Hiroshi Kawachi

List of Publications by Year
in descending order

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72	3,108	172457	155660
papers	citations	29 h-index	55 g-index

72	72	72	2848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Th17 Cells Participate in Thy1.1 Glomerulonephritis Which Is Ameliorated by Tacrolimus. American Journal of Nephrology, 2022, 53, 388-396.	3.1	3
2	Nephrinâ€“Ephrin-B1â€“Na+/H+ Exchanger Regulatory Factor 2â€“Ezrinâ€“Actin Axis Is Critical in Podocyte Injury. American Journal of Pathology, 2021, 191, 1209-1226.	3.8	3
3	Synbindin Downregulation Participates in Slit Diaphragm Dysfunction. American Journal of Nephrology, 2021, 52, 620-629.	3.1	0
4	Xanthine oxidoreductase inhibitor topiroxostat ameliorates podocyte injury by inhibiting the reduction of nephrin and podoplanin. Nefrologia, 2021, 41, 539-547.	0.4	1
5	Tacrolimus ameliorates podocyte injury by restoring FK506 binding protein 12 (FKBP12) at actin cytoskeleton. FASEB Journal, 2021, 35, e21983.	0.5	11
6	Podocyte-specific Crb2 knockout mice develop focal segmental glomerulosclerosis. Scientific Reports, 2021, 11, 20556.	3.3	8
7	Xanthine oxidoreductase inhibitor topiroxostat ameliorates podocyte injury by inhibiting the reduction of nephrin and podoplanin. Nefrologia, 2021, 41, 539-547.	0.4	3
8	Partitioning-Defective-6â€“Ephrin-B1 Interaction Is Regulated by Nephrin-Mediated Signal and Is Crucial in Maintaining Slit Diaphragm of Podocyte. American Journal of Pathology, 2020, 190, 333-346.	3.8	12
9	New insight into podocyte slit diaphragm, a therapeutic target of proteinuria. Clinical and Experimental Nephrology, 2020, 24, 193-204.	1.6	70
10	Phosphate binding by sucroferric oxyhydroxide ameliorates renal injury in the remnant kidney model. Scientific Reports, 2019, 9, 1732.	3.3	15
11	Nephrin-Binding Ephrin-B1 at the Slit Diaphragm Controls Podocyte Function through the JNK Pathway. Journal of the American Society of Nephrology: JASN, 2018, 29, 1462-1474.	6.1	23
12	Role of calcineurin (CN) in kidney glomerular podocyte: CN inhibitor ameliorated proteinuria by inhibiting the redistribution of CN at the slit diaphragm. Physiological Reports, 2016, 4, e12679.	1.7	29
13	Possible role for glomerular-derived angiotensinogen in nephrotic syndrome. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2016, 17, 147032031668122.	1.7	2
14	Avian Podocytes, Which Lack Nephrin, Use Adherens Junction Proteins at Intercellular Junctions. Journal of Histochemistry and Cytochemistry, 2016, 64, 67-76.	2.5	10
15	Systematic implantation of dedifferentiated fat cells ameliorated monoclonal antibody 1-22-3-induced glomerulonephritis by immunosuppression with increases in TNF-stimulated gene 6. Stem Cell Research and Therapy, 2015, 6, 80.	5.5	13
16	Alteration in the podoplaninâ€“ezrinâ€“cytoskeleton linkage is an important initiation event of the podocyte injury in puromycin aminonucleoside nephropathy, a mimic of minimal change nephrotic syndrome. Cell and Tissue Research, 2015, 362, 201-213.	2.9	22
17	SV2B is essential for the integrity of the glomerular filtration barrier. Laboratory Investigation, 2015, 95, 534-545.	3.7	15
18	Angiotensin II type 1 receptor blockade ameliorates proteinuria in puromycin aminonucleoside nephropathy by inhibiting the reduction of NEPH1 and nephrin. Journal of Nephrology, 2014, 27, 627-634.	2.0	11

