Michael Bader

List of Publications by Year
in descending order

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570	34,284	2669 95	6454 157
papers	citations	h-index	g-index

586	586	586	29819
all docs	docs citations	times ranked	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.	3.3	1,555
2	Synthesis of Serotonin by a Second Tryptophan Hydroxylase Isoform. Science, 2003, 299, 76-76.	6.0	1,308
3	The ACE2/Angiotensin-(1â€“7)/MAS Axis of the Renin-Angiotensin System: Focus on Angiotensin-(1â€“7). Physiological Reviews, 2018, 98, 505-553.	13.1	756
4	Platelet-Derived Serotonin Mediates Liver Regeneration. Science, 2006, 312, 104-107.	6.0	701
5	A unique central tryptophan hydroxylase isoform. Biochemical Pharmacology, 2003, 66, 1673-1680.	2.0	614
6	Weight Loss and the Renin-Angiotensin-Aldosterone System. Hypertension, 2005, 45, 356-362.	1.3	554
7	Serotonylation of Small GTPases Is a Signal Transduction Pathway that Triggers Platelet Î±-Granule Release. Cell, 2003, 115, 851-862.	13.5	426
8	Angiotensin-converting enzyme 2, angiotensin-(1â€“7) and Mas: new players of the reninâ€“angiotensin system. Journal of Endocrinology, 2013, 216, R1-R17.	1.2	414
9	Lrp5 functions in bone to regulate bone mass. Nature Medicine, 2011, 17, 684-691.	15.2	404
10	Discovery and Characterization of Alamandine. Circulation Research, 2013, 112, 1104-1111.	2.0	323
11	Growth retardation and altered autonomic control in mice lacking brain serotonin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10332-10337.	3.3	305
12	Intracellular Serotonin Modulates Insulin Secretion from Pancreatic Î²-Cells by Protein Serotonylation. PLoS Biology, 2009, 7, e1000229.	2.6	298
13	Histone serotonylation is a permissive modification that enhances TFIID binding to H3K4me3. Nature, 2019, 567, 535-539.	13.7	292
14	Preimplantation-stage stem cells induce long-term allogeneic graft acceptance without supplementary host conditioning. Nature Medicine, 2002, 8, 171-178.	15.2	290
15	Tissue Renin-Angiotensin-Aldosterone Systems: Targets for Pharmacological Therapy. Annual Review of Pharmacology and Toxicology, 2010, 50, 439-465.	4.2	281
16	Expression of nitric oxide synthase in kidney macula densa cells. Kidney International, 1992, 42, 1017-1019.	2.6	269
17	Platelet serotonin promotes the recruitment of neutrophils to sites of acute inflammation in mice. Blood, 2013, 121, 1008-1015.	0.6	260
18	Axonal transcription factors signal retrogradely in lesioned peripheral nerve. EMBO Journal, 2012, 31, 1350-1363.	3.5	241

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19	Update on tissue reninâ€“angiotensin systems. Journal of Molecular Medicine, 2008, 86, 615-621.	1.7	235
20	Impaired Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations and Increased Blood Pressure in Mice Deficient of the Intermediate-Conductance Ca 2+ -Activated K + Channel. Circulation Research, 2006, 99, 537-544.	2.0	231
21	Tissue renin-angiotensin systems: new insights from experimental animal models in hypertension research. Journal of Molecular Medicine, 2001, 79, 76-102.	1.7	230
22	Aggravation of viral hepatitis by platelet-derived serotonin. Nature Medicine, 2008, 14, 756-761.	15.2	222
23	Differential use of importin-Î± isoforms governs cell tropism and host adaptation of influenza virus. Nature Communications, 2011, 2, 156.	5.8	222
24	Serotonin Regulates Mammary Gland Development via an Autocrine-Paracrine Loop. Developmental Cell, 2004, 6, 193-203.	3.1	219
25	Mas Deficiency in FVB/N Mice Produces Marked Changes in Lipid and Glycemic Metabolism. Diabetes, 2008, 57, 340-347.	0.3	219
26	The renin-angiotensin system: going beyond the classical paradigms. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H958-H970.	1.5	218
