

# Johji Kato

## List of Publications by Year in descending order

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81  
papers

2,798  
citations

147801

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docs citations

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times ranked

1924  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adrenomedullin: A Possible Autocrine or Paracrine Inhibitor of Hypertrophy of Cardiomyocytes. <i>Hypertension</i> , 1998, 31, 505-510.	2.7	164
2	Isolation and identification of proangiotensin-12, a possible component of the renin-angiotensin system. <i>Biochemical and Biophysical Research Communications</i> , 2006, 350, 1026-1031.	2.1	163
3	The Intermediate Form of Glycine-Extended Adrenomedullin Is the Major Circulating Molecular Form in Human Plasma. <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 551-555.	2.1	147
4	Adrenomedullin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 2480-2487.	2.4	143
5	Receptors for adrenomedullin in human vascular endothelial cells. <i>European Journal of Pharmacology</i> , 1995, 289, 383-385.	2.6	109
6	An autocrine or a paracrine role of adrenomedullin in modulating cardiac fibroblast growth. <i>Cardiovascular Research</i> , 1999, 43, 958-967.	3.8	104
7	BIOLOGICAL AND CLINICAL ROLES OF ADRENOMEDULLIN IN CIRCULATION CONTROL AND CARDIOVASCULAR DISEASES. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1999, 26, 371-380.	1.9	83
8	Plasma Levels of Adrenomedullin and Atrial and Brain Natriuretic Peptides in the General Population: Their Relations to Age and Pulse Pressure.. <i>Hypertension Research</i> , 2002, 25, 887-892.	2.7	79
9	Plasma Adrenomedullin and Natriuretic Peptides in Patients with Essential or Malignant Hypertension.. <i>Hypertension Research</i> , 1999, 22, 61-65.	2.7	74
10	Pressure-independent effects of pharmacological stimulation of soluble guanylate cyclase on fibrosis in pressure-overloaded rat heart. <i>Hypertension Research</i> , 2009, 32, 597-603.	2.7	73
11	Adrenomedullin Administration Immediately After Myocardial Infarction Ameliorates Progression of Heart Failure in Rats. <i>Circulation</i> , 2004, 110, 426-431.	1.6	72
12	Localization of the novel angiotensin peptide, angiotensin-(1-12), in heart and kidney of hypertensive and normotensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2614-H2618.	3.2	71
13	Differential regulation of angiotensin-(1-12) in plasma and cardiac tissue in response to bilateral nephrectomy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1184-H1192.	3.2	66
14	Enhanced Adrenomedullin Production by Mechanical Stretching in Cultured Rat Cardiomyocytes. <i>Hypertension</i> , 2000, 35, 1210-1214.	2.7	64
15	Bench-to-bedside pharmacology of adrenomedullin. <i>European Journal of Pharmacology</i> , 2015, 764, 140-148.	3.5	64
16	Shared and separate functions of the RAMP-based adrenomedullin receptors. <i>Peptides</i> , 2011, 32, 1540-1550.	2.4	52
17	Effect of chronically infused adrenomedullin in two-kidney, one-clip hypertensive rats. <i>European Journal of Pharmacology</i> , 1997, 333, 187-190.	3.5	51
18	Hemodynamic and Hormonal Changes to Dual Renin-Angiotensin System Inhibition in Experimental Hypertension. <i>Hypertension</i> , 2013, 61, 417-424.	2.7	49

