

Ayumu Nakashima

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

2,282
citations

23
h-index

43
g-index

112
ext. papers

2,719
ext. citations

4.6
avg, IF

4.27
L-index

#	Paper	IF	Citations
107	Decreased total and high molecular weight adiponectin are independent risk factors for the development of type 2 diabetes in Japanese-Americans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 3873-7	5.6	138
106	Total numbers of undiagnosed carriers of hepatitis C and B viruses in Japan estimated by age- and area-specific prevalence on the national scale. <i>Intervirolgy</i> , 2011 , 54, 185-95	2.5	123
105	DEC1 modulates the circadian phase of clock gene expression. <i>Molecular and Cellular Biology</i> , 2008 , 28, 4080-92	4.8	110
104	Prevalence and clinical implications of testosterone deficiency in men with end-stage renal disease. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 184-90	4.3	109
103	Nitroglycerine-induced vasodilation for assessment of vascular function: a comparison with flow-mediated vasodilation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1401-8	9.4	94
102	Relationship between flow-mediated vasodilation and cardiovascular risk factors in a large community-based study. <i>Heart</i> , 2013 , 99, 1837-42	5.1	93
101	Mesenchymal stem cells ameliorate experimental peritoneal fibrosis by suppressing inflammation and inhibiting TGF- β signaling. <i>Kidney International</i> , 2013 , 84, 297-307	9.9	88
100	Ratio of serum levels of AGEs to soluble form of RAGE is a predictor of endothelial function. <i>Diabetes Care</i> , 2015 , 38, 119-25	14.6	79
99	Hyperbilirubinemia, augmentation of endothelial function, and decrease in oxidative stress in Gilbert syndrome. <i>Circulation</i> , 2012 , 126, 598-603	16.7	79
98	Effect of circulating soluble receptor for advanced glycation end products (sRAGE) and the proinflammatory RAGE ligand (EN-RAGE, S100A12) on mortality in hemodialysis patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010 , 5, 2213-9	6.9	66
97	Inhibition of H3K9 histone methyltransferase G9a attenuates renal fibrosis and retains klotho expression. <i>Kidney International</i> , 2016 , 89, 147-57	9.9	57
96	Effects of fasting and re-feeding on the expression of Dec1, Per1, and other clock-related genes. <i>Journal of Biochemistry</i> , 2006 , 140, 401-8	3.1	55
95	Inhibition of SET Domain-Containing Lysine Methyltransferase 7/9 Ameliorates Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 203-15	12.7	49
94	Protein-energy wasting modifies the association of ghrelin with inflammation, leptin, and mortality in hemodialysis patients. <i>Kidney International</i> , 2011 , 79, 749-56	9.9	49
93	Combination of Flow-Mediated Vasodilation and Nitroglycerine-Induced Vasodilation Is More Effective for Prediction of Cardiovascular Events. <i>Hypertension</i> , 2016 , 67, 1045-52	8.5	48
92	Intima-media thickness of brachial artery, vascular function, and cardiovascular risk factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2295-303	9.4	41
91	Endothelial dysfunction and abnormal vascular structure are simultaneously present in patients with heart failure with preserved ejection fraction. <i>International Journal of Cardiology</i> , 2017 , 231, 181-187 ²		39