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19	Therapeutic target for nephrotic syndrome: Identification of novel slit diaphragm associated molecules. World Journal of Nephrology, 2014, 3, 77.	2.0	10
20	Early treatment with everolimus exerts nephroprotective effect in rats with adriamycin-induced nephrotic syndrome. Nephrology Dialysis Transplantation, 2012, 27, 2231-2241.	0.7	13
21	Successful treatment of icodextrin-single peritoneal dialysis for refractory nephrotic syndrome induced by idiopathic membranous nephropathy. CEN Case Reports, 2012, 1, 16-23.	0.9	2
22	Neurexin-1, a presynaptic adhesion molecule, localizes at the slit diaphragm of the glomerular podocytes in kidneys. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R340-R348.	1.8	27
23	Defective glycosylation of Î±-dystroglycan contributes to podocyte flattening. Kidney International, 2011, 79, 311-316.	5.2	21
24	Effects of mineralocorticoid and angiotensin II receptor blockers on proteinuria and glomerular podocyte protein expression in a model of minimal change nephrotic syndrome. Nephrology, 2010, 15, 321-326.	1.6	17
25	Ameliorating Effects of <scp>l</scp>-Carnitine on Diabetic Podocyte Injury. Journal of Medicinal Food, 2010, 13, 1324-1330.	1.5	6
26	Loss of the BMP antagonist USAG-1 ameliorates disease in a mouse model of the progressive hereditary kidney disease Alport syndrome. Journal of Clinical Investigation, 2010, 120, 768-777.	8.2	70
27	Slit diaphragm dysfunction in proteinuric states: identification of novel therapeutic targets for nephrotic syndrome. Clinical and Experimental Nephrology, 2009, 13, 275-280.	1.6	31
28	Tolvaptan, a selective oral vasopressin V2 receptor antagonist, ameliorates podocyte injury in puromycin aminonucleoside nephrotic rats. Clinical and Experimental Nephrology, 2009, 13, 438-446.	1.6	23
29	Therapeutic targets in the podocyte: findings in anti-slit diaphragm antibody-induced nephropathy. Journal of Nephrology, 2009, 22, 450-6.	2.0	13
30	Effect of traditional Chinese medicine (Sairei-to) on monoclonal antibody-induced proteinuria in rats. Pathology International, 2008, 44, 339-344.	1.3	14
31	Activated macrophages down-regulate podocyte nephrin and podocin expression via stress-activated protein kinases. Biochemical and Biophysical Research Communications, 2008, 376, 706-711.	2.1	51
32	Selective Loss of Podoplanin Protein Expression Accompanies Proteinuria and Precedes Alterations in Podocyte Morphology in a Spontaneous Proteinuric Rat Model. American Journal of Pathology, 2008, 173, 315-326.	3.8	53
33	Eplerenone potentiates the antiproteinuric effects of enalapril in experimental nephrotic syndrome. American Journal of Physiology - Renal Physiology, 2008, 294, F628-F637.	2.7	24
34	Dissociation of NEPH1 from nephrin is involved in development of a rat model of focal segmental glomerulosclerosis. American Journal of Physiology - Renal Physiology, 2008, 295, F1376-F1387.	2.7	45
35	SM22Î±: The Novel Phenotype Marker of Injured Glomerular Epithelial Cells in Anti-Glomerular Basement Membrane Nephritis. Nephron Experimental Nephrology, 2007, 106, e77-e87.	2.2	22
36	Prevention of Hypertension with or without Renin-Angiotensin System Inhibition Precludes Nephrin Loss in the Early Stage of Experimental Diabetes Mellitus. Nephron Physiology, 2007, 107, p57-p64.	1.2	7

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37	Angiotensin II Type 1 and Type 2 Receptors Play Opposite Roles in Regulating the Barrier Function of Kidney Glomerular Capillary Wall. American Journal of Pathology, 2007, 170, 1841-1853.	3.8	92
38	Pathophysiologic Implications of Reduced Podocyte Number in a Rat Model of Progressive Glomerular Injury. American Journal of Pathology, 2006, 168, 42-54.	3.8	134
39	Role of podocyte slit diaphragm as a filtration barrier (Review Article). Nephrology, 2006, 11, 274-281.	1.6	102
40	Synaptic Vesicle Protein 2B Is Expressed in Podocyte, and Its Expression Is Altered in Proteinuric Glomeruli. Journal of the American Society of Nephrology: JASN, 2006, 17, 2748-2759.	6.1	21
41	Altered expression of junctional adhesion molecule 4 in injured podocytes. American Journal of Physiology - Renal Physiology, 2006, 290, F335-F344.	2.7	11
42	IFN-Inducible Protein-10 Plays a Pivotal Role in Maintaining Slit-Diaphragm Function by Regulating Podocyte Cell-Cycle Balance. Journal of the American Society of Nephrology: JASN, 2006, 17, 442-453.	6.1	19
43	Nephrin and podocin dissociate at the onset of proteinuria in experimental membranous nephropathy. Kidney International, 2005, 67, 2239-2253.	5.2	94
44	MAGI-1 is a component of the glomerular slit diaphragm that is tightly associated with nephrin. Laboratory Investigation, 2005, 85, 1528-1543.	3.7	56
45	Role of p38 Mitogen-Activated Protein Kinase Activation in Podocyte Injury and Proteinuria in Experimental Nephrotic Syndrome. Journal of the American Society of Nephrology: JASN, 2005, 16, 2690-2701.	6.1	151
46	Prevention and reversal of renal injury by leptin in a new mouse model of diabetic nephropathy. FASEB Journal, 2005, 19, 127-129.	0.5	57
47	Src-Family Kinase Fyn Phosphorylates the Cytoplasmic Domain of Nephrin and Modulates Its Interaction with Podocin. Journal of the American Society of Nephrology: JASN, 2004, 15, 3006-3015.	6.1	116
48	Decreased collagen-degrading activity could be a marker of prolonged mesangial matrix expansion. Clinical and Experimental Nephrology, 2004, 8, 17-26.	1.6	17
49	Genetic Polymorphism of NPHS1 Modifies the Clinical Manifestations of Ig A Nephropathy. Laboratory Investigation, 2003, 83, 1193-1200.	3.7	15
50	Expression of Podocyte-Associated Molecules in Acquired Human Kidney Diseases. Journal of the American Society of Nephrology: JASN, 2003, 14, 2063-2071.	6.1	262
51	Retinoids Regulate the Repairing Process of the Podocytes in Puromycin Aminonucleoside-induced Nephrotic Rats. Journal of the American Society of Nephrology: JASN, 2003, 14, 981-991.	6.1	77
52	IFN-Inducible Protein-10 Has a Differential Role in Podocyte during Thy 1.1 Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2003, 14, 3111-3126.	6.1	46
53	Cloning of Rat Homologue of Podocin. Journal of the American Society of Nephrology: JASN, 2003, 14, 46-56.	6.1	85
54	Disparate effects of angiotensin II antagonists and calcium channel blockers on albuminuria in experimental diabetes and hypertension. Journal of Hypertension, 2003, 21, 209-216.	0.5	65