27	Prorenin and Renin-Induced Extracellular Signal-Regulated Kinase 1/2 Activation in Monocytes Is Not Blocked by Aliskiren or the Handle-Region Peptide. Hypertension, 2008, 51, 682-688.	1.3	212
28	Central control of fever and female body temperature by RANKL/RANK. Nature, 2009, 462, 505-509.	13.7	212
29	Impairment of In Vitro and In Vivo Heart Function in Angiotensin-(1-7) Receptor Mas Knockout Mice. Hypertension, 2006, 47, 996-1002.	1.3	211
30	Angiotensin(1-7) Blunts Hypertensive Cardiac Remodeling by a Direct Effect on the Heart. Circulation Research, 2008, 103, 1319-1326.	2.0	206
31	Elevated Blood Pressure and Heart Rate in Human Renin Receptor Transgenic Rats. Hypertension, 2006, 47, 552-556.	1.3	196
32	Combining Mass Spectrometry and Pull-Down Techniques for the Study of Receptor Heteromerization. Direct Epitopeâ^'Epitope Electrostatic Interactions between Adenosine A2Aand Dopamine D2Receptors. Analytical Chemistry, 2004, 76, 5354-5363.	3.2	195
33	SDF-1Î± as a therapeutic stem cell homing factor in myocardial infarction. , 2011, 129, 97-108.		192
34	Prorenin is the endogenous agonist of the (pro)renin receptor. Binding kinetics of renin and prorenin in rat vascular smooth muscle cells overexpressing the human (pro)renin receptor. Journal of Hypertension, 2007, 25, 2441-2453.	0.3	189
35	Sustained Long Term Potentiation and Anxiety in Mice Lacking theMas Protooncogene. Journal of Biological Chemistry, 1998, 273, 11867-11873.	1.6	185
36	Serotonin Is Required for Exercise-Induced Adult Hippocampal Neurogenesis. Journal of Neuroscience, 2013, 33, 8270-8275.	1.7	185

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37	Direct Angiotensin II Type 2 Receptor Stimulation Acts Anti-Inflammatory Through Epoxyeicosatrienoic Acid and Inhibition of Nuclear Factor Î¹B. Hypertension, 2010, 55, 924-931.	1.3	182
38	Prorenin Receptor Is Essential for Podocyte Autophagy and Survival. Journal of the American Society of Nephrology: JASN, 2011, 22, 2193-2202.	3.0	179
39	Endothelial Dysfunction and Elevated Blood Pressure in Mas Gene-Deleted Mice. Hypertension, 2008, 51, 574-580.	1.3	178
40	Expression of an angiotensin-(1â€“7)-producing fusion protein produces cardioprotective effects in rats. Physiological Genomics, 2004, 17, 292-299.	1.0	169
41	The transcription factor grainyhead-like 2 regulates the molecular composition of the epithelial apical junctional complex. Development (Cambridge), 2010, 137, 3835-3845.	1.2	169
42	Overview on 5-HT receptors and their role in physiology and pathology of the central nervous system. Pharmacological Reports, 2009, 61, 761-777.	1.5	167
43	Transgenic Angiotensin-Converting Enzyme 2 Overexpression in Vessels of SHRSP Rats Reduces Blood Pressure and Improves Endothelial Function. Hypertension, 2008, 52, 967-973.	1.3	166
44	Mass-Spectrometric Identification of a Novel Angiotensin Peptide in Human Plasma. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 297-302.	1.1	165
45	Evidence for a Functional Interaction of the Angiotensin-(1â€“7) Receptor Mas With AT 1 and AT 2 Receptors in the Mouse Heart. Hypertension, 2005, 46, 937-942.	1.3	158
46	Nonpeptide AVE 0991 Is an Angiotensin-(1â€“7) Receptor Mas Agonist in the Mouse Kidney. Hypertension, 2004, 44, 490-496.	1.3	155
47	Ang II (Angiotensin II) Conversion to Angiotensin-(1-7) in the Circulation Is POP (Prolyloligopeptidase)-Dependent and ACE2 (Angiotensin-Converting Enzyme 2)-Independent. Hypertension, 2020, 75, 173-182.	1.3	155
48	Decreased Liver Fatty Acid Binding Capacity and Altered Liver Lipid Distribution in Mice Lacking the Liver Fatty Acid-binding Protein Gene. Journal of Biological Chemistry, 2003, 278, 21429-21438.	1.6	150