90	Rho-associated kinase activity is a predictor of cardiovascular outcomes. <i>Hypertension</i> , 2014 , 63, 856-64	8.5	39
89	Hyperuricemia is independently associated with endothelial dysfunction in postmenopausal women but not in premenopausal women. <i>BMJ Open</i> , 2013 , 3, e003659	3	29
88	Liver X receptors (LXRalpha and LXRbeta) are potent regulators for hepatic Dec1 expression. <i>Genes To Cells</i> , 2009 , 14, 29-40	2.3	27
87	Effect of aldosterone-producing adenoma on endothelial function and Rho-associated kinase activity in patients with primary aldosteronism. <i>Hypertension</i> , 2015 , 65, 841-8	8.5	24
86	Endothelial function is impaired in relation to alcohol intake even in the case of light alcohol consumption in Asian men; Flow-mediated Dilation Japan (FMD-J) Study. <i>International Journal of Cardiology</i> , 2017 , 230, 523-528	3.2	23
85	Protective effects of peroxisome proliferator-activated receptor gamma ligand on apoptosis and hepatocyte growth factor induction in renal ischemia-reperfusion injury. <i>Transplantation</i> , 2007 , 84, 207-13 ⁸	1.8	23
84	Different risk factors for the maximum and the mean carotid intima-media thickness in hemodialysis patients. <i>Internal Medicine</i> , 2003 , 42, 1095-9	1.1	23
83	Relationship between serum triglyceride levels and endothelial function in a large community-based study. <i>Atherosclerosis</i> , 2016 , 249, 70-5	3.1	23
82	Borderline ankle-brachial index value of 0.91-0.99 is associated with endothelial dysfunction. <i>Circulation Journal</i> , 2014 , 78, 1740-5	2.9	22
81	Plasma osteoprotegerin, arterial stiffness, and mortality in normoalbuminemic Japanese hemodialysis patients. <i>Osteoporosis International</i> , 2011 , 22, 1695-701	5.3	22
80	Serum-Free Medium Enhances the Immunosuppressive and Antifibrotic Abilities of Mesenchymal Stem Cells Utilized in Experimental Renal Fibrosis. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 893-905	6.9	22
79	Different circadian expression of major matrix-related genes in various types of cartilage: modulation by light-dark conditions. <i>Journal of Biochemistry</i> , 2013 , 154, 373-81	3.1	20
78	Valproic acid attenuates renal fibrosis through the induction of autophagy. <i>Clinical and Experimental Nephrology</i> , 2017 , 21, 771-780	2.5	19
77	Relationship between nitroglycerine-induced vasodilation and clinical severity of peripheral artery disease. <i>Atherosclerosis</i> , 2014 , 235, 65-70	3.1	19
76	Osteoprotegerin and bone mineral density in hemodialysis patients. <i>Osteoporosis International</i> , 2006 , 17, 841-6	5.3	19
75	HMG-CoA reductase inhibitors prevent bone loss in patients with Type 2 diabetes mellitus. <i>Diabetic Medicine</i> , 2004 , 21, 1020-4	3.5	19
74	Mizoribine ameliorates renal injury and hypertension along with the attenuation of renal caspase-1 expression in aldosterone-salt-treated rats. <i>PLoS ONE</i> , 2014 , 9, e93513	3.7	18
73	Inhibition of the H3K4 methyltransferase SET7/9 ameliorates peritoneal fibrosis. <i>PLoS ONE</i> , 2018 , 13, e0196844	3.7	18

72	Regulation of basic helix-loop-helix transcription factors Dec1 and Dec2 by ROR α and their roles in adipogenesis. <i>Genes To Cells</i> , 2012 , 17, 109-21	2.3	17
71	Critical role of exogenous nitric oxide in ROCK activity in vascular smooth muscle cells. <i>PLoS ONE</i> , 2014 , 9, e109017	3.7	17
70	Poor oral health, that is, decreased frequency of tooth brushing, is associated with endothelial dysfunction. <i>Circulation Journal</i> , 2014 , 78, 950-4	2.9	16
69	Endothelial Function Is Impaired in Patients Receiving Antihypertensive Drug Treatment Regardless of Blood Pressure Level: FMD-J Study (Flow-Mediated Dilation Japan). <i>Hypertension</i> , 2017 , 70, 790-797	8.5	16
68	Effects of vitamin K2 in hemodialysis patients with low serum parathyroid hormone levels. <i>Bone</i> , 2004 , 34, 579-83	4.7	16
67	Brachial artery diameter as a marker for cardiovascular risk assessment: FMD-J study. <i>Atherosclerosis</i> , 2018 , 268, 92-98	3.1	16
66	Dec1 and CLOCK Regulate Na/K-ATPase α Subunit Expression and Blood Pressure. <i>Hypertension</i> , 2018 , 72, 746-754	8.5	15
65	Autologous bone-marrow mesenchymal stem cell implantation and endothelial function in a rabbit ischemic limb model. <i>PLoS ONE</i> , 2013 , 8, e67739	3.7	15
64	Association of nodular hyperplasia with resistance to cinacalcet therapy for secondary hyperparathyroidism in hemodialysis patients. <i>Therapeutic Apheresis and Dialysis</i> , 2010 , 14, 577-82	1.9	15
63	Mizoribine suppresses the progression of experimental peritoneal fibrosis in a rat model. <i>Nephron Experimental Nephrology</i> , 2009 , 112, e59-69		15
62	Endogenous estrogen may prevent bone loss in postmenopausal hemodialysis patients throughout life. <i>Osteoporosis International</i> , 2011 , 22, 1573-9	5.3	14
61	Postprandial metabolic response to a fat- and carbohydrate-rich meal in patients with chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 2231-7	4.3	14
60	Bone mineral density may be related to atherosclerosis in hemodialysis patients. <i>Osteoporosis International</i> , 2003 , 14, 369-73	5.3	14
59	Endothelial Function Assessed by Automatic Measurement of Enclosed Zone Flow-Mediated Vasodilation Using an Oscillometric Method Is an Independent Predictor of Cardiovascular Events. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	14
58	Deubiquitinase inhibitor PR-619 reduces Smad4 expression and suppresses renal fibrosis in mice with unilateral ureteral obstruction. <i>PLoS ONE</i> , 2018 , 13, e0202409	3.7	13
57	Expression of age-related factors during the development of renal damage in patients with IgA nephropathy. <i>Clinical and Experimental Nephrology</i> , 2015 , 19, 830-7	2.5	13
56	Switching from epoetin alpha to darbepoetin alpha in Japanese hemodialysis patients: dose conversion ratio. <i>Nephron Clinical Practice</i> , 2009 , 111, c81-6		13
55	Relation of the Bilateral Earlobe Crease to Endothelial Dysfunction. <i>American Journal of Cardiology</i> , 2017 , 119, 1983-1988	3	12

