

Ayumu Nakashima

List of Publications by Year in descending order

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112
papers

3,068
citations

201674
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docs citations

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times ranked

4506
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 3873-3877.	3.6	151
2	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> , 2011, 54, 185-195.	2.8	146
3	Prevalence and clinical implications of testosterone deficiency in men with end-stage renal disease. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 184-190.	0.7	144
4	DEC1 Modulates the Circadian Phase of Clock Gene Expression. <i>Molecular and Cellular Biology</i> , 2008, 28, 4080-4092.	2.3	139
5	Relationship between flow-mediated vasodilation and cardiovascular risk factors in a large community-based study. <i>Heart</i> , 2013, 99, 1837-1842.	2.9	117
6	Nitroglycerine-Induced Vasodilation for Assessment of Vascular Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1401-1408.	2.4	117
7	Mesenchymal stem cells ameliorate experimental peritoneal fibrosis by suppressing inflammation and inhibiting TGF- β 1 signaling. <i>Kidney International</i> , 2013, 84, 297-307.	5.2	104
8	Hyperbilirubinemia, Augmentation of Endothelial Function, and Decrease in Oxidative Stress in Gilbert Syndrome. <i>Circulation</i> , 2012, 126, 598-603.	1.6	99
9	Ratio of Serum Levels of AGEs to Soluble Form of RAGE Is a Predictor of Endothelial Function. <i>Diabetes Care</i> , 2015, 38, 119-125.	8.6	95
10	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, 2213-2219.	4.5	83
11	Inhibition of H3K9 histone methyltransferase G9a attenuates renal fibrosis and retains klotho expression. <i>Kidney International</i> , 2016, 89, 147-157.	5.2	79
12	Inhibition of SET Domain-Containing Lysine Methyltransferase 7/9 Ameliorates Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 203-215.	6.1	77
13	Effects of Fasting and Re-Feeding on the Expression of Dec1, Per1, and Other Clock-Related Genes. <i>Journal of Biochemistry</i> , 2006, 140, 401-408.	1.7	64
14	Protein-energy wasting modifies the association of ghrelin with inflammation, leptin, and mortality in hemodialysis patients. <i>Kidney International</i> , 2011, 79, 749-756.	5.2	60
15	Combination of Flow-Mediated Vasodilation and Nitroglycerine-Induced Vasodilation Is More Effective for Prediction of Cardiovascular Events. <i>Hypertension</i> , 2016, 67, 1045-1052.	2.7	59
16	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.	1.7	55
17	Intima-Media Thickness of Brachial Artery, Vascular Function, and Cardiovascular Risk Factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2295-2303.	2.4	50
18	Hyperuricemia is independently associated with endothelial dysfunction in postmenopausal women but not in premenopausal women. <i>BMJ Open</i> , 2013, 3, e003659.	1.9	40

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19	Rho-Associated Kinase Activity Is a Predictor of Cardiovascular Outcomes. <i>Hypertension</i> , 2014, 63, 856-864.	2.7	40
20	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.	3.3	39
21	Effect of Aldosterone-Producing Adenoma on Endothelial Function and Rho-Associated Kinase Activity in Patients With Primary Aldosteronism. <i>Hypertension</i> , 2015, 65, 841-848.	2.7	36
22	Relationship between serum triglyceride levels and endothelial function in a large community-based study. <i>Atherosclerosis</i> , 2016, 249, 70-75.	0.8	36
23	Different Risk Factors for the Maximum and the Mean Carotid Intima-media Thickness in Hemodialysis Patients. <i>Internal Medicine</i> , 2003, 42, 1095-1099.	0.7	34
24	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.	1.7	32
25	Dec1 and CLOCK Regulate Na ⁺ /K ⁺ -ATPase α 1 Subunit Expression and Blood Pressure. <i>Hypertension</i> , 2018, 72, 746-754.	2.7	32
26	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.	5.2	31
27	Protective Effects of Peroxisome Proliferator-Activated Receptor γ Ligand on Apoptosis and Hepatocyte Growth Factor Induction in Renal Ischemia-Reperfusion Injury. <i>Transplantation</i> , 2007, 84, 207-213.	1.0	30
28	Liver X receptors (LXR α and LXR β) are potent regulators for hepatic <i>Dec1</i> expression. <i>Genes To Cells</i> , 2009, 14, 29-40.	1.2	30
29	Valproic acid attenuates renal fibrosis through the induction of autophagy. <i>Clinical and Experimental Nephrology</i> , 2017, 21, 771-780.	1.6	29
30	Inhibition of the H3K4 methyltransferase SET7/9 ameliorates peritoneal fibrosis. <i>PLoS ONE</i> , 2018, 13, e0196844.	2.5	29
31	Borderline Ankle-Brachial Index Value of 0.91–0.99 Is Associated With Endothelial Dysfunction. <i>Circulation Journal</i> , 2014, 78, 1740-1745.	1.6	28
32	Endothelial Function Is Impaired in Patients Receiving Antihypertensive Drug Treatment Regardless of Blood Pressure Level. <i>Hypertension</i> , 2017, 70, 790-797.	2.7	27
33	Plasma osteoprotegerin, arterial stiffness, and mortality in normoalbuminemic Japanese hemodialysis patients. <i>Osteoporosis International</i> , 2011, 22, 1695-1701.	3.1	26
34	Brachial artery diameter as a marker for cardiovascular risk assessment: FMD-J study. <i>Atherosclerosis</i> , 2018, 268, 92-98.	0.8	26
35	Relationship between nitroglycerine-induced vasodilation and clinical severity of peripheral artery disease. <i>Atherosclerosis</i> , 2014, 235, 65-70.	0.8	25
36	Poor Oral Health, That Is, Decreased Frequency of Tooth Brushing, Is Associated With Endothelial Dysfunction. <i>Circulation Journal</i> , 2014, 78, 950-954.	1.6	25

