

# Ayumu Nakashima

## List of Publications by Year in Descending Order

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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	Implantation of Hypoxia-Induced Mesenchymal Stem Cell Advances Therapeutic Angiogenesis.. <i>Stem Cells International</i> , <b>2022</b> , 2022, 6795274	5	0
106	The Identification of Marker Genes for Predicting the Osteogenic Differentiation Potential of Mesenchymal Stromal Cells.. <i>Current Issues in Molecular Biology</i> , <b>2021</b> , 43, 2157-2166	2.9	2
105	Klotho deficiency intensifies hypoxia-induced expression of IFN- $\gamma$ through upregulation of RIG-I in kidneys. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258856	3.7	1
104	Mesenchymal stem cells cultured in serum-free medium ameliorate experimental peritoneal fibrosis. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 203	8.3	3
103	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> , <b>2021</b> , 22,	6.3	2
102	Low-intensity pulsed ultrasound decreases major amputation in patients with critical limb ischemia: 5-year follow-up study. <i>PLoS ONE</i> , <b>2021</b> , 16, e0256504	3.7	
101	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> , <b>2021</b> , 12, 472	8.3	2
100	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> , <b>2021</b> , 10,	5.1	2
99	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> , <b>2020</b> , 24, 435-443	2.5	7
98	Ionizing Irradiation Induces Vascular Damage in the Aorta of Wild-Type Mice. <i>Cancers</i> , <b>2020</b> , 12,	6.6	5
97	Daily Low-intensity Pulsed Ultrasound Ameliorates Renal Fibrosis and Inflammation in Experimental Hypertensive and Diabetic Nephropathy. <i>Hypertension</i> , <b>2020</b> , 76, 1906-1914	8.5	3
96	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> , <b>2019</b> , 9, 7711	4.9	8
95	Inhibition of the H3K4 methyltransferase MLL1/WDR5 complex attenuates renal senescence in ischemia reperfusion mice by reduction of p16. <i>Kidney International</i> , <b>2019</b> , 96, 1162-1175	9.9	12
94	Effect of Saxagliptin on Endothelial Function in Patients with Type 2 Diabetes: A Prospective Multicenter Study. <i>Scientific Reports</i> , <b>2019</b> , 9, 10206	4.9	2
93	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> , <b>2018</b> , 22, 1167-1173	11.7	5
92	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> , <b>2018</b> , 260, 178-183	3.2	4
91	Endothelial dysfunction, abnormal vascular structure and lower urinary tract symptoms in men and women. <i>International Journal of Cardiology</i> , <b>2018</b> , 261, 196-203	3.2	5

90	Chronic kidney disease is associated with vascular smooth muscle dysfunction but not with endothelial dysfunction. <i>International Journal of Cardiology</i> , <b>2018</b> , 254, 284-290	3.2	6
89	Mesenchymal Stem Cell-Based Therapy Improves Lower Limb Movement After Spinal Cord Ischemia in Rats. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 105, 1523-1530	2.7	12
88	High-normal albuminuria and incident chronic kidney disease in a male nondiabetic population. <i>Clinical and Experimental Nephrology</i> , <b>2018</b> , 22, 835-842	2.5	5
87	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> , <b>2018</b> , 265, 24-29	3.2	3
86	N-terminal pro brain natriuretic peptide as a cardiac biomarker in Japanese hemodialysis patients. <i>International Journal of Artificial Organs</i> , <b>2018</b> , 41, 135-143	1.9	2
85	Dec1 and CLOCK Regulate Na/K-ATPase $\alpha$ Subunit Expression and Blood Pressure. <i>Hypertension</i> , <b>2018</b> , 72, 746-754	8.5	15
84	Na-Cl cotransporter-mediated chloride uptake contributes to hypertension and renal damage in aldosterone-infused rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F300-F312	4.3	2
83	Deubiquitinase inhibitor PR-619 reduces Smad4 expression and suppresses renal fibrosis in mice with unilateral ureteral obstruction. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202409	3.7	13
82	Tocilizumab histologically improved AA renal amyloidosis in a patient with multicentric Castleman disease: A case report?. <i>Clinical Nephrology</i> , <b>2018</b> , 90, 232-236	2.1	5
81	Brachial artery diameter as a marker for cardiovascular risk assessment: FMD-J study. <i>Atherosclerosis</i> , <b>2018</b> , 268, 92-98	3.1	16
80	TGF- $\beta$ promotes expression of fibrosis-related genes through the induction of histone variant H3.3 and histone chaperone HIRA. <i>Scientific Reports</i> , <b>2018</b> , 8, 14060	4.9	2
79	Serum-Free Medium Enhances the Immunosuppressive and Antifibrotic Abilities of Mesenchymal Stem Cells Utilized in Experimental Renal Fibrosis. <i>Stem Cells Translational Medicine</i> , <b>2018</b> , 7, 893-905	6.9	22
78	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> , <b>2018</b> , 23, 658	2.3	6
77	Inhibition of the H3K4 methyltransferase SET7/9 ameliorates peritoneal fibrosis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196844	3.7	18
76	Endothelial dysfunction and abnormal vascular structure are simultaneously present in patients with heart failure with preserved ejection fraction. <i>International Journal of Cardiology</i> , <b>2017</b> , 231, 181-187 <sup>2</sup>	3.2	39
75	Relation of the Bilateral Earlobe Crease to Endothelial Dysfunction. <i>American Journal of Cardiology</i> , <b>2017</b> , 119, 1983-1988	3	12
74	Decreased frequency and duration of tooth brushing is a risk factor for endothelial dysfunction. <i>International Journal of Cardiology</i> , <b>2017</b> , 241, 30-34	3.2	4
73	Endothelial function is impaired in relation to alcohol intake even in the case of light alcohol consumption in Asian men; Flow-mediated Dilatation Japan (FMD-J) Study. <i>International Journal of Cardiology</i> , <b>2017</b> , 230, 523-528	3.2	23