54	Hepatitis B virus infection in hemodialysis patients in Japan: Prevalence, incidence and occult hepatitis B virus infection. <i>Hepatology Research</i> , 2015 , 45, 1211-9	5.1	12
53	Mesenchymal Stem Cell-Based Therapy Improves Lower Limb Movement After Spinal Cord Ischemia in Rats. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 1523-1530	2.7	12
52	Inhibition of the H3K4 methyltransferase MLL1/WDR5 complex attenuates renal senescence in ischemia reperfusion mice by reduction of p16. <i>Kidney International</i> , 2019 , 96, 1162-1175	9.9	12
51	A novel noninvasive and simple method for assessment of endothelial function: enclosed zone flow-mediated vasodilation (ezFMD) using an oscillation amplitude measurement. <i>Atherosclerosis</i> , 2013 , 229, 324-30	3.1	12
50	Inhibition of H3K9 methyltransferase G9a ameliorates methylglyoxal-induced peritoneal fibrosis. <i>PLoS ONE</i> , 2017 , 12, e0173706	3.7	12
49	Telomeric g-tail length and hospitalization for cardiovascular events in hemodialysis patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014 , 9, 2117-22	6.9	11
48	Low serum testosterone is associated with atherosclerosis in postmenopausal women undergoing hemodialysis. <i>Clinical and Experimental Nephrology</i> , 2014 , 18, 499-506	2.5	10
47	Vascular Function and Intima-media Thickness of a Leg Artery in Peripheral Artery Disease: A Comparison of Buerger Disease and Atherosclerotic Peripheral Artery Disease. <i>Journal of Atherosclerosis and Thrombosis</i> , 2016 , 23, 1261-1269	4	10
46	Rho-associated kinase activity is an independent predictor of cardiovascular events in acute coronary syndrome. <i>Hypertension</i> , 2015 , 66, 892-9	8.5	9
45	Increasing Risk of Osteoporotic Fracture Is Associated With Vascular Dysfunction and Abnormal Vascular Structure in Both Men and Women. <i>Circulation Journal</i> , 2017 , 81, 862-869	2.9	9
44	Interrelationships Among Flow-Mediated Vasodilation, Nitroglycerine-Induced Vasodilation, Baseline Brachial Artery Diameter, Hyperemic Shear Stress, and Cardiovascular Risk Factors. <i>Journal of the American Heart Association</i> , 2017 , 7,	6	9
43	Optimal Target Level of Low-density Lipoprotein Cholesterol for Vascular Function in Statin Naïve Individuals. <i>Scientific Reports</i> , 2017 , 7, 8422	4.9	9
42	Linagliptin Ameliorates Methylglyoxal-Induced Peritoneal Fibrosis in Mice. <i>PLoS ONE</i> , 2016 , 11, e0160993	3.7	9
41	Review of the Long-term Effects of Autologous Bone-Marrow Mononuclear Cell Implantation on Clinical Outcomes in Patients with Critical Limb Ischemia. <i>Scientific Reports</i> , 2019 , 9, 7711	4.9	8
40	Response of secondary hyperparathyroidism to cinacalcet depends on parathyroid size. <i>Nephron Clinical Practice</i> , 2010 , 114, c187-93		8
39	C-C chemokine receptor 2 expression by circulating monocytes influences atherosclerosis in patients on chronic hemodialysis. <i>Therapeutic Apheresis and Dialysis</i> , 2009 , 13, 205-12	1.9	8
38	High-normal albuminuria is strongly associated with incident chronic kidney disease in a nondiabetic population with normal range of albuminuria and normal kidney function. <i>Clinical and Experimental Nephrology</i> , 2020 , 24, 435-443	2.5	7
37	15-Deoxy-Delta12,14-prostaglandin J2 inhibits angiotensin II-induced fibronectin expression via hepatocyte growth factor induction in human peritoneal mesothelial cells. <i>Therapeutic Apheresis and Dialysis</i> , 2010 , 14, 43-51	1.9	7

