

# Hiroshi Kawachi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7575015/publications.pdf>

Version: 2024-02-01

72  
papers

3,108  
citations

172457

29  
h-index

155660

55  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of Podocyte-Associated Molecules in Acquired Human Kidney Diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 2063-2071.	6.1	262
2	Cloning of rat nephrin: Expression in developing glomeruli and in proteinuric states. <i>Kidney International</i> , 2000, 57, 1949-1961.	5.2	176
3	FAT is a component of glomerular slit diaphragms. <i>Kidney International</i> , 2001, 59, 1003-1012.	5.2	173
4	Nephritogenic mAb 5-1-6 is directed at the extracellular domain of rat nephrin. <i>Journal of Clinical Investigation</i> , 1999, 104, 1559-1566.	8.2	154
5	Role of p38 Mitogen-Activated Protein Kinase Activation in Podocyte Injury and Proteinuria in Experimental Nephrotic Syndrome. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2690-2701.	6.1	151
6	Pathophysiologic Implications of Reduced Podocyte Number in a Rat Model of Progressive Glomerular Injury. <i>American Journal of Pathology</i> , 2006, 168, 42-54.	3.8	134
7	Src-Family Kinase Fyn Phosphorylates the Cytoplasmic Domain of Nephrin and Modulates Its Interaction with Podocin. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 3006-3015.	6.1	116
8	Angiotensin Type 2 Receptor Antagonism Confers Renal Protection in a Rat Model of Progressive Renal Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 1773-1787.	6.1	113
9	Role of podocyte slit diaphragm as a filtration barrier (Review Article). <i>Nephrology</i> , 2006, 11, 274-281.	1.6	102
10	Nephrin and podocin dissociate at the onset of proteinuria in experimental membranous nephropathy. <i>Kidney International</i> , 2005, 67, 2239-2253.	5.2	94
11	Angiotensin II Type 1 and Type 2 Receptors Play Opposite Roles in Regulating the Barrier Function of Kidney Glomerular Capillary Wall. <i>American Journal of Pathology</i> , 2007, 170, 1841-1853.	3.8	92
12	Cloning of Rat Homologue of Podocin. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 46-56.	6.1	85
13	Modulation of nephrin in the diabetic kidney: association with systemic hypertension and increasing albuminuria. <i>Journal of Hypertension</i> , 2002, 20, 985-992.	0.5	81
14	Retinoids Regulate the Repairing Process of the Podocytes in Puromycin Aminonucleoside-induced Nephrotic Rats. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 981-991.	6.1	77
15	New insight into podocyte slit diaphragm, a therapeutic target of proteinuria. <i>Clinical and Experimental Nephrology</i> , 2020, 24, 193-204.	1.6	70
16	Loss of the BMP antagonist USAG-1 ameliorates disease in a mouse model of the progressive hereditary kidney disease Alport syndrome. <i>Journal of Clinical Investigation</i> , 2010, 120, 768-777.	8.2	70
17	Disparate effects of angiotensin II antagonists and calcium channel blockers on albuminuria in experimental diabetes and hypertension. <i>Journal of Hypertension</i> , 2003, 21, 209-216.	0.5	65
18	Prevention and reversal of renal injury by leptin in a new mouse model of diabetic nephropathy. <i>FASEB Journal</i> , 2005, 19, 127-129.	0.5	57