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19	Adrenomedullin treatment reduces intestinal inflammation and maintains epithelial barrier function in mice administered dextran sulphate sodium. <i>Microbiology and Immunology</i> , 2009, 53, 573-581.	1.4	45
20	Production of adrenomedullin in human vascular endothelial cells. <i>Life Sciences</i> , 1997, 60, 1763-1769.	4.3	43
21	HYPOTENSIVE EFFECT OF CHRONICALLY INFUSED ADRENOMEDULLIN IN CONSCIOUS WISTAR-KYOTO AND SPONTANEOUSLY HYPERTENSIVE RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997, 24, 139-142.	1.9	43
22	Adrenomedullin: a Possible Autocrine or Paracrine Hormone in the Cardiac Ventricles. <i>Hypertension Research</i> , 2003, 26, S113-S119.	2.7	43
23	Exercise-Induced Secretion of Brain Natriuretic Peptide in Essential Hypertension and Normal Subjects.. <i>Hypertension Research</i> , 1995, 18, 159-166.	2.7	42
24	Effect of adrenomedullin administration on acetic acid-induced colitis in rats. <i>Peptides</i> , 2005, 26, 2610-2615.	2.4	42
25	Secretion and clearance of the mature form of adrenomedullin in humans. <i>Life Sciences</i> , 1999, 64, 2505-2509.	4.3	41
26	Effects of Endothelin on Adrenomedullin Secretion and Expression of Adrenomedullin Receptors in Rat Cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 264-269.	2.1	36
27	Beneficial effects of adrenomedullin on left ventricular remodeling after myocardial infarction in rats. <i>Cardiovascular Research</i> , 2002, 56, 373-380.	3.8	36
28	Plasma and tissue levels of proangiotensin-12 and components of the renin-angiotensin system (RAS) following low- or high-salt feeding in rats. <i>Peptides</i> , 2010, 31, 889-892.	2.4	35
29	Adrenomedullin: Continuing to explore cardioprotection. <i>Peptides</i> , 2019, 111, 47-54.	2.4	35
30	Biosynthesis and Secretion of Adrenomedullin and Proadrenomedullin N-Terminal 20 Peptide in a Rat Model of Endotoxin Shock.. <i>Hypertension Research</i> , 2001, 24, 543-549.	2.7	32
31	Atrial natriuretic polypeptide (ANP) in the development of spontaneously hypertensive rats (SHR) and stroke-prone SHR (SHRSP). <i>Biochemical and Biophysical Research Communications</i> , 1987, 143, 316-322.	2.1	31
32	Diastolic wall stress and ANG II in cardiac hypertrophy and gene expression induced by volume overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H2939-H2946.	3.2	30
33	Differential responses of circulating and tissue adrenomedullin and gene expression to volume overload. <i>Journal of Cardiac Failure</i> , 2000, 6, 120-129.	1.7	30
34	Biological properties of adrenomedullin conjugated with polyethylene glycol. <i>Peptides</i> , 2014, 57, 118-121.	2.4	29
35	Differential hormonal profiles of adrenomedullin and proadrenomedullin n-termina 20 peptide in patients with heart failure and effect of treatment on their plasma levels. <i>Clinical Cardiology</i> , 1999, 22, 113-117.	1.8	28
36	Increased plasma levels of the mature and intermediate forms of adrenomedullin in obesity. <i>Regulatory Peptides</i> , 2009, 158, 127-131.	1.9	28

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37	Purification and characterization of PAMP-12 (PAMP[9-20]) in porcine adrenal medulla as a major endogenous biologically active peptide. <i>FEBS Letters</i> , 1997, 414, 105-110.	2.8	27
38	Adrenomedullin induces matrix metalloproteinase-2 activity in rat aortic adventitial fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 80-84.	2.1	27
39	One-year effectiveness and safety of open-label losartan/hydrochlorothiazide combination therapy in Japanese patients with hypertension uncontrolled with ARBs or ACE inhibitors. <i>Hypertension Research</i> , 2010, 33, 320-325.	2.7	27
40	Increase in plasma atrial natriuretic polypeptide (ANP) following sodium load in anesthetized rats. <i>Life Sciences</i> , 1986, 39, 493-497.	4.3	26
41	Association between body mass index and chronic kidney disease: A population-based, cross-sectional study of a Japanese community. <i>Vascular Health and Risk Management</i> , 2009, 5, 315.	2.3	26
42	Antifibrotic effect of adrenomedullin on coronary adventitia in angiotensin II-induced hypertensive rats. <i>Cardiovascular Research</i> , 2005, 65, 921-929.	3.8	25
43	Atrial and brain natriuretic peptides as markers of cardiac load and volume retention in primary aldosteronism. <i>American Journal of Hypertension</i> , 2005, 18, 354-357.	2.0	24
44	Aldosterone augments adrenomedullin production without stimulating pro-adrenomedullin N-terminal 20 peptide secretion in vascular smooth muscle cells. <i>Journal of Hypertension</i> , 2002, 20, 1209-1214.	0.5	23
45	Big angiotensin-25: A novel glycosylated angiotensin-related peptide isolated from human urine. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 757-762.	2.1	23
46	Changes in Cardiac Adrenomedullin Concentration in Renovascular Hypertensive Rats.. <i>Hypertension Research</i> , 1997, 20, 113-117.	2.7	22
47	Plasma and tissue concentrations of proangiotensin-12 in rats treated with inhibitors of the renin-angiotensin system. <i>Hypertension Research</i> , 2012, 35, 234-238.	2.7	21
48	Gender-related alterations in plasma adrenomedullin level and its correlation with body weight gain. <i>Endocrine Connections</i> , 2015, 4, 43-49.	1.9	21
49	Angiotensin II modulates gene expression of adrenomedullin receptor components in rat cardiomyocytes. <i>Life Sciences</i> , 2003, 73, 1629-1635.	4.3	19
50	Gender difference in relationship between body mass index and development of chronic kidney disease. <i>BMC Research Notes</i> , 2013, 6, 463.	1.4	19
51	Angiotensin II Stimulation of Cardiac Hypertrophy and Functional Decompensation in Osteoprotegerin-Deficient Mice. <i>Hypertension</i> , 2016, 67, 848-856.	2.7	18
52	Comparison of combination therapies, including the angiotensin receptor blocker olmesartan and either a calcium channel blocker or a thiazide diuretic, in elderly patients with hypertension. <i>Hypertension Research</i> , 2011, 34, 331-335.	2.7	16
53	Plasma levels of natriuretic peptides and development of chronic kidney disease. <i>BMC Nephrology</i> , 2015, 16, 171.	1.8	16
54	Hyperlipidemia Associated with Multiple Myeloma.. <i>Internal Medicine</i> , 1996, 35, 337-340.	0.7	15