36	Circulating level of pigment epithelium-derived factor is associated with vascular function and structure: A cross-sectional study. <i>International Journal of Cardiology</i> , 2016 , 225, 91-95	3.2	7
35	High glucose promotes TGF- β production by inducing FOS expression in human peritoneal mesothelial cells. <i>Clinical and Experimental Nephrology</i> , 2016 , 20, 30-8	2.5	6
34	Chronic kidney disease is associated with vascular smooth muscle dysfunction but not with endothelial dysfunction. <i>International Journal of Cardiology</i> , 2018 , 254, 284-290	3.2	6
33	Performance of polysulfone membrane dialyzers and dialysate flow pattern. <i>Clinical and Experimental Nephrology</i> , 2006 , 10, 210-5	2.5	6
32	Nitroglycerine-induced vasodilation in coronary and brachial arteries in patients with suspected coronary artery disease. <i>International Journal of Cardiology</i> , 2016 , 219, 312-6	3.2	6
31	Deficiency of the basic helix-loop-helix transcription factor DEC1 prevents obesity induced by a high-fat diet in mice. <i>Genes To Cells</i> , 2018 , 23, 658	2.3	6
30	Exogenous nitric oxide inhibits Rho-associated kinase activity in patients with angina pectoris: a randomized controlled trial. <i>Hypertension Research</i> , 2015 , 38, 485-90	4.7	5
29	Endothelial dysfunction, abnormal vascular structure and lower urinary tract symptoms in men and women. <i>International Journal of Cardiology</i> , 2018 , 261, 196-203	3.2	5
28	High-normal albuminuria and incident chronic kidney disease in a male nondiabetic population. <i>Clinical and Experimental Nephrology</i> , 2018 , 22, 835-842	2.5	5
27	Tocilizumab histologically improved AA renal amyloidosis in a patient with multicentric Castleman disease: A case report?. <i>Clinical Nephrology</i> , 2018 , 90, 232-236	2.1	5
26	Ionizing Irradiation Induces Vascular Damage in the Aorta of Wild-Type Mice. <i>Cancers</i> , 2020 , 12,	6.6	5
25	Decreased frequency and duration of tooth brushing is a risk factor for endothelial dysfunction. <i>International Journal of Cardiology</i> , 2017 , 241, 30-34	3.2	4
24	Reactive hyperemia-peripheral arterial tonometry is useful for assessment of not only endothelial function but also stenosis of the digital artery. <i>International Journal of Cardiology</i> , 2018 , 260, 178-183	3.2	4
23	Flow-mediated vasodilation and anatomical variation of the brachial artery (double brachial artery) in healthy subjects and patients with cardiovascular disease. <i>Circulation Journal</i> , 2013 , 77, 1073-80	2.9	4
22	Serum cross-linked N-terminal telopeptide of type I collagen for evaluation of renal osteodystrophy in hemodialysis patients. <i>Nephron Clinical Practice</i> , 2005 , 99, c78-85		4
21	Efficacy of add-on therapy of aliskiren to an angiotensin II receptor blocker on renal outcomes in advanced-stage chronic kidney disease: a prospective, randomized, open-label study. <i>Clinical and Experimental Nephrology</i> , 2015 , 19, 631-8	2.5	3
20	New assessment of endothelial function measured by short time flow-mediated vasodilation: Comparison with conventional flow-mediated vasodilation measurement. <i>International Journal of Cardiology</i> , 2018 , 265, 24-29	3.2	3
19	Reduction in blood pressure improves impaired nitroglycerine-induced vasodilation in patients with essential hypertension. <i>Hypertension Research</i> , 2015 , 38, 862-8	4.7	3