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37	Different circadian expression of major matrix-related genes in various types of cartilage: modulation by lightâ€“dark conditions. <i>Journal of Biochemistry</i> , 2013, 154, 373-381.	1.7	24
38	Autologous Bone-Marrow Mesenchymal Stem Cell Implantation and Endothelial Function in a Rabbit Ischemic Limb Model. <i>PLoS ONE</i> , 2013, 8, e67739.	2.5	24
39	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.	2.5	24
40	HMG-CoA reductase inhibitors prevent bone loss in patients with TypeÂ2 diabetes mellitus. <i>Diabetic Medicine</i> , 2004, 21, 1020-1024.	2.3	23
41	Osteoprotegerin and bone mineral density in hemodialysis patients. <i>Osteoporosis International</i> , 2006, 17, 841-846.	3.1	22
42	Regulation of basic helixâ€“loopâ€“helix transcription factors <i>Dec1</i> and <i>Dec2</i> by RORÎ± and their roles in adipogenesis ^{&#x2014;} . <i>Genes To Cells</i> , 2012, 17, 109-121.	1.2	22
43	Deubiquitinase inhibitor PR-619 reduces Smad4 expression and suppresses renal fibrosis in mice with unilateral ureteral obstruction. <i>PLoS ONE</i> , 2018, 13, e0202409.	2.5	22
44	Critical Role of Exogenous Nitric Oxide in ROCK Activity in Vascular Smooth Muscle Cells. <i>PLoS ONE</i> , 2014, 9, e109017.	2.5	21
45	Association of Nodular Hyperplasia With Resistance to Cinacalcet Therapy for Secondary Hyperparathyroidism in Hemodialysis Patients. <i>Therapeutic Apheresis and Dialysis</i> , 2010, 14, 577-582.	0.9	20
46	Endothelial Function Assessed by Automatic Measurement of Enclosed Zone Flowâ€“Mediated Vasodilation Using an Oscillometric Method Is an Independent Predictor of Cardiovascular Events. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	19
47	Bone mineral density may be related to atherosclerosis in hemodialysis patients. <i>Osteoporosis International</i> , 2003, 14, 369-373.	3.1	18
48	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, 2117-2122.	4.5	18
49	Effects of vitamin K2 in hemodialysis patients with low serum parathyroid hormone levels. <i>Bone</i> , 2004, 34, 579-583.	2.9	17
50	Mizoribine Suppresses the Progression of Experimental Peritoneal Fibrosis in a Rat Model. <i>Nephron Experimental Nephrology</i> , 2009, 112, e59-e69.	2.2	17
51	Endogenous estrogen may prevent bone loss in postmenopausal hemodialysis patients throughout life. <i>Osteoporosis International</i> , 2011, 22, 1573-1579.	3.1	17
52	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, 324-330.	0.8	17
53	Inhibition of H3K9 methyltransferase G9a ameliorates methylglyoxal-induced peritoneal fibrosis. <i>PLoS ONE</i> , 2017, 12, e0173706.	2.5	17
54	Postprandial metabolic response to a fat- and carbohydrate-rich meal in patients with chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 2231-2237.	0.7	16