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55	Molecular structure and function of the slit diaphragm: expression of nephrin in proteinuric states and in developing glomeruli. Nephrology Dialysis Transplantation, 2002, 17, 20-22.	0.7	15
56	Angiotensin Type 2 Receptor Antagonism Confers Renal Protection in a Rat Model of Progressive Renal Injury. Journal of the American Society of Nephrology: JASN, 2002, 13, 1773-1787.	6.1	113
57	Modulation of nephrin in the diabetic kidney: association with systemic hypertension and increasing albuminuria. Journal of Hypertension, 2002, 20, 985-992.	0.5	81
58	NEPHRIN EXPRESSION IN THE POST-NATAL DEVELOPING KIDNEY IN NORMOTENSIVE AND HYPERTENSIVE RATS. Clinical and Experimental Hypertension, 2002, 24, 371-381.	1.3	14
59	mAb 5-1-6 nephropathy and nephrin. Microscopy Research and Technique, 2002, 57, 236-240.	2.2	8
60	FK506 ameliorates proteinuria and glomerular lesions induced by anti-Thy 1.1 monoclonal antibody 1-22-3. Kidney International, 2002, 61, 1339-1350.	5.2	39
61	Fractalkine expression and the recruitment of CX3CR1+ cells in the prolonged mesangial proliferative glomerulonephritis. Kidney International, 2002, 61, 2044-2057.	5.2	44
62	Podocyte injuries exacerbate mesangial proliferative glomerulonephritis. Kidney International, 2001, 60, 2192-2204.	5.2	41
63	FAT is a component of glomerular slit diaphragms. Kidney International, 2001, 59, 1003-1012.	5.2	173
64	Cloning of rat nephrin: Expression in developing glomeruli and in proteinuric states. Kidney International, 2000, 57, 1949-1961.	5.2	176
65	An anti-CD5 monoclonal antibody ameliorates proteinuria and glomerular lesions in rat mesangioproliferative glomerulonephritis. Kidney International, 2000, 58, 100-114.	5.2	35
66	Molecular composition and function of the slit diaphragm: nephrin, the molecule responsible for proteinuria. Clinical and Experimental Nephrology, 2000, 4, 161-172.	1.6	18
67	Nephritogenic mAb 5-1-6 is directed at the extracellular domain of rat nephrin. Journal of Clinical Investigation, 1999, 104, 1559-1566.	8.2	154
68	Altered anionic GBM components in monoclonal antibody against slit diaphragm-injected proteinuric rats. Kidney International, 1998, 54, 1491-1500.	5.2	12
69	Slit diaphragm-reactive nephritogenic MAb 5-1-6 alters expression of ZO-1 in rat podocytes. American Journal of Physiology - Renal Physiology, 1997, 273, F984-F993.	2.7	37
70	Structural continuity of filtration slit (slit diaphragm) to plasma membrane of podocyte. Kidney International, 1996, 50, 54-62.	5.2	13
71	Altered localization of antigen recognized by proteinuriainducing monoclonal antibody in experimental nephrosis. Vigiliae Christianae, 1991, 60, 41-46.	0.1	11
72	Studies on the â€˜Linear Patternâ€™ in Renal Glomeruli Demonstrated with Immunofluorescence. Nephron, 1985, 39, 36-39.	1.8	4