18	The serum lipids levels may be underestimated in patients on hemodialysis. <i>Internal Medicine</i> , 2015 , 54, 887-94	1.1	3
17	Vitamin K alters bone metabolism markers in hemodialysis patients with a low serum parathyroid hormone level. <i>Nephron Clinical Practice</i> , 2011 , 117, c15-9		3
16	Daily Low-intensity Pulsed Ultrasound Ameliorates Renal Fibrosis and Inflammation in Experimental Hypertensive and Diabetic Nephropathy. <i>Hypertension</i> , 2020 , 76, 1906-1914	8.5	3
15	Mesenchymal stem cells cultured in serum-free medium ameliorate experimental peritoneal fibrosis. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 203	8.3	3
14	N-terminal pro brain natriuretic peptide as a cardiac biomarker in Japanese hemodialysis patients. <i>International Journal of Artificial Organs</i> , 2018 , 41, 135-143	1.9	2
13	Na-Cl cotransporter-mediated chloride uptake contributes to hypertension and renal damage in aldosterone-infused rats. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F300-F312	4.3	2
12	Effect of Saxagliptin on Endothelial Function in Patients with Type 2 Diabetes: A Prospective Multicenter Study. <i>Scientific Reports</i> , 2019 , 9, 10206	4.9	2
11	The Identification of Marker Genes for Predicting the Osteogenic Differentiation Potential of Mesenchymal Stromal Cells.. <i>Current Issues in Molecular Biology</i> , 2021 , 43, 2157-2166	2.9	2
10	Localization and Maintenance of Engrafted Mesenchymal Stem Cells Administered via Renal Artery in Kidneys with Ischemia-Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
9	TGF- β promotes expression of fibrosis-related genes through the induction of histone variant H3.3 and histone chaperone HIRA. <i>Scientific Reports</i> , 2018 , 8, 14060	4.9	2
8	Serum-free medium and hypoxic preconditioning synergistically enhance the therapeutic effects of mesenchymal stem cells on experimental renal fibrosis. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 472	8.3	2
7	Vascular Dysfunction Predicts Future Deterioration of Left Ventricular Ejection Fraction in Patients with Heart Failure with Mildly Reduced Ejection Fraction.. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
6	Klotho deficiency intensifies hypoxia-induced expression of IFN- γ through upregulation of RIG-I in kidneys. <i>PLoS ONE</i> , 2021 , 16, e0258856	3.7	1
5	Implantation of Hypoxia-Induced Mesenchymal Stem Cell Advances Therapeutic Angiogenesis.. <i>Stem Cells International</i> , 2022 , 2022, 6795274	5	0
4	pH after the first session of direct hemoperfusion with polymyxin B-immobilized fibers predicts mortality in patients with sepsis and septic shock. <i>Clinical and Experimental Nephrology</i> , 2018 , 22, 1167-1173	11.5	
3	Morning blood pressure is useful for detection of left ventricular hypertrophy in hemodialysis patients. <i>Clinical and Experimental Nephrology</i> , 2012 , 16, 921-9	2.5	
2	Osteoprotegerin and bone mineral density in hemodialysis patients: reply to letter by Olivieri et al.. <i>Osteoporosis International</i> , 2006 , 17, 1824-1824	5.3	
1	Low-intensity pulsed ultrasound decreases major amputation in patients with critical limb ischemia: 5-year follow-up study. <i>PLoS ONE</i> , 2021 , 16, e0256504	3.7	