72	Valproic acid attenuates renal fibrosis through the induction of autophagy. <i>Clinical and Experimental Nephrology</i> , <b>2017</b> , 21, 771-780	2.5	19
71	Increasing Risk of Osteoporotic Fracture Is Associated With Vascular Dysfunction and Abnormal Vascular Structure in Both Men and Women. <i>Circulation Journal</i> , <b>2017</b> , 81, 862-869	2.9	9
70	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> , <b>2017</b> , 7,	6	9
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> , <b>2017</b> , 70, 790-797	8.5	16
68	Optimal Target Level of Low-density Lipoprotein Cholesterol for Vascular Function in Statin Naïve Individuals. <i>Scientific Reports</i> , <b>2017</b> , 7, 8422	4.9	9
67	Inhibition of H3K9 methyltransferase G9a ameliorates methylglyoxal-induced peritoneal fibrosis. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173706	3.7	12
66	High glucose promotes TGF- $\beta$ production by inducing FOS expression in human peritoneal mesothelial cells. <i>Clinical and Experimental Nephrology</i> , <b>2016</b> , 20, 30-8	2.5	6
65	Inhibition of H3K9 histone methyltransferase G9a attenuates renal fibrosis and retains klotho expression. <i>Kidney International</i> , <b>2016</b> , 89, 147-57	9.9	57
64	Inhibition of SET Domain-Containing Lysine Methyltransferase 7/9 Ameliorates Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 203-15	12.7	49
63	Linagliptin Ameliorates Methylglyoxal-Induced Peritoneal Fibrosis in Mice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160993	3.7	9
62	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> , <b>2016</b> , 23, 1261-1269	4	10
61	Nitroglycerine-induced vasodilation in coronary and brachial arteries in patients with suspected coronary artery disease. <i>International Journal of Cardiology</i> , <b>2016</b> , 219, 312-6	3.2	6
60	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> , <b>2016</b> , 5,	6	14
59	Relationship between serum triglyceride levels and endothelial function in a large community-based study. <i>Atherosclerosis</i> , <b>2016</b> , 249, 70-5	3.1	23
58	Combination of Flow-Mediated Vasodilation and Nitroglycerine-Induced Vasodilation Is More Effective for Prediction of Cardiovascular Events. <i>Hypertension</i> , <b>2016</b> , 67, 1045-52	8.5	48
57	Circulating level of pigment epithelium-derived factor is associated with vascular function and structure: A cross-sectional study. <i>International Journal of Cardiology</i> , <b>2016</b> , 225, 91-95	3.2	7
56	Hepatitis B virus infection in hemodialysis patients in Japan: Prevalence, incidence and occult hepatitis B virus infection. <i>Hepatology Research</i> , <b>2015</b> , 45, 1211-9	5.1	12
55	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> , <b>2015</b> , 19, 631-8	2.5	3

