Takamune Takahashi

List of Publications by Year
in descending order

64 papers	4,453 citations	136950 32 h-index	123424 61 g-index
64 all docs	64 docs citations	64 times ranked	6096 citing authors

#	Article	IF	Citations
1	Mouse Models of Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2009, 20, 2503-2512.	6.1	582
2	Developmental defects of lymphoid cells in Jak3 kinase-deficient mice. Immunity, 1995, 3, 771-782.	14.3	476
3	Contact inhibition of VEGF-induced proliferation requires vascular endothelial cadherin, Î²-catenin, and the phosphatase DEP-1/CD148. Journal of Cell Biology, 2003, 161, 793-804.	5.2	374
4	Endothelial Nitric Oxide Synthase Deficiency Produces Accelerated Nephropathy in Diabetic Mice. Journal of the American Society of Nephrology: JASN, 2006, 17, 2664-2669.	6.1	310
5	The protective roles of GLP-1R signaling in diabetic nephropathy: possible mechanism and therapeutic potential. Kidney International, 2014, 85, 579-589.	5.2	236
6	Renal Denervation Prevents Immune Cell Activation and Renal Inflammation in Angiotensin IIâ€“Induced Hypertension. Circulation Research, 2015, 117, 547-557.	4.5	189
7	Deficiency of Endothelial Nitric-Oxide Synthase Confers Susceptibility to Diabetic Nephropathy in Nephropathy-Resistant Inbred Mice. American Journal of Pathology, 2007, 170, 1473-1484.	3.8	161
8	Reduction of Renal Superoxide Dismutase in Progressive Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2009, 20, 1303-1313.	6.1	150
9	eNOS Deficiency Predisposes Podocytes to Injury in Diabetes. Journal of the American Society of Nephrology: JASN, 2012, 23, 1810-1823.	6.1	124
10	Overexpression of EPHA2 receptor destabilizes adherens junctions via a RhoA-dependent mechanism. Journal of Cell Science, 2008, 121, 358-368.	2.0	119
11	An Unbiased Screen Identifies DEP-1 Tumor Suppressor as a Phosphatase Controlling EGFR Endocytosis. Current Biology, 2009, 19, 1788-1798.	3.9	109
12	Differential Expression of the Intermediate Filament Protein Nestin during Renal Development and Its Localization in Adult Podocytes. Journal of the American Society of Nephrology: JASN, 2006, 17, 1283-1291.	6.1	100
13	Pancreatic Islet Vasculature Adapts to Insulin Resistance Through Dilation and Not Angiogenesis. Diabetes, 2013, 62, 4144-4153.	0.6	98
14	A Mutant Receptor Tyrosine Phosphatase, CD148, Causes Defects in Vascular Development. Molecular and Cellular Biology, 2003, 23, 1817-1831.	2.3	94
15	Molecular cloning of rat JAK3, a novel member of the JAK family of protein tyrosine kinases. FEBS Letters, 1994, 342, 124-128.	2.8	88
16	Role of Endothelial Nitric Oxide Synthase in Diabetic Nephropathy: Lessons from Diabetic eNOS Knockout Mice. Journal of Diabetes Research, 2014, 2014, 1-17.	2.3	85
17	Stromal cellâ€“derived factor-1 is upregulated byÂdipeptidyl peptidase-4 inhibition and hasÂprotective roles in progressive diabeticÂnephropathy. Kidney International, 2016, 90, 783-796.	5.2	82
18	A monoclonal antibody against CD148, a receptor-like tyrosine phosphatase, inhibits endothelial-cell growth and angiogenesis. Blood, 2006, 108, 1234-1242.	1.4	75