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55	Glycine-extended adrenomedullin exerts vasodilator effect through amidation in the rat aorta. <i>Regulatory Peptides</i> , 2003, 113, 109-114.	1.9	14
56	NATRIURETIC AND HYPOTENSIVE EFFECTS OF BRAIN NATRIURETIC PEPTIDE IN ANAESTHETIZED DOCA-SALT HYPERTENSIVE RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1989, 16, 185-190.	1.9	10
57	Roles of protein kinase C and Ca <sup>2+</sup> -dependent signaling in angiotensin II-induced adrenomedullin production in rat cardiac myocytes. <i>Journal of Hypertension</i> , 2001, 19, 757-763.	0.5	10
58	Natriuretic peptides and neprilysin inhibition in hypertension and hypertensive organ damage. <i>Peptides</i> , 2020, 132, 170352.	2.4	10
59	Effects of proangiotensin-12 infused continuously over 14 days in conscious rats. <i>European Journal of Pharmacology</i> , 2012, 683, 186-189.	3.5	9
60	Augmented Blood Pressure Variability in Hypertension Induced by Angiotensin II in Rats. <i>American Journal of Hypertension</i> , 2016, 29, 163-169.	2.0	9
61	Cardiac content of brain natriuretic peptide in DOCA-salt hypertensive rats. <i>Life Sciences</i> , 1991, 48, 397-402.	4.3	7
62	Suppression of atrial natriuretic peptide (ANP) receptor recovery from homologous down-regulation by 8-bromo-cGMP in endothelial cells. <i>European Journal of Pharmacology</i> , 1992, 225, 113-117.	2.6	7
63	Extramedullary Plasmacytoma of the Jejunum.. <i>Internal Medicine</i> , 1996, 35, 422-426.	0.7	7
64	Adrenomedullin alleviates not only neointimal formation but also perivascular hyperplasia following arterial injury in rats. <i>European Journal of Pharmacology</i> , 2005, 508, 201-204.	3.5	7
65	Cholesterol Embolism in a Patient with Inflammatory Abdominal Aortic Aneurysm.. <i>Internal Medicine</i> , 1999, 38, 861-864.	0.7	5
66	Inhibitory effects of losartan and azelnidipine on augmentation of blood pressure variability induced by angiotensin II in rats. <i>European Journal of Pharmacology</i> , 2017, 806, 91-95.	3.5	5
67	Augmented blood pressure variability following continuous infusion of noradrenaline in rats. <i>Journal of Hypertension</i> , 2020, 38, 314-321.	0.5	4
68	Atypical Aortic Coarctation with Resistant Hypertension Treated with Axilloiliac Artery Bypass.. <i>Hypertension Research</i> , 2000, 23, 247-249.	2.7	4
69	Differential blood pressure reductions by angiotensin receptor blocker plus calcium channel blocker or diuretic in elderly hypertension with or without obesity. <i>Journal of the American Society of Hypertension</i> , 2012, 6, 393-398.	2.3	3
70	Obesity paradox in peripheral vascular disease. <i>Atherosclerosis</i> , 2013, 229, 509-510.	0.8	3
71	Development of a novel human adrenomedullin derivative: human serum albumin-conjugated adrenomedullin. <i>Journal of Biochemistry</i> , 2021, 170, 445-451.	1.7	3
72	Cardiac Peptides—Current Physiology, Pathophysiology, Biochemistry, Molecular Biology, and Clinical Application. <i>Biology</i> , 2022, 11, 330.	2.8	3

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73	Natriuretic Peptides. , 2004, , 287-290.		2
74	Î²-arrestins negatively control human adrenomedullin type 1-receptor internalization. Biochemical and Biophysical Research Communications, 2017, 487, 438-443.	2.1	2
75	Plasma adrenomedullin level and year-by-year variability of body mass index in the general population. Peptides, 2021, 142, 170567.	2.4	2
76	Interaction between adrenomedullin (AM) and endothelin (ET) in cultured rat cardiomyocytes. American Journal of Hypertension, 2001, 14, A169.	2.0	0
77	Aldosterone (ALD) augments adrenomedullin (AM) production without any effect on proadrenomedullin N-terminal 20 peptide (PAMP) secretion in human vascular smooth muscle cells (VSMC). American Journal of Hypertension, 2001, 14, A154.	2.0	0
78	Effects of adrenomedullin (AM) on renin-angiotensin-aldosterone (RAA) system and oxidative stress in rats with acute myocardial infarction (MI). American Journal of Hypertension, 2004, 17, S157-S158.	2.0	0
79	Adrenomedullin Peptides. , 2013, , 1361-1368.		0
80	Experimental Hypertension is Associated with Differential Expression of Angiotensinâ€“(12) in Heart of Hypertensive and Normotensive Rats. FASEB Journal, 2008, 22, 1210.20.	0.5	0
81	Hypotensive Effect of Chronically Infused Adrenomedullin in Conscious Wistar-Kyoto and Spontaneously Hypertensive Rats. International Heart Journal, 1997, 38, 567-567.	0.6	0