54	Exogenous nitric oxide inhibits Rho-associated kinase activity in patients with angina pectoris: a randomized controlled trial. <i>Hypertension Research</i> , <b>2015</b> , 38, 485-90	4.7	5
53	Rho-associated kinase activity is an independent predictor of cardiovascular events in acute coronary syndrome. <i>Hypertension</i> , <b>2015</b> , 66, 892-9	8.5	9
52	Reduction in blood pressure improves impaired nitroglycerine-induced vasodilation in patients with essential hypertension. <i>Hypertension Research</i> , <b>2015</b> , 38, 862-8	4.7	3
51	The serum lipids levels may be underestimated in patients on hemodialysis. <i>Internal Medicine</i> , <b>2015</b> , 54, 887-94	1.1	3
50	Effect of aldosterone-producing adenoma on endothelial function and Rho-associated kinase activity in patients with primary aldosteronism. <i>Hypertension</i> , <b>2015</b> , 65, 841-8	8.5	24
49	Ratio of serum levels of AGEs to soluble form of RAGE is a predictor of endothelial function. <i>Diabetes Care</i> , <b>2015</b> , 38, 119-25	14.6	79
48	Expression of age-related factors during the development of renal damage in patients with IgA nephropathy. <i>Clinical and Experimental Nephrology</i> , <b>2015</b> , 19, 830-7	2.5	13
47	Relationship between nitroglycerine-induced vasodilation and clinical severity of peripheral artery disease. <i>Atherosclerosis</i> , <b>2014</b> , 235, 65-70	3.1	19
46	Poor oral health, that is, decreased frequency of tooth brushing, is associated with endothelial dysfunction. <i>Circulation Journal</i> , <b>2014</b> , 78, 950-4	2.9	16
45	Borderline ankle-brachial index value of 0.91-0.99 is associated with endothelial dysfunction. <i>Circulation Journal</i> , <b>2014</b> , 78, 1740-5	2.9	22
44	Mizoribine ameliorates renal injury and hypertension along with the attenuation of renal caspase-1 expression in aldosterone-salt-treated rats. <i>PLoS ONE</i> , <b>2014</b> , 9, e93513	3.7	18
43	Telomeric g-tail length and hospitalization for cardiovascular events in hemodialysis patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2014</b> , 9, 2117-22	6.9	11
42	Rho-associated kinase activity is a predictor of cardiovascular outcomes. <i>Hypertension</i> , <b>2014</b> , 63, 856-64	8.5	39
41	Low serum testosterone is associated with atherosclerosis in postmenopausal women undergoing hemodialysis. <i>Clinical and Experimental Nephrology</i> , <b>2014</b> , 18, 499-506	2.5	10
40	Critical role of exogenous nitric oxide in ROCK activity in vascular smooth muscle cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e109017	3.7	17
39	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> , <b>2013</b> , 229, 324-30	3.1	12
38	Hyperuricemia is independently associated with endothelial dysfunction in postmenopausal women but not in premenopausal women. <i>BMJ Open</i> , <b>2013</b> , 3, e003659	3	29
37	Relationship between flow-mediated vasodilation and cardiovascular risk factors in a large community-based study. <i>Heart</i> , <b>2013</b> , 99, 1837-42	5.1	93

36	Mesenchymal stem cells ameliorate experimental peritoneal fibrosis by suppressing inflammation and inhibiting TGF- $\beta$ signaling. <i>Kidney International</i> , <b>2013</b> , 84, 297-307	9.9	88
35	Nitroglycerine-induced vasodilation for assessment of vascular function: a comparison with flow-mediated vasodilation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 1401-8	9.4	94
34	Different circadian expression of major matrix-related genes in various types of cartilage: modulation by light-dark conditions. <i>Journal of Biochemistry</i> , <b>2013</b> , 154, 373-81	3.1	20
33	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> , <b>2013</b> , 77, 1073-80	2.9	4
32	Autologous bone-marrow mesenchymal stem cell implantation and endothelial function in a rabbit ischemic limb model. <i>PLoS ONE</i> , <b>2013</b> , 8, e67739	3.7	15
31	Morning blood pressure is useful for detection of left ventricular hypertrophy in hemodialysis patients. <i>Clinical and Experimental Nephrology</i> , <b>2012</b> , 16, 921-9	2.5	
30	Hyperbilirubinemia, augmentation of endothelial function, and decrease in oxidative stress in Gilbert syndrome. <i>Circulation</i> , <b>2012</b> , 126, 598-603	16.7	79
29	Regulation of basic helix-loop-helix transcription factors Dec1 and Dec2 by ROR $\alpha$ and their roles in adipogenesis. <i>Genes To Cells</i> , <b>2012</b> , 17, 109-21	2.3	17
28	Intima-media thickness of brachial artery, vascular function, and cardiovascular risk factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 2295-303	9.4	41
27	Endogenous estrogen may prevent bone loss in postmenopausal hemodialysis patients throughout life. <i>Osteoporosis International</i> , <b>2011</b> , 22, 1573-9	5.3	14
26	Plasma osteoprotegerin, arterial stiffness, and mortality in normoalbuminemic Japanese hemodialysis patients. <i>Osteoporosis International</i> , <b>2011</b> , 22, 1695-701	5.3	22
25	Prevalence and clinical implications of testosterone deficiency in men with end-stage renal disease. <i>Nephrology Dialysis Transplantation</i> , <b>2011</b> , 26, 184-90	4.3	109
24	Vitamin K $\alpha$ alters bone metabolism markers in hemodialysis patients with a low serum parathyroid hormone level. <i>Nephron Clinical Practice</i> , <b>2011</b> , 117, c15-9		3
23	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>Intervirology</i> , <b>2011</b> , 54, 185-95	2.5	123
22	Postprandial metabolic response to a fat- and carbohydrate-rich meal in patients with chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , <b>2011</b> , 26, 2231-7	4.3	14
21	Protein-energy wasting modifies the association of ghrelin with inflammation, leptin, and mortality in hemodialysis patients. <i>Kidney International</i> , <b>2011</b> , 79, 749-56	9.9	49
20	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> , <b>2010</b> , 14, 43-51	1.9	7
19	Association of nodular hyperplasia with resistance to cinacalcet therapy for secondary hyperparathyroidism in hemodialysis patients. <i>Therapeutic Apheresis and Dialysis</i> , <b>2010</b> , 14, 577-82	1.9	15