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19	Tumor Suppressor Density-enhanced Phosphatase-1 (DEP-1) Inhibits the RAS Pathway by Direct Dephosphorylation of ERK1/2 Kinases. Journal of Biological Chemistry, 2009, 284, 22048-22058.	3.4	68
20	Temporally Compartmentalized Expression of Ephrin-B2 during Renal Glomerular Development. Journal of the American Society of Nephrology: JASN, 2001, 12, 2673-2682.	6.1	59
21	Renal microvascular assembly and repair: Power and promise of molecular definition. Kidney International, 1998, 53, 826-835.	5.2	58
22	Thrombospondin-1 acts as a ligand for CD148 tyrosine phosphatase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1985-1990.	7.1	48
23	Gene expression of metalloproteinase and its inhibitor in mesangial cells exposed to high glucose. Biochemical and Biophysical Research Communications, 1992, 185, 1048-1054.	2.1	46
24	The tyrosine phosphatase CD148 interacts with the p85 regulatory subunit of phosphoinositide 3-kinase. Biochemical Journal, 2008, 413, 193-200.	3.7	45
25	Role of HSP70 in cellular thermotolerance. Lasers in Surgery and Medicine, 2008, 40, 704-715.	2.1	42
26	Modulation of renal superoxide dismutase by telmisartan therapy in C57BL/6-Ins2Akita diabetic mice. Hypertension Research, 2012, 35, 213-220.	2.7	41
27	Assessment of Cellular Response to Thermal Laser Injury Through Bioluminescence Imaging of Heat Shock Protein 70Â¶â€. Photochemistry and Photobiology, 2004, 79, 76.	2.5	41
28	Role of blood pressure and the renin-angiotensin system in development of diabetic nephropathy (DN) in eNOS^{â˜'/â˜'} db/db mice. American Journal of Physiology - Renal Physiology, 2012, 302, F433-F438.	2.7	39
29	Assessment of renal function in mice with unilateral ureteral obstruction using 99mTc-MAG3 dynamic scintigraphy. BMC Nephrology, 2012, 13, 168.	1.8	38
30	Current MRI techniques for the assessment of renal disease. Current Opinion in Nephrology and Hypertension, 2015, 24, 217-223.	2.0	37
31	Reverse endocytosis of transmembrane ephrin-B ligands via a clathrin-mediated pathway. Biochemical and Biophysical Research Communications, 2004, 323, 17-23.	2.1	35
32	Endothelial Localization of Receptor Tyrosine Phosphatase, ECRTP/DEP-1, in Developing and Mature Renal Vasculature. Journal of the American Society of Nephrology: JASN, 1999, 10, 2135-2145.	6.1	35
33	Mapping murine diabetic kidney disease using chemical exchange saturation transfer MRI. Magnetic Resonance in Medicine, 2016, 76, 1531-1541.	3.0	33
34	Novel methods for microCT-based analyses of vasculature in the renal cortex reveal a loss of perfusable arterioles and glomeruli in eNOS-/- mice. BMC Nephrology, 2016, 17, 24.	1.8	33
35	SOD1, but not SOD3, deficiency accelerates diabetic renal injury in C57BL/6-Ins2 diabetic mice. Metabolism: Clinical and Experimental, 2012, 61, 1714-1724.	3.4	31
36	Reduction of circulating superoxide dismutase activity in type 2 diabetic patients with microalbuminuria and its modulation by telmisartan therapy. Hypertension Research, 2011, 34, 1302-1308.	2.7	29