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55	Switching from Epoetin Alpha to Darbepoetin Alpha in Japanese Hemodialysis Patients: Dose Conversion Ratio. <i>Nephron Clinical Practice</i> , 2009, 111, c81-c86.	2.3	15
56	Optimal Target Level of Low-density Lipoprotein Cholesterol for Vascular Function in Statin Na ⁺ -ve Individuals. <i>Scientific Reports</i> , 2017, 7, 8422.	3.3	15
57	Deficiency of the basic helix-loop-helix transcription factor <scp>DEC</scp> 1 prevents obesity induced by a high-fat diet in mice. <i>Genes To Cells</i> , 2018, 23, 658-669.	1.2	15
58	Expression of age-related factors during the development of renal damage in patients with IgA nephropathy. <i>Clinical and Experimental Nephrology</i> , 2015, 19, 830-837.	1.6	14
59	Relation of the Bilateral Earlobe Crease to Endothelial Dysfunction. <i>American Journal of Cardiology</i> , 2017, 119, 1983-1988.	1.6	14
60	Decreased frequency and duration of tooth brushing is a risk factor for endothelial dysfunction. <i>International Journal of Cardiology</i> , 2017, 241, 30-34.	1.7	14
61	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.	1.6	14
62	Lower Geriatric Nutritional Risk Index (GNRI) Is Associated with Higher Risk of Fractures in Patients Undergoing Hemodialysis. <i>Nutrients</i> , 2021, 13, 2847.	4.1	14
63	Response of Secondary Hyperparathyroidism to Cinacalcet Depends on Parathyroid Size. <i>Nephron Clinical Practice</i> , 2010, 114, c187-c193.	2.3	13
64	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.	2.0	13
65	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.	1.3	13
66	Mesenchymal stem cells cultured in serum-free medium ameliorate experimental peritoneal fibrosis. <i>Stem Cell Research and Therapy</i> , 2021, 12, 203.	5.5	13
67	Hepatitis B virus infection in hemodialysis patients in Japan: Prevalence, incidence and occult hepatitis B virus infection. <i>Hepatology Research</i> , 2015, 45, 1211-1219.	3.4	12
68	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> , 2018, 7, .	3.7	12
69	Endothelial dysfunction, abnormal vascular structure and lower urinary tract symptoms in men and women. <i>International Journal of Cardiology</i> , 2018, 261, 196-203.	1.7	12
70	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.	3.3	12
71	Ionizing Irradiation Induces Vascular Damage in the Aorta of Wild-Type Mice. <i>Cancers</i> , 2020, 12, 3030.	3.7	12
72	Daily Low-intensity Pulsed Ultrasound Ameliorates Renal Fibrosis and Inflammation in Experimental Hypertensive and Diabetic Nephropathy. <i>Hypertension</i> , 2020, 76, 1906-1914.	2.7	12

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73	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.	5.5	12
74	Linagliptin Ameliorates Methylglyoxal-Induced Peritoneal Fibrosis in Mice. <i>PLoS ONE</i> , 2016, 11, e0160993.	2.5	12
75	CXCR2 Chemokine Receptor 2 Expression by Circulating Monocytes Influences Atherosclerosis in Patients on Chronic Hemodialysis. <i>Therapeutic Apheresis and Dialysis</i> , 2009, 13, 205-212.	0.9	11
76	Low serum testosterone is associated with atherosclerosis in postmenopausal women undergoing hemodialysis. <i>Clinical and Experimental Nephrology</i> , 2014, 18, 499-506.	1.6	11
77	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.	1.7	10
78	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.	1.6	10
79	Rho-Associated Kinase Activity Is an Independent Predictor of Cardiovascular Events in Acute Coronary Syndrome. <i>Hypertension</i> , 2015, 66, 892-899.	2.7	9
80	High glucose promotes TGF- β 1 production by inducing FOS expression in human peritoneal mesothelial cells. <i>Clinical and Experimental Nephrology</i> , 2016, 20, 30-38.	1.6	9
81	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.	1.7	9
82	15-deoxy- Δ^9 -prostaglandin J ₂ 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.	0.9	8
83	Nitroglycerine-induced vasodilation in coronary and brachial arteries in patients with suspected coronary artery disease. <i>International Journal of Cardiology</i> , 2016, 219, 312-316.	1.7	8
84	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.	1.7	8
85	Tocilizumab histologically improved AA renal amyloidosis in a patient with multicentric Castleman disease: A case report. <i>Clinical Nephrology</i> , 2018, 90, 232-236.	0.7	8
86	Vascular Damage in the Aorta of Wild-Type Mice Exposed to Ionizing Radiation: Sparing and Enhancing Effects of Dose Protraction. <i>Cancers</i> , 2021, 13, 5344.	3.7	8
87	Performance of polysulfone membrane dialyzers and dialysate flow pattern. <i>Clinical and Experimental Nephrology</i> , 2006, 10, 210-215.	1.6	7
88	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-c85.	2.3	6
89	Vitamin K ₂ Alters Bone Metabolism Markers in Hemodialysis Patients with a Low Serum Parathyroid Hormone Level. <i>Nephron Clinical Practice</i> , 2010, 117, c15-c19.	2.3	6
90	TGF- β 1 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.	3.3	6