#	ARTICLE	IF	CITATIONS
19	MAGI-1 is a component of the glomerular slit diaphragm that is tightly associated with nephrin. <i>Laboratory Investigation</i> , 2005, 85, 1528-1543.	3.7	56
20	Selective Loss of Podoplanin Protein Expression Accompanies Proteinuria and Precedes Alterations in Podocyte Morphology in a Spontaneous Proteinuric Rat Model. <i>American Journal of Pathology</i> , 2008, 173, 315-326.	3.8	53
21	Activated macrophages down-regulate podocyte nephrin and podocin expression via stress-activated protein kinases. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 706-711.	2.1	51
22	IFN-Inducible Protein-10 Has a Differential Role in Podocyte during Thy 1.1 Glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 3111-3126.	6.1	46
23	Dissociation of NEPH1 from nephrin is involved in development of a rat model of focal segmental glomerulosclerosis. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F1376-F1387.	2.7	45
24	Fractalkine expression and the recruitment of CX3CR1+ cells in the prolonged mesangial proliferative glomerulonephritis. <i>Kidney International</i> , 2002, 61, 2044-2057.	5.2	44
25	Podocyte injuries exacerbate mesangial proliferative glomerulonephritis. <i>Kidney International</i> , 2001, 60, 2192-2204.	5.2	41
26	FK506 ameliorates proteinuria and glomerular lesions induced by anti-Thy 1.1 monoclonal antibody 1-22-3. <i>Kidney International</i> , 2002, 61, 1339-1350.	5.2	39
27	Slit diaphragm-reactive nephritogenic MAb 5-1-6 alters expression of ZO-1 in rat podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 273, F984-F993.	2.7	37
28	An anti-CD5 monoclonal antibody ameliorates proteinuria and glomerular lesions in rat mesangioproliferative glomerulonephritis. <i>Kidney International</i> , 2000, 58, 100-114.	5.2	35
29	Slit diaphragm dysfunction in proteinuric states: identification of novel therapeutic targets for nephrotic syndrome. <i>Clinical and Experimental Nephrology</i> , 2009, 13, 275-280.	1.6	31
30	Role of calcineurin (CN) in kidney glomerular podocyte: CN inhibitor ameliorated proteinuria by inhibiting the redistribution of CN at the slit diaphragm. <i>Physiological Reports</i> , 2016, 4, e12679.	1.7	29
31	Neurexin-1, a presynaptic adhesion molecule, localizes at the slit diaphragm of the glomerular podocytes in kidneys. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R340-R348.	1.8	27
32	Eplerenone potentiates the antiproteinuric effects of enalapril in experimental nephrotic syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F628-F637.	2.7	24
33	Tolvaptan, a selective oral vasopressin V2 receptor antagonist, ameliorates podocyte injury in puromycin aminonucleoside nephrotic rats. <i>Clinical and Experimental Nephrology</i> , 2009, 13, 438-446.	1.6	23
34	Nephrin-Binding Ephrin-B1 at the Slit Diaphragm Controls Podocyte Function through the JNK Pathway. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1462-1474.	6.1	23
35	SM22 $\alpha$ : The Novel Phenotype Marker of Injured Glomerular Epithelial Cells in Anti-Glomerular Basement Membrane Nephritis. <i>Nephron Experimental Nephrology</i> , 2007, 106, e77-e87.	2.2	22
36	Alteration in the podoplanin- $\alpha$ -ezrin cytoskeleton linkage is an important initiation event of the podocyte injury in puromycin aminonucleoside nephropathy, a mimic of minimal change nephrotic syndrome. <i>Cell and Tissue Research</i> , 2015, 362, 201-213.	2.9	22

#	ARTICLE	IF	CITATIONS
37	Synaptic Vesicle Protein 2B Is Expressed in Podocyte, and Its Expression Is Altered in Proteinuric Glomeruli. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 2748-2759.	6.1	21
38	Defective glycosylation of $\alpha$ -dystroglycan contributes to podocyte flattening. <i>Kidney International</i> , 2011, 79, 311-316.	5.2	21
39	IFN-Inducible Protein-10 Plays a Pivotal Role in Maintaining Slit-Diaphragm Function by Regulating Podocyte Cell-Cycle Balance. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 442-453.	6.1	19
40	Molecular composition and function of the slit diaphragm: nephrin, the molecule responsible for proteinuria. <i>Clinical and Experimental Nephrology</i> , 2000, 4, 161-172.	1.6	18
41	Decreased collagen-degrading activity could be a marker of prolonged mesangial matrix expansion. <i>Clinical and Experimental Nephrology</i> , 2004, 8, 17-26.	1.6	17
42	Effects of mineralocorticoid and angiotensin II receptor blockers on proteinuria and glomerular podocyte protein expression in a model of minimal change nephrotic syndrome. <i>Nephrology</i> , 2010, 15, 321-326.	1.6	17
43	Molecular structure and function of the slit diaphragm: expression of nephrin in proteinuric states and in developing glomeruli. <i>Nephrology Dialysis Transplantation</i> , 2002, 17, 20-22.	0.7	15
44	Genetic Polymorphism of NPHS1 Modifies the Clinical Manifestations of Ig A Nephropathy. <i>Laboratory Investigation</i> , 2003, 83, 1193-1200.	3.7	15
45	SV2B is essential for the integrity of the glomerular filtration barrier. <i>Laboratory Investigation</i> , 2015, 95, 534-545.	3.7	15
46	Phosphate binding by sucroferic oxyhydroxide ameliorates renal injury in the remnant kidney model. <i>Scientific Reports</i> , 2019, 9, 1732.	3.3	15
47	NEPHRIN EXPRESSION IN THE POST-NATAL DEVELOPING KIDNEY IN NORMOTENSIVE AND HYPERTENSIVE RATS. <i>Clinical and Experimental Hypertension</i> , 2002, 24, 371-381.	1.3	14
48	Effect of traditional Chinese medicine (Sairei-to) on monoclonal antibody-induced proteinuria in rats. <i>Pathology International</i> , 2008, 44, 339-344.	1.3	14
49	Structural continuity of filtration slit (slit diaphragm) to plasma membrane of podocyte. <i>Kidney International</i> , 1996, 50, 54-62.	5.2	13
50	Early treatment with everolimus exerts nephroprotective effect in rats with adriamycin-induced nephrotic syndrome. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 2231-2241.	0.7	13
51	Systematic implantation of dedifferentiated fat cells ameliorated monoclonal antibody 1-22-3-induced glomerulonephritis by immunosuppression with increases in TNF-stimulated gene 6. <i>Stem Cell Research and Therapy</i> , 2015, 6, 80.	5.5	13
52	Therapeutic targets in the podocyte: findings in anti-slit diaphragm antibody-induced nephropathy. <i>Journal of Nephrology</i> , 2009, 22, 450-6.	2.0	13
53	Altered anionic GBM components in monoclonal antibody against slit diaphragm-injected proteinuric rats. <i>Kidney International</i> , 1998, 54, 1491-1500.	5.2	12
54	Partitioning-Defective- $\alpha$ -Ephrin-B1 Interaction Is Regulated by Nephrin-Mediated Signal and Is Crucial in Maintaining Slit Diaphragm of Podocyte. <i>American Journal of Pathology</i> , 2020, 190, 333-346.	3.8	12