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37	Microarray analysis of cellular thermotolerance. Lasers in Surgery and Medicine, 2010, 42, 912-925.	2.1	26
38	Assessment of renal fibrosis in murine diabetic nephropathy using quantitative magnetization transfer MRI. Magnetic Resonance in Medicine, 2018, 80, 2655-2669.	3.0	26
39	Assessment of unilateral ureter obstruction with multiâ€parametric MRI. Magnetic Resonance in Medicine, 2018, 79, 2216-2227.	3.0	25
40	Repeatability and sensitivity of high resolution blood volume mapping in mouse kidney disease. Journal of Magnetic Resonance Imaging, 2014, 39, 866-871.	3.4	21
41	Determination of the CD148-Interacting Region in Thrombospondin-1. PLoS ONE, 2016, 11, e0154916.	2.5	15
42	Critical Role for Hepatocyte-Specific eNOS in NAFLD and NASH. Diabetes, 2021, 70, 2476-2491.	0.6	14
43	Loss of parietal cell superoxide dismutase leads to gastric oxidative stress and increased injury susceptibility in mice. American Journal of Physiology - Renal Physiology, 2011, 301, G537-G546.	3.4	13
44	CD148 Tyrosine Phosphatase Promotes Cadherin Cell Adhesion. PLoS ONE, 2014, 9, e112753.	2.5	10
45	Characterization of diabetic nephropathy in a transgenic model of hypoinsulinemic diabetes. American Journal of Physiology - Renal Physiology, 2006, 291, F1315-F1322.	2.7	9
46	Generation of a conditional allele for the mouse endothelial nitric oxide synthase gene. Genesis, 2012, 50, 685-692.	1.6	9
47	Diagnostic biomarkers of diabetic nephropathy. Expert Opinion on Medical Diagnostics, 2008, 2, 161-169.	1.6	8
48	Activation of the transcription factor c-Jun in acute cellular and antibody-mediated rejection after kidney transplantation. Human Pathology, 2010, 41, 1682-1693.	2.0	8
49	Expression of receptor-type protein tyrosine phosphatase in developing and adult renal vasculature. PLoS ONE, 2017, 12, e0177192.	2.5	7
50	Interstitial Nephritis Associated with Glomerulonephritis in a Patient with Hashimoto's Disease and Idiopathic Portal Hypertension.. Internal Medicine, 1992, 31, 641-648.	0.7	6
51	Bioluminescence Imaging of Vascular Endothelial Growth Factor Promoter Activity in Murine Mammary Tumorigenesis. Molecular Imaging, 2007, 6, 7290.2007.00029.	1.4	6
52	Examining diabetic nephropathy through the lens of mouse genetics. Current Diabetes Reports, 2007, 7, 459-466.	4.2	6
53	Microlamellar Structures in Lobular Glomerulonephritis Associated with Monoclonal IgG Lambda Paraproteinemia. Pathology International, 1990, 40, 913-921.	1.3	6
54	Clinical and experimental approaches for imaging of acute kidney injury. Clinical and Experimental Nephrology, 2021, 25, 685-699.	1.6	5

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55	Clinicopathological impacts of activated transcription factor c-Jun in peritubular capillary endothelial cells in chronic antibodymediated rejection after kidney transplantation. Clinical Nephrology, 2012, 77, 32-39.	0.7	5
56	Genetics of Diabetic Nephropathy: Lessons From Mice. Seminars in Nephrology, 2007, 27, 237-247.	1.6	4
57	Renal tubular dilation and fibrosis after unilateral ureter obstruction revealed by relaxometry and spinâ€lock exchange MRI. NMR in Biomedicine, 2021, 34, e4539.	2.8	4
58	Agonistic anti-CD148 monoclonal antibody attenuates diabetic nephropathy in mice. American Journal of Physiology - Renal Physiology, 2020, 318, F647-F659.	2.7	3
59	Hepatocyteâ€specific eNOS deletion impairs exerciseâ€induced adaptations in hepatic mitochondrial function and autophagy. Obesity, 2022, 30, 1066-1078.	3.0	3
60	The effects of <scp>CD148 Q276P</scp>/<scp>R326Q</scp> polymorphisms in <scp>A431D</scp> epidermoid cancer cell proliferation and epidermal growth factor receptor signaling. Cancer Reports, 2022, 5, e1566.	1.4	2
61	Bioluminescence imaging as a marker for cellular Hsp70 response to thermal laser injury. , 2003, , .		1
62	Heightened Susceptibility to Influenza Mortality in Immunodeficient Mice Caused by a T-Cell Specific Defect in SOD2.. Blood, 2009, 114, 1655-1655.	1.4	1
63	Visualization of tumor-induced VEGF expression using in vivo bioluminescence. , 2004, 5329, 178.		0
64	Hepatocyteâ€Specific Deletion of eNOS Impairs Mitochondrial Function and Exacerbates Hepatic Steatosis. FASEB Journal, 2019, 33, 582.2.	0.5	0