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91	Klotho deficiency intensifies hypoxia-induced expression of IFN- γ through upregulation of RIG-I in kidneys. PLoS ONE, 2021, 16, e0258856.	2.5	6
92	The Identification of Marker Genes for Predicting the Osteogenic Differentiation Potential of Mesenchymal Stromal Cells. Current Issues in Molecular Biology, 2021, 43, 2157-2166.	2.4	6
93	Temporal Changes in Sparing and Enhancing Dose Protraction Effects of Ionizing Irradiation for Aortic Damage in Wild-Type Mice. Cancers, 2022, 14, 3319.	3.7	6
94	Flow-Mediated Vasodilation and Anatomical Variation of the Brachial Artery (Double Brachial Artery) in Healthy Subjects and Patients With Cardiovascular Disease. Circulation Journal, 2013, 77, 1073-1080.	1.6	5
95	Reduction in blood pressure improves impaired nitroglycerine-induced vasodilation in patients with essential hypertension. Hypertension Research, 2015, 38, 862-868.	2.7	5
96	Exogenous nitric oxide inhibits Rho-associated kinase activity in patients with angina pectoris: a randomized controlled trial. Hypertension Research, 2015, 38, 485-490.	2.7	5
97	High-normal albuminuria and incident chronic kidney disease in a male nondiabetic population. Clinical and Experimental Nephrology, 2018, 22, 835-842.	1.6	5
98	Na ⁺ -Cl ⁻ cotransporter-mediated chloride uptake contributes to hypertension and renal damage in aldosterone-infused rats. American Journal of Physiology - Renal Physiology, 2018, 315, F300-F312.	2.7	5
99	The Serum Lipids Levels may be Underestimated in Patients on Hemodialysis. Internal Medicine, 2015, 54, 887-894.	0.7	4
100	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. Clinical and Experimental Nephrology, 2015, 19, 631-638.	1.6	4
101	Reactive hyperemia-peripheral arterial tonometry is useful for assessment of not only endothelial function but also stenosis of the digital artery. International Journal of Cardiology, 2018, 260, 178-183.	1.7	4
102	N-terminal pro brain natriuretic peptide as a cardiac biomarker in Japanese hemodialysis patients. International Journal of Artificial Organs, 2018, 41, 135-143.	1.4	4
103	Localization and Maintenance of Engrafted Mesenchymal Stem Cells Administered via Renal Artery in Kidneys with Ischemia-Reperfusion Injury. International Journal of Molecular Sciences, 2021, 22, 4178.	4.1	4
104	Implantation of Hypoxia-Induced Mesenchymal Stem Cell Advances Therapeutic Angiogenesis. Stem Cells International, 2022, 2022, 1-14.	2.5	4
105	Vascular Dysfunction Predicts Future Deterioration of Left Ventricular Ejection Fraction in Patients with Heart Failure with Mildly Reduced Ejection Fraction. Journal of Clinical Medicine, 2021, 10, 5980.	2.4	4
106	Effect of Saxagliptin on Endothelial Function in Patients with Type 2 Diabetes: A Prospective Multicenter Study. Scientific Reports, 2019, 9, 10206.	3.3	3
107	Low-intensity pulsed ultrasound decreases major amputation in patients with critical limb ischemia: 5-year follow-up study. PLoS ONE, 2021, 16, e0256504.	2.5	2
108	Morning blood pressure is useful for detection of left ventricular hypertrophy in hemodialysis patients. Clinical and Experimental Nephrology, 2012, 16, 921-929.	1.6	1

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109	Relationship of Daily Coffee Intake with Vascular Function in Patients with Hypertension. <i>Nutrients</i> , 2022, 14, 2719.	4.1	1
110	Upregulation of Mineralocorticoid Receptor Contributes to Development of Salt-Sensitive Hypertension after Ischemiaâ€“Reperfusion Injury in Rats. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7831.	4.1	1
111	Osteoprotegerin and bone mineral density in hemodialysis patients: reply to letter by Ullivieri et al.. <i>Osteoporosis International</i> , 2006, 17, 1824-1824.	3.1	0
112	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.	1.6	0