49	Platelets and platelet-derived serotonin promote tissue repair after normothermic hepatic ischemia in mice. Hepatology, 2007, 45, 369-376.	3.6	150
50	Anti-Inflammatory Effects of the Activation of the Angiotensin-(1â€“7) Receptor, Mas, in Experimental Models of Arthritis. Journal of Immunology, 2010, 185, 5569-5576.	0.4	150
51	Molecular Mechanisms Involved in the Angiotensin-(1-7)/Mas Signaling Pathway in Cardiomyocytes. Hypertension, 2008, 52, 542-548.	1.3	147
52	Mas and Its Related G Proteinâ€“Coupled Receptors, Mrgprs. Pharmacological Reviews, 2014, 66, 1080-1105.	7.1	147
53	Serotonin Mediates Oxidative Stress and Mitochondrial Toxicity in a Murine Model of Nonalcoholic Steatohepatitis. Gastroenterology, 2007, 133, 608-618.	0.6	143
54	Improved Lipid and Glucose Metabolism in Transgenic Rats With Increased Circulating Angiotensin-(1-7). Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 953-961.	1.1	143

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55	Restoration of muscle strength in dystrophic muscle by angiotensin-1-7 through inhibition of TGF-Î² signalling. Human Molecular Genetics, 2014, 23, 1237-1249.	1.4	143
56	Blood pressure response to chronic episodic hypoxia: the renin-angiotensin system. Journal of Applied Physiology, 2002, 92, 627-633.	1.2	142
57	Smooth-muscle contraction without smooth-muscle myosin. Nature Cell Biology, 2000, 2, 371-375.	4.6	141
58	ACE2â€“angiotensin-(1â€“7)â€“Mas axis and oxidative stress in cardiovascular disease. Hypertension Research, 2011, 34, 154-160.	1.5	141
59	Emergence and evolution of the reninâ€“angiotensinâ€–aldosterone system. Journal of Molecular Medicine, 2012, 90, 495-508.	1.7	138
60	Blockade of Bradykinin Receptor B1 but Not Bradykinin Receptor B2 Provides Protection From Cerebral Infarction and Brain Edema. Stroke, 2009, 40, 285-293.	1.0	136
61	Inhibition of pressure natriuresis in mice lacking the AT2 receptor. Kidney International, 2000, 57, 191-202.	2.6	134
62	ACE2, angiotensin-(1â€“7), and Mas: the other side of the coin. Pflugers Archiv European Journal of Physiology, 2013, 465, 79-85.	1.3	133
63	Age-related shift in LTD is dependent on neuronal adenosine A2A receptors interplay with mGluR5 and NMDA receptors. Molecular Psychiatry, 2020, 25, 1876-1900.	4.1	129
64	The Antithrombotic Effect of Angiotensin-(1-7) Involves Mas-Mediated NO Release from Platelets. Molecular Medicine, 2008, 14, 28-35.	1.9	128
65	Intrarenal Renin Angiotensin System Revisited. Journal of Biological Chemistry, 2010, 285, 41935-41946.	1.6	128
66	Renal effects of Tamm-Horsfall protein (uromodulin) deficiency in mice. American Journal of Physiology - Renal Physiology, 2005, 288, F559-F567.	1.3	127
67	Selected Contribution: Altered vascular reactivity in arterioles of chronic intermittent hypoxic rats. Journal of Applied Physiology, 2001, 90, 2007-2013.	1.2	126
68	Prorenin and Its Ancient Receptor. Hypertension, 2006, 48, 549-551.	1.3	125
69	Genetic deletion of the angiotensin-(1â€“7) receptor Mas leads to glomerular hyperfiltration and microalbuminuria. Kidney International, 2009, 75, 1184-1193.	2.6	125
70	Expression of the mouse and ratmasproto-oncogene in the brain and peripheral tissues. FEBS Letters, 1995, 357, 27-32.	1.3	124
71	In vivo bradykinin B2 receptor activation reduces renal fibrosis. Journal of Clinical Investigation, 2002, 110, 371-379.	3.9	123
72	Characterization of the Han:SPRD rat model for hereditary polycystic kidney disease. Kidney International, 1994, 46, 134-152.	2.6	121

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73	Blood Pressureâ€“Independent Effects in Rats With Human Renin and Angiotensinogen Genes. Hypertension, 2000, 35, 587-594.	1.3	120
