Lawrence B Holzman

List of Publications by Year in Descending Order

108 papers	8,876 citations	54 h-index	93 g-index
114 ext. papers	9,817 ext. citations	7.9 avg, IF	5.29 L-index

#	Paper	IF	Citations
108	Quantification of Glomerular Structural Lesions: Associations With Clinical Outcomes and Transcriptomic Profiles in Nephrotic Syndrome. *American Journal of Kidney Diseases*, **2021**,	7.4	1
107	APOL1 genotype-associated morphologic changes among patients with focal segmental glomerulosclerosis. *Pediatric Nephrology*, **2021**, 36, 2747-2757	3.2	2
106	Phosphorylation of slit diaphragm proteins NEPHRIN and NEPH1 upon binding of HGF promotes podocyte repair. *Journal of Biological Chemistry*, **2021**, 297, 101079	5.4	2
105	Persistent Disease Activity in Patients With Long-Standing Glomerular Disease. *Kidney International Reports*, **2020**, 5, 860-871	4.1	2
104	Longitudinal Changes in Health-Related Quality of Life in Primary Glomerular Disease: Results From the CureGN Study. *Kidney International Reports*, **2020**, 5, 1679-1689	4.1	4
103	SHROOM3, the gene associated with chronic kidney disease, affects the podocyte structure. *Scientific Reports*, **2020**, 10, 21103	4.9	3
102	The longitudinal relationship between patient-reported outcomes and clinical characteristics among patients with focal segmental glomerulosclerosis in the Nephrotic Syndrome Study Network. *CKJ: Clinical Kidney Journal*, **2020**, 13, 597-606	4.5	9
101	Ultrastructural Characterization of Proteinuric Patients Predicts Clinical Outcomes. *Journal of the American Society of Nephrology: JASN*, **2020**, 31, 841-854	12.7	13
100	Health-related quality of life in glomerular disease. *Kidney International*, **2019**, 95, 1209-1224	9.9	20
99	The motor protein Myo1c regulates transforming growth factor-β signaling and fibrosis in podocytes. *Kidney International*, **2019**, 96, 139-158	9.9	10
98	CureGN Study Rationale, Design, and Methods: Establishing a Large Prospective Observational Study of Glomerular Disease. *American Journal of Kidney Diseases*, **2019**, 73, 218-229	7.4	39
97	Reproducibility and Feasibility of Strategies for Morphologic Assessment of Renal Biopsies Using the Nephrotic Syndrome Study Network Digital Pathology Scoring System. *Archives of Pathology and Laboratory Medicine*, **2018**, 142, 613-625	5	13
96	Randomized Clinical Trial Design to Assess Abatacept in Resistant Nephrotic Syndrome. *Kidney International Reports*, **2018**, 3, 115-121	4.1	18
95	Clinical Characteristics and Treatment Patterns of Children and Adults With IgA Nephropathy or IgA Vasculitis: Findings From the CureGN Study. *Kidney International Reports*, **2018**, 3, 1373-1384	4.1	23
94	Digital pathology imaging as a novel platform for standardization and globalization of quantitative nephropathology. *CKJ: Clinical Kidney Journal*, **2017**, 10, 176-187	4.5	34
93	ARF6 mediates nephrin tyrosine phosphorylation-induced podocyte cellular dynamics. *PLoS ONE*, **2017**, 12, e0184575	3.7	6
92	FAT1 mutations cause a glomerulotubular nephropathy. *Nature Communications*, **2016**, 7, 10822	17.4	69