18	Response of secondary hyperparathyroidism to cinacalcet depends on parathyroid size. <i>Nephron Clinical Practice</i> , <b>2010</b> , 114, c187-93		8
17	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> , <b>2010</b> , 5, 2213-9	6.9	66
16	Mizoribine suppresses the progression of experimental peritoneal fibrosis in a rat model. <i>Nephron Experimental Nephrology</i> , <b>2009</b> , 112, e59-69		15
15	Switching from epoetin alpha to darbepoetin alpha in Japanese hemodialysis patients: dose conversion ratio. <i>Nephron Clinical Practice</i> , <b>2009</b> , 111, c81-6		13
14	Liver X receptors (LXRalpha and LXRbeta) are potent regulators for hepatic Dec1 expression. <i>Genes To Cells</i> , <b>2009</b> , 14, 29-40	2.3	27
13	C-C chemokine receptor 2 expression by circulating monocytes influences atherosclerosis in patients on chronic hemodialysis. <i>Therapeutic Apheresis and Dialysis</i> , <b>2009</b> , 13, 205-12	1.9	8
12	DEC1 modulates the circadian phase of clock gene expression. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 4080-92	4.8	110
11	Protective effects of peroxisome proliferator-activated receptor gamma ligand on apoptosis and hepatocyte growth factor induction in renal ischemia-reperfusion injury. <i>Transplantation</i> , <b>2007</b> , 84, 207-13 <sup>1,8</sup>		23
10	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> , <b>2006</b> , 91, 3873-7	5.6	138
9	Effects of fasting and re-feeding on the expression of Dec1, Per1, and other clock-related genes. <i>Journal of Biochemistry</i> , <b>2006</b> , 140, 401-8	3.1	55
8	Performance of polysulfone membrane dialyzers and dialysate flow pattern. <i>Clinical and Experimental Nephrology</i> , <b>2006</b> , 10, 210-5	2.5	6
7	Osteoprotegerin and bone mineral density in hemodialysis patients. <i>Osteoporosis International</i> , <b>2006</b> , 17, 841-6	5.3	19
6	Osteoprotegerin and bone mineral density in hemodialysis patients: reply to letter by Ulivieri et al.. <i>Osteoporosis International</i> , <b>2006</b> , 17, 1824-1824	5.3	
5	Serum cross-linked N-terminal telopeptide of type I collagen for evaluation of renal osteodystrophy in hemodialysis patients. <i>Nephron Clinical Practice</i> , <b>2005</b> , 99, c78-85		4
4	HMG-CoA reductase inhibitors prevent bone loss in patients with Type 2 diabetes mellitus. <i>Diabetic Medicine</i> , <b>2004</b> , 21, 1020-4	3.5	19
3	Effects of vitamin K2 in hemodialysis patients with low serum parathyroid hormone levels. <i>Bone</i> , <b>2004</b> , 34, 579-83	4.7	16
2	Different risk factors for the maximum and the mean carotid intima-media thickness in hemodialysis patients. <i>Internal Medicine</i> , <b>2003</b> , 42, 1095-9	1.1	23
1	Bone mineral density may be related to atherosclerosis in hemodialysis patients. <i>Osteoporosis International</i> , <b>2003</b> , 14, 369-73	5.3	14