74	Gluco- and mineralocorticoid receptor-mediated regulation of neurotrophic factor gene expression in the dorsal hippocampus and the neocortex of the rat. European Journal of Neuroscience, 2000, 12, 2918-2934.	1.2	119
75	Bradykinin-Induced Microglial Migration Mediated by B₁-Bradykinin Receptors Depends on Ca²⁺Influx via Reverse-Mode Activity of the Na⁺/Ca²⁺Exchanger. Journal of Neuroscience, 2007, 27, 13065-13073.	1.7	119
76	Genetically altered animal models for Mas and angiotensinâ€(1â€“7). Experimental Physiology, 2008, 93, 528-537.	0.9	119
77	Serotonin Regulates Macrophage-Mediated Angiogenesis in a Mouse Model of Colon Cancer Allografts. Cancer Research, 2008, 68, 5152-5158.	0.4	119
78	Cardiac hypertrophy in transgenic rats expressing a dominant-negative mutant of the natriuretic peptide receptor B. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4735-4740.	3.3	118
79	Overexpression of the C-type natriuretic peptide (CNP) is associated with overgrowth and bone anomalies in an individual with balanced t(2;7) translocation. Human Mutation, 2007, 28, 724-731.	1.1	118
80	Activation of kinin receptor B1 limits encephalitogenic T lymphocyte recruitment to the central nervous system. Nature Medicine, 2009, 15, 788-793.	15.2	118
81	Working memory deficits in transgenic rats overexpressing human adenosine A2A receptors in the brain. Neurobiology of Learning and Memory, 2007, 87, 42-56.	1.0	115
82	Transgenic activation of the kallikreinâ€kinin system inhibits intramyocardial inflammation, endothelial dysfunction, and oxidative stress in experimental diabetic cardiomyopathy. FASEB Journal, 2005, 19, 2057-2059.	0.2	114
83	Targeting Kinin B1Receptor for Therapeutic Neovascularization. Circulation, 2002, 105, 360-366.	1.6	113
84	The Endothelium-Dependent Vasodilator Effect of the Nonpeptide Ang(1-7) Mimic AVE 0991 Is Abolished in the Aorta of Mas-Knockout Mice. Journal of Cardiovascular Pharmacology, 2005, 46, 274-279.	0.8	113
85	Connective Tissue Growth Factor Overexpression in Cardiomyocytes Promotes Cardiac Hypertrophy and Protection against Pressure Overload. PLoS ONE, 2009, 4, e6743.	1.1	113
86	Reduced cardiac hypertrophy and altered blood pressure control in transgenic rats with the human tissue kallikrein gene. FASEB Journal, 2000, 14, 1858-1860.	0.2	112
87	Evidence for the participation of kinins in Freund's adjuvant-induced inflammatory and nociceptive responses in kinin B1 and B2 receptor knockout mice. Neuropharmacology, 2001, 41, 1006-1012.	2.0	112
88	Angiotensin-(1-7) Prevents Cardiomyocyte Pathological Remodeling Through a Nitric Oxide/Guanosine 3â€²,5â€²-Cyclic Monophosphateâ€“Dependent Pathway. Hypertension, 2010, 55, 153-160.	1.3	112
89	ACE2 in Brain Physiology and Pathophysiology: Evidence from Transgenic Animal Models. Neurochemical Research, 2019, 44, 1323-1329.	1.6	112
90	Apoptosis Repressor With Caspase Recruitment Domain Is Required for Cardioprotection in Response to Biomechanical and Ischemic Stress. Circulation, 2006, 113, 1203-1212.	1.6	109

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91	Stretchâ€“Activation of Angiotensin II Type 1 _a Receptors Contributes to the Myogenic Response of Mouse Mesenteric and Renal Arteries. Circulation Research, 2014, 115, 263-272.	2.0	108
92	Vascular Relaxation, Antihypertensive Effect, and Cardioprotection of a Novel Peptide Agonist of the Mas Receptor. Hypertension, 2010, 56, 112-120.	1.3	106
93	Effect of Tryptophan Hydroxylase 1 Deficiency on the Development of Hypoxia-Induced Pulmonary Hypertension. Hypertension, 2007, 49, 232-236.	1.3	105
94	Life without brain serotonin: Reevaluation of serotonin function with mice deficient in brain serotonin synthesis. Behavioural Brain Research, 2015, 277, 78-88.	1.2	104