91	Complete Remission in the Nephrotic Syndrome Study Network. *Clinical Journal of the American Society of Nephrology: CJASN*, **2016**, 11, 81-9	6.9	37
90	An evolutionarily conserved mechanism for cAMP elicited axonal regeneration involves direct activation of the dual leucine zipper kinase DLK. *ELife*, **2016**, 5,	8.9	34
89	Leucine Zipper-bearing Kinase promotes axon growth in mammalian central nervous system neurons. *Scientific Reports*, **2016**, 6, 31482	4.9	24
88	Structural Analysis of the Myo1c and Neph1 Complex Provides Insight into the Intracellular Movement of Neph1. *Molecular and Cellular Biology*, **2016**, 36, 1639-54	4.8	9
87	Reproducibility of the NEPTUNE descriptor-based scoring system on whole-slide images and histologic and ultrastructural digital images. *Modern Pathology*, **2016**, 29, 671-84	9.8	41
86	Glomerular Diseases: Registries and Clinical Trials. *Clinical Journal of the American Society of Nephrology: CJASN*, **2016**, 11, 2234-2243	6.9	10
85	A reassessment of soluble urokinase-type plasminogen activator receptor in glomerular disease. *Kidney International*, **2015**, 87, 564-74	9.9	101
84	Nephrin Preserves Podocyte Viability and Glomerular Structure and Function in Adult Kidneys. *Journal of the American Society of Nephrology: JASN*, **2015**, 26, 2361-77	12.7	70
83	Ret is critical for podocyte survival following glomerular injury in vivo. *American Journal of Physiology - Renal Physiology*, **2015**, 308, F774-83	4.3	2
82	Podocyte-associated talin1 is critical for glomerular filtration barrier maintenance. *Journal of Clinical Investigation*, **2015**, 125, 882-882	15.9	78
81	The kidney research national dialogue: gearing up to move forward. *Clinical Journal of the American Society of Nephrology: CJASN*, **2014**, 9, 1806-11	6.9	14
80	Crk1/2 and CrkL form a hetero-oligomer and functionally complement each other during podocyte morphogenesis. *Kidney International*, **2014**, 85, 1382-1394	9.9	24
79	Glomerular disease: looking beyond pathology. *Clinical Journal of the American Society of Nephrology: CJASN*, **2014**, 9, 1138-40	6.9	12
78	Slit diaphragm protein Neph1 and its signaling: a novel therapeutic target for protection of podocytes against glomerular injury. *Journal of Biological Chemistry*, **2014**, 289, 9502-18	5.4	29
77	Podocyte-specific deletion of NDST1, a key enzyme in the sulfation of heparan sulfate glycosaminoglycans, leads to abnormalities in podocyte organization in vivo. *Kidney International*, **2014**, 85, 307-18	9.9	13
76	Podocyte-associated talin1 is critical for glomerular filtration barrier maintenance. *Journal of Clinical Investigation*, **2014**, 124, 1098-113	15.9	91
75	Divergent functions of the Rho GTPases Rac1 and Cdc42 in podocyte injury. *Kidney International*, **2013**, 84, 920-30	9.9	105
74	Myo1c is an unconventional myosin required for zebrafish glomerular development. *Kidney International*, **2013**, 84, 1154-65	9.9	12

73	Design of the Nephrotic Syndrome Study Network (NEPTUNE) to evaluate primary glomerular nephropathy by a multidisciplinary approach. *Kidney International*, **2013**, 83, 749-56	9.9	177
72	Background strain and the differential susceptibility of podocyte-specific deletion of Myh9 on murine models of experimental glomerulosclerosis and HIV nephropathy. *PLoS ONE*, **2013**, 8, e67839	3.7	25
71	Podocytes: gaining a foothold. *Experimental Cell Research*, **2012**, 318, 955-63	4.2	30
70	Role of dynamin, synaptojanin, and endophilin in podocyte foot processes. *Journal of Clinical Investigation*, **2012**, 122, 4401-11	15.9	107
69	Signaling from the podocyte intercellular junction to the actin cytoskeleton. *Seminars in Nephrology* , **2012**, 32, 307-18	4.8	37
68	Inhibitory effects of Robo2 on nephrin: a crosstalk between positive and negative signals regulating podocyte structure. *Cell Reports*, **2012**, 2, 52-61	10.6	45
67	Podocyte-specific knockout of myosin 1e disrupts glomerular filtration. *American Journal of Physiology - Renal Physiology*, **2012**, 303, F1099-106	4.3	27
66	Solution structure analysis of cytoplasmic domain of podocyte protein Neph1 using small/wide angle x-ray scattering (SWAXS). *Journal of Biological Chemistry*, **2012**, 287, 9441-53	5.4	12
65	Crk1/2-dependent signaling is necessary for podocyte foot process spreading in mouse models of glomerular disease. *Journal of Clinical Investigation*, **2012**, 122, 674-92	15.9	76
64	APOL1 null alleles from a rural village in India do not correlate with glomerulosclerosis. *PLoS ONE*, **2012**, 7, e51546	3.7	56
63	Lack of N-Sulfation of Podocyte Cell Surface Heparan Sulfate Glycosaminoglycans Leads to Abnormalities in Podocyte Organization, Adhesion, and Migration. *FASEB Journal*, **2012**, 26, 906.1	0.9	
62	mTORC1 activation in podocytes is a critical step in the development of diabetic nephropathy in mice. *Journal of Clinical Investigation*, **2011**, 121, 2181-96	15.9	383
61	Vascular endothelial growth factor receptor 2 direct interaction with nephrin links VEGF-A signals to actin in kidney podocytes. *Journal of Biological Chemistry*, **2011**, 286, 39933-44	5.4	54
60	Wnt/Ecatenin pathway in podocytes integrates cell adhesion, differentiation, and survival. *Journal of Biological Chemistry*, **2011**, 286, 26003-15	5.4	139
59	Podocyte-specific deletion of Myh9 encoding nonmuscle myosin heavy chain 2A predisposes mice to glomerulopathy. *Molecular and Cellular Biology*, **2011**, 31, 2162-70	4.8	65
58	The inducible deletion of Drosha and microRNAs in mature podocytes results in a collapsing glomerulopathy. *Kidney International*, **2011**, 80, 719-30	9.9	88
57	Inhibition of podocyte FAK protects against proteinuria and foot process effacement. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 1145-56	12.7	89
56	Actin-depolymerizing factor cofilin-1 is necessary in maintaining mature podocyte architecture. *Journal of Biological Chemistry*, **2010**, 285, 22676-88	5.4	88

