsulfonylamino)benzyl]thiourea analogues as potent and stereospecific TRPV1 antagonists. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 6043-53	3.4	24
32	Kinetics of penetration influence the apparent potency of vanilloids on TRPV1. *Molecular Pharmacology*, **2006**, 69, 1166-73	4.3	30
31	Phosphorylation-dependent desensitization by anandamide of vanilloid receptor-1 (TRPV1) function in rat skeletal muscle arterioles and in Chinese hamster ovary cells expressing TRPV1. *Molecular Pharmacology*, **2006**, 69, 1015-23	4.3	58
30	Mistyping of angiotensinogen M235T alleles. *Hypertension Research*, **2006**, 29, 197-201	4.7	8
29	High-fat diet-induced reduction in nitric oxide-dependent arteriolar dilation in rats: role of xanthine oxidase-derived superoxide anion. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 291, H2107-15	5.2	78
28	Activation of the poly(ADP-ribose) polymerase pathway in human heart failure. *Molecular Medicine*, **2006**, 12, 143-52	6.2	39
27	High intraluminal pressure reduces tachyphylaxis to angiotensin II in isolated arterioles. *FASEB Journal*, **2006**, 20, A306	0.9	
26	Expression and distribution of vanilloid receptor 1 (TRPV1) in the adult rat brain. *Molecular Brain Research*, **2005**, 135, 162-8		334
25	Different vanilloid agonists cause different patterns of calcium response in CHO cells heterologously expressing rat TRPV1. *Life Sciences*, **2005**, 76, 2921-32	6.8	40
24	Analysis of structure-activity relationships for the RB-regionRof N-(4-t-butylbenzyl)-NR[4-(methylsulfonylamino)benzyl]-thiourea analogues as TRPV1 antagonists. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 4143-50	2.9	11
23	Analysis of structure-activity relationships for the RA-regionRof N-(4-t-butylbenzyl)-NR[4-(methylsulfonylamino)benzyl]thiourea analogues as TRPV1 antagonists. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 4136-42	2.9	17
22	Calpain-1-sensitive myofibrillar proteins of the human myocardium. *Molecular and Cellular Biochemistry*, **2005**, 278, 1-8	4.2	43
21	Peroxynitrite-induced alpha-actinin nitration and contractile alterations in isolated human myocardial cells. *Cardiovascular Research*, **2005**, 67, 225-33	9.9	69
20	Type 2 diabetic mice have increased arteriolar tone and blood pressure: enhanced release of COX-2-derived constrictor prostaglandins. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 1610-6	9.4	128
19	PKCdelta associates with and is involved in the phosphorylation of RasGRP3 in response to phorbol esters. *Molecular Pharmacology*, **2004**, 66, 76-84	4.3	40
18	Design of a high-affinity competitive antagonist of the vanilloid receptor selective for the calcium entry-linked receptor population. *Molecular Pharmacology*, **2004**, 65, 282-91	4.3	34

17	Interaction between protein kinase Cmu and the vanilloid receptor type 1. *Journal of Biological Chemistry*, **2004**, 279, 53674-82	5.4	58
16	Analysis of structure-activity relationships for the B-region of N-(3-acyloxy-2-benzylpropyl)-N'-[4-(methylsulfonylamino)benzyl]thiourea analogues as vanilloid receptor antagonists: discovery of an N-hydroxythiourea analogue with potent analgesic activity. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 2291-7	2.9	12
15	N-[4-(methylsulfonylamino)benzyl]thiourea analogues as vanilloid receptor antagonists: analysis of structure-activity relationships for the "C-Region". *Bioorganic and Medicinal Chemistry*, **2004**, 12, 371-85	3.4	31
14	Structure-activity relationships of simplified resiniferatoxin analogues with potent VR1 agonism elucidates an active conformation of RTX for VR1 binding. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 1055-69	3.4	9
13	Analysis of structure-activity relationships with the N-(3-acyloxy-2-benzylpropyl)-N'-[4-(methylsulfonylamino)benzyl]thiourea template for vanilloid receptor 1 antagonism. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 3411-20	3.4	14
12	Molecular determinants of vanilloid sensitivity in TRPV1. *Journal of Biological Chemistry*, **2004**, 279, 20283-95	5.4	283
11	Characterization of the interaction of ingenol 3-angelate with protein kinase C. *Cancer Research*, **2004**, 64, 3243-55	10.1	157
10	Calpain-1-dependent degradation of troponin I mutants found in familial hypertrophic cardiomyopathy. *Molecular and Cellular Biochemistry*, **2003**, 251, 83-88	4.2	8
9	N-(3-acyloxy-2-benzylpropyl)-N'-[4-(methylsulfonylamino)benzyl]thiourea analogues: novel potent and high affinity antagonists and partial antagonists of the vanilloid receptor. *Journal of Medicinal Chemistry*, **2003**, 46, 3116-26	8.3	103
8	Arachidonyl dopamine as a ligand for the vanilloid receptor VR1 of the rat. *Life Sciences*, **2003**, 73, 487-98	6.8	45
7	High-affinity partial agonists of the vanilloid receptor. *Molecular Pharmacology*, **2003**, 64, 325-33	4.3	36
6	Calpain-1-dependent degradation of troponin I mutants found in familial hypertrophic cardiomyopathy. *Molecular and Cellular Biochemistry*, **2003**, 251, 83-8	4.2	5
5	High affinity antagonists of the vanilloid receptor. *Molecular Pharmacology*, **2002**, 62, 947-56	4.3	89
4	Thapsigargin binds to and inhibits the cloned vanilloid receptor-1. *Biochemical and Biophysical Research Communications*, **2002**, 293, 777-82	3.4	39
3	Study of the subunit interactions in myosin phosphatase by surface plasmon resonance. *FEBS Journal*, **2000**, 267, 1687-97		63
2	Phosphorylation of MYPT1 by protein kinase C attenuates interaction with PP1 catalytic subunit and the 20 kDa light chain of myosin. *FEBS Letters*, **2000**, 484, 113-7	3.8	33
1	TRPV1 in arteries enables a rapid myogenic tone		1