95	Gene Deletion of the Kinin Receptor B1 Attenuates Cardiac Inflammation and Fibrosis During the Development of Experimental Diabetic Cardiomyopathy. Diabetes, 2009, 58, 1373-1381.	0.3	102
96	Ischemic injury in experimental stroke depends on angiotensin II. FASEB Journal, 2002, 16, 169-176.	0.2	99
97	Prevention of cardiac fibrosis and left ventricular dysfunction in diabetic cardiomyopathy in rats by transgenic expression of the human tissue kallikrein gene. FASEB Journal, 2004, 18, 828-835.	0.2	97
98	The use of kinin B1 and B2 receptor knockout mice and selective antagonists to characterize the nociceptive responses caused by kinins at the spinal level. Neuropharmacology, 2002, 43, 1188-1197.	2.0	96
99	Mice deficient for both kinin receptors are normotensive and protected from endotoxinâ€induced hypotension. FASEB Journal, 2007, 21, 1689-1698.	0.2	96
100	Inhibition of Bradykinin Receptor B1 Protects Mice from Focal Brain Injury by Reducing Bloodâ€“Brain Barrier Leakage and Inflammation. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1477-1486.	2.4	96
101	Dynamics of DNA-demethylation in early mouse and rat embryos developed in vivo and in vitro. Molecular Reproduction and Development, 2007, 74, 1255-1261.	1.0	94
102	CXCL5 limits macrophage foam cell formation in atherosclerosis. Journal of Clinical Investigation, 2013, 123, 1343-1347.	3.9	94
103	Angiotensin II receptor blockade in TGR(mREN2)27: effects of renin???angiotensin-system gene expression and cardiovascular functions. Journal of Hypertension, 1995, 13, 891-899.	0.3	91
104	Molecular Cloning and Functional Characterization of a Mouse Bradykinin B1 Receptor Gene. Biochemical and Biophysical Research Communications, 1996, 220, 219-225.	1.0	91
105	The Brain Renin-Angiotensin System Modulates Angiotensin IIâ€“Induced Hypertension and Cardiac Hypertrophy. Hypertension, 2000, 35, 409-412.	1.3	90
106	Angiotensin typeÂ2 receptor (AT2R) and receptor Mas: a complex liaison. Clinical Science, 2015, 128, 227-234.	1.8	89
107	An orally active formulation of angiotensin-(1-7) produces an antithrombotic effect. Clinics, 2011, 66, 837-841.	0.6	89
108	Trypanosoma cruzi induces edematogenic responses in mice and invades cardiomyocytes and endothelial cells in vitro by activating distinct kinin receptor subtypes (B1/B2). FASEB Journal, 2003, 17, 73-75.	0.2	88

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109	Aliskiren-Binding Increases the Half Life of Renin and Prorenin in Rat Aortic Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1151-1157.	1.1	88
110	Diabetic Hypertensive Leptin Receptorâ€“Deficient db/db Mice Develop Cardioregulatory Autonomic Dysfunction. Hypertension, 2009, 53, 387-392.	1.3	88
111	Role of the Local Reninâ€“angiotensin System in Cardiac Damage: a Minireview Focussing on Transgenic Animal Models. Journal of Molecular and Cellular Cardiology, 2002, 34, 1455-1462.	0.9	87
112	Evidence for Heterodimerization and Functional Interaction of the Angiotensin Type 2 Receptor and the Receptor MAS. Hypertension, 2017, 69, 1128-1135.	1.3	87
113	Transposonâ€mediated transgenesis, transgenic rescue, and tissueâ€specific gene expression in rodents and rabbits. FASEB Journal, 2013, 27, 930-941.	0.2	86
114	The past, present and future of angiotensin II type 2 receptor stimulation. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2010, 11, 67-73.	1.0	83
115	A Novel Inflammatory Pathway Involved in Leukocyte Recruitment: Role for the Kinin B1 Receptor and the Chemokine CXCL5. Journal of Immunology, 2007, 179, 4849-4856.	0.4	82
116	Down-regulation of Catalase and Oxidative Modification of Protein Kinase CK2 Lead to the Failure of Apoptosis Repressor with Caspase Recruitment Domain to Inhibit Cardiomyocyte Hypertrophy. Journal of Biological Chemistry, 2008, 283, 5996-6004.	1.6	82