#	ARTICLE	IF	CITATIONS
55	Altered localization of antigen recognized by proteinuria-inducing monoclonal antibody in experimental nephrosis. <i>Vigiliae Christianae</i> , 1991, 60, 41-46.	0.1	11
56	Altered expression of junctional adhesion molecule 4 in injured podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F335-F344.	2.7	11
57	Angiotensin II type 1 receptor blockade ameliorates proteinuria in puromycin aminonucleoside nephropathy by inhibiting the reduction of NEPH1 and nephrin. <i>Journal of Nephrology</i> , 2014, 27, 627-634.	2.0	11
58	Tacrolimus ameliorates podocyte injury by restoring FK506 binding protein 12 (FKBP12) at actin cytoskeleton. <i>FASEB Journal</i> , 2021, 35, e21983.	0.5	11
59	Avian Podocytes, Which Lack Nephrin, Use Adherens Junction Proteins at Intercellular Junctions. <i>Journal of Histochemistry and Cytochemistry</i> , 2016, 64, 67-76.	2.5	10
60	Therapeutic target for nephrotic syndrome: Identification of novel slit diaphragm associated molecules. <i>World Journal of Nephrology</i> , 2014, 3, 77.	2.0	10
61	mAb 5-1-6 nephropathy and nephrin. <i>Microscopy Research and Technique</i> , 2002, 57, 236-240.	2.2	8
62	Podocyte-specific Crb2 knockout mice develop focal segmental glomerulosclerosis. <i>Scientific Reports</i> , 2021, 11, 20556.	3.3	8
63	Prevention of Hypertension with or without Renin-Angiotensin System Inhibition Precludes Nephrin Loss in the Early Stage of Experimental Diabetes Mellitus. <i>Nephron Physiology</i> , 2007, 107, p57-p64.	1.2	7
64	Ameliorating Effects of L-Carnitine on Diabetic Podocyte Injury. <i>Journal of Medicinal Food</i> , 2010, 13, 1324-1330.	1.5	6
65	Studies on the "Linear Pattern"™ in Renal Glomeruli Demonstrated with Immunofluorescence. <i>Nephron</i> , 1985, 39, 36-39.	1.8	4
66	Nephrin-Ephrin-B1-Na <sup>+</sup> /H <sup>+</sup> Exchanger Regulatory Factor 2-Ezrin-Actin Axis Is Critical in Podocyte Injury. <i>American Journal of Pathology</i> , 2021, 191, 1209-1226.	3.8	3
67	Xanthine oxidoreductase inhibitor topiroxostat ameliorates podocyte injury by inhibiting the reduction of nephrin and podoplanin. <i>Nefrologia</i> , 2021, 41, 539-547.	0.4	3
68	Th17 Cells Participate in Thy1.1 Glomerulonephritis Which Is Ameliorated by Tacrolimus. <i>American Journal of Nephrology</i> , 2022, 53, 388-396.	3.1	3
69	Successful treatment of icodextrin-single peritoneal dialysis for refractory nephrotic syndrome induced by idiopathic membranous nephropathy. <i>CEN Case Reports</i> , 2012, 1, 16-23.	0.9	2
70	Possible role for glomerular-derived angiotensinogen in nephrotic syndrome. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2016, 17, 147032031668122.	1.7	2
71	Xanthine oxidoreductase inhibitor topiroxostat ameliorates podocyte injury by inhibiting the reduction of nephrin and podoplanin. <i>Nefrologia</i> , 2021, 41, 539-547.	0.4	1
72	Synbindin Downregulation Participates in Slit Diaphragm Dysfunction. <i>American Journal of Nephrology</i> , 2021, 52, 620-629.	3.1	0