117	Converging Evidence in Support of the Serotonin Hypothesis of Dexfenfluramine-Induced Pulmonary Hypertension With Novel Transgenic Mice. Circulation, 2008, 117, 2928-2937.	1.6	82
118	REVIEW: Behavioral evidence for the significance of serotoninergic (5â€HT) receptors in cocaine addiction. Addiction Biology, 2010, 15, 227-249.	1.4	82
119	Alterations in Blood Pressure and Heart Rate Variability in Transgenic Rats With Low Brain Angiotensinogen. Hypertension, 2001, 37, 408-413.	1.3	81
120	Interactions Between Angiotensin-(1-7), Kinins, and Angiotensin II in Kidney and Blood Vessels. Hypertension, 2001, 38, 660-664.	1.3	79
121	Role of Bradykinin B2 and B1 Receptors in the Local, Remote, and Systemic Inflammatory Responses That Follow Intestinal Ischemia and Reperfusion Injury. Journal of Immunology, 2004, 172, 2542-2548.	0.4	79
122	Physiology of the (pro)renin receptor: Wnt of change?. Kidney International, 2010, 78, 246-256.	2.6	77
123	Reduced Nerve Injury-Induced Neuropathic Pain in Kinin B1 Receptor Knock-Out Mice. Journal of Neuroscience, 2005, 25, 2405-2412.	1.7	76
124	The Role of Bradykinin B₁ and B₂ Receptors for Secondary Brain Damage after Traumatic Brain Injury in Mice. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 130-139.	2.4	76
125	Overexpression of Adenosine A2A Receptors in Rats: Effects on Depression, Locomotion, and Anxiety. Frontiers in Psychiatry, 2014, 5, 67.	1.3	76
126	Angiotensin-(1â€“7)/Mas axis integrity is required for the expression of object recognition memory. Neurobiology of Learning and Memory, 2012, 97, 113-123.	1.0	74

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127	Oral administration of angiotensin-(1â€“7) ameliorates type 2 diabetes in rats. Journal of Molecular Medicine, 2014, 92, 255-265.	1.7	74
128	Peripheral Serotonin Synthesis as a New Drug Target. Trends in Pharmacological Sciences, 2018, 39, 560-572.	4.0	74
129	Increased circulating angiotensin-(1â€“7) protects white adipose tissue against development of a proinflammatory state stimulated by a high-fat diet. Regulatory Peptides, 2012, 178, 64-70.	1.9	73
130	Regulation of renin: new evidence from cultured cells and genetically modified mice. Journal of Molecular Medicine, 2000, 78, 130-139.	1.7	72
131	Altered Neutrophil Homeostasis in Kinin B1 Receptor-Deficient Mice. Biological Chemistry, 2001, 382, 91-5.	1.2	71
132	Postnatal Growth Defects in Mice with Constitutive Depletion of Central Serotonin. ACS Chemical Neuroscience, 2013, 4, 171-181.	1.7	71
133	Interaction Between Mas and the Angiotensin AT1 Receptor in the Amygdala. Journal of Neurophysiology, 2000, 83, 2012-2021.	0.9	70
134	Neprilysin is a Mediator of Alternative Renin-Angiotensin-System Activation in the Murine and Human Kidney. Scientific Reports, 2016, 6, 33678.	1.6	70
135	Brain Reninâ€“Angiotensin System. Hypertension, 2017, 69, 1136-1144.	1.3	69
136	Tryptophan Hydroxylase as Novel Target for the Treatment of Depressive Disorders. Pharmacology, 2010, 85, 95-109.	0.9	68
137	Larger Anastomoses in Angiotensinogen-Knockout Mice Attenuate Early Metabolic Disturbances after Middle Cerebral Artery Occlusion. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 1092-1098.	2.4	66
138	Mechanisms of the anti-inflammatory actions of the angiotensin type 1 receptor antagonist losartan in experimental models of arthritis. Peptides, 2013, 46, 53-63.	1.2	66
139	Proteomic Analysis Reveals Alterations in the Renal Kallikrein Pathway during Hypoxia-Induced Hypertension. Journal of Biological Chemistry, 2002, 277, 34708-34716.	1.6	65
140	Specification and differentiation of serotonergic neurons. Stem Cell Reviews and Reports, 2006, 2, 5-10.	5.6	65
141	Loss of Myocardial Ischemic Postconditioning in Adenosine A ₁ and Bradykinin B ₂ Receptors Gene Knockout Mice. Circulation, 2008, 118, S32-7.	1.6	65
142	Role of the receptor Mas in macrophage-mediated inflammation in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14109-14114.	3.3	65
143	Angiotensin-(1-7) attenuates disuse skeletal muscle atrophy via the Mas receptor. DMM Disease Models and Mechanisms, 2016, 9, 441-9.	1.2	65
144	In vivo bradykinin B2 receptor activation reduces renal fibrosis. Journal of Clinical Investigation, 2002, 110, 371-379.	3.9	64

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145	Ablation of angiotensin (1-7) receptor Mas in C57Bl/6 mice causes endothelial dysfunction. Journal of the American Society of Hypertension, 2008, 2, 418-424.	2.3	63
146	Normal Blood Pressure and Renal Function in Mice Lacking the Bradykinin B ₂ Receptor. Hypertension, 2001, 37, 1473-1479.	1.3	61
147	Kinin B1 Receptor Deficiency Leads to Leptin Hypersensitivity and Resistance to Obesity. Diabetes, 2008, 57, 1491-1500.	0.3	61
148	A Grhl2-dependent gene network controls trophoblast branching morphogenesis. Development (Cambridge), 2015, 142, 1125-1136.	1.2	61
149	Alternative Splicing and Extensive RNA Editing of Human TPH2 Transcripts. PLoS ONE, 2010, 5, e8956.	1.1	61
150	Crosstalk between the reninâ€“angiotensin, complement and kallikreinâ€“kinin systems in inflammation. Nature Reviews Immunology, 2022, 22, 411-428.	10.6	61
151	Angiotensin peptides acting at rostral ventrolateral medulla contribute to hypertension of TGR(mREN2)27 rats. Physiological Genomics, 2000, 2, 137-142.	1.0	60
152	Accelerated Mitochondrial Adenosine Diphosphate/Adenosine Triphosphate Transport Improves Hypertension-Induced Heart Disease. Circulation, 2007, 115, 333-344.	1.6	60
153	Detrimental implication of B1 receptors in myocardial ischemia: evidence from pharmacological blockade and gene knockout mice. International Immunopharmacology, 2002, 2, 815-822.	1.7	59
154	Role of the B1Kinin Receptor in the Regulation of Cardiac Function and Remodeling After Myocardial Infarction. Hypertension, 2005, 45, 747-753.	1.3	59
155	Expression of an angiotensin-(1-7)-producing fusion protein in rats induced marked changes in regional vascular resistance. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2485-H2490.	1.5	59
156	The Angiotensin-Melatonin Axis. International Journal of Hypertension, 2013, 2013, 1-7.	0.5	58
157	Bradykinin B 1 Receptor Expression Induced by Tissue Damage in the Rat Portal Vein. Circulation Research, 2004, 94, 1375-1382.	2.0	57
158	Beneficial Effects of the Activation of the Angiotensin-(1â€“7) Mas Receptor in a Murine Model of Adriamycin-Induced Nephropathy. PLoS ONE, 2013, 8, e66082.	1.1	57
159	Kinin B1 receptors as a therapeutic target for inflammation. Expert Opinion on Therapeutic Targets, 2018, 22, 31-44.	1.5	56
160	Differential Gene Expression of Renin and Angiotensinogen in the TGR(mREN-2)27 Transgenic Rat. Hypertension, 1995, 25, 570-580.	1.3	56
161	Human volunteer study on the inhalational and dermal absorption of N-methyl-2-pyrrolidone (NMP) from the vapour phase. Archives of Toxicology, 2008, 82, 13-20.	1.9	55
162	A Novel KCNJ5-insT149 Somatic Mutation Close to, but Outside, the Selectivity Filter Causes Resistant Hypertension by Loss of Selectivity for Potassium. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1765-E1773.	1.8	55

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163	The caffeine-binding adenosine A2A receptor induces age-like HPA-axis dysfunction by targeting glucocorticoid receptor function. Scientific Reports, 2016, 6, 31493.	1.6	55
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