55	Hepatocyte growth factor signaling ameliorates podocyte injury and proteinuria. *Kidney International*, **2010**, 77, 962-73	9.9	72
54	Podocytes require the engagement of cell surface heparan sulfate proteoglycans for adhesion to extracellular matrices. *Kidney International*, **2010**, 78, 1088-99	9.9	20
53	Deletion of von Hippel-Lindau in glomerular podocytes results in glomerular basement membrane thickening, ectopic subepithelial deposition of collagen {alpha}1{alpha}2{alpha}1(IV), expression of neuroglobin, and proteinuria. *American Journal of Pathology*, **2010**, 177, 84-96	5.8	29
52	Podocyte-specific overexpression of GLUT1 surprisingly reduces mesangial matrix expansion in diabetic nephropathy in mice. *American Journal of Physiology - Renal Physiology*, **2010**, 299, F91-8	4.3	35
51	Wnt/beta-catenin signaling promotes podocyte dysfunction and albuminuria. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 1997-2008	12.7	302
50	Loss of heparan sulfate glycosaminoglycan assembly in podocytes does not lead to proteinuria. *Kidney International*, **2008**, 74, 289-99	9.9	71
49	Beta1 integrin expression by podocytes is required to maintain glomerular structural integrity. *Developmental Biology*, **2008**, 316, 288-301	3.1	135
48	A mutation in the mouse Chd2 chromatin remodeling enzyme results in a complex renal phenotype. *Kidney and Blood Pressure Research*, **2008**, 31, 421-32	3.1	21
47	Ablation of developing podocytes disrupts cellular interactions and nephrogenesis both inside and outside the glomerulus. *American Journal of Physiology - Renal Physiology*, **2008**, 295, F1790-8	4.3	7
46	Podocyte-selective deletion of dicer induces proteinuria and glomerulosclerosis. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 2159-69	12.7	298
45	Ischemic injury to kidney induces glomerular podocyte effacement and dissociation of slit diaphragm proteins Neph1 and ZO-1. *Journal of Biological Chemistry*, **2008**, 283, 35579-89	5.4	60
44	Neph1 cooperates with nephrin to transduce a signal that induces actin polymerization. *Molecular and Cellular Biology*, **2007**, 27, 8698-712	4.8	121
43	Identification of the glomerular podocyte as a target for growth hormone action. *Endocrinology*, **2007**, 148, 2045-55	4.8	40
42	Differentially spliced isoforms of FAT1 are asymmetrically distributed within migrating cells. *Journal of Biological Chemistry*, **2007**, 282, 22823-33	5.4	21
41	Slit diaphragm junctional complex and regulation of the cytoskeleton. *Nephron Experimental Nephrology*, **2007**, 106, e67-72		27
40	Src family kinases directly regulate JIP1 module dynamics and activation. *Molecular and Cellular Biology*, **2007**, 27, 2431-41	4.8	24
39	The podocyte-specific inactivation of Lmx1b, Ldb1 and E2a yields new insight into a transcriptional network in podocytes. *Developmental Biology*, **2007**, 304, 701-12	3.1	48
38	Disruption of glomerular basement membrane charge through podocyte-specific mutation of agrin does not alter glomerular permselectivity. *American Journal of Pathology*, **2007**, 171, 139-52	5.8	139

37	Podocyte-specific Vhlh loss demonstrates role for hypoxia-inducible transcription factors (HIFs) in glomerular disease pathogenesis. *FASEB Journal*, **2007**, 21, A504	0.9	
36	Podocyte-specific deletion of integrin-linked kinase results in severe glomerular basement membrane alterations and progressive glomerulosclerosis. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 1334-44	12.7	124
35	Imaging podocyte dynamics. *Nephron Experimental Nephrology*, **2006**, 103, e69-74		12
34	Clinical impact of research on the podocyte slit diaphragm. *Nature Clinical Practice Nephrology*, **2006**, 2, 271-82		75
33	Positional cloning uncovers mutations in PLCE1 responsible for a nephrotic syndrome variant that may be reversible. *Nature Genetics*, **2006**, 38, 1397-405	36.3	432
32	Nephrin ectodomain engagement results in Src kinase activation, nephrin phosphorylation, Nck recruitment, and actin polymerization. *Journal of Clinical Investigation*, **2006**, 116, 1346-59	15.9	256
31	An efficient system for tissue-specific overexpression of transgenes in podocytes in vivo. *American Journal of Physiology - Renal Physiology*, **2005**, 289, F481-8	4.3	12
30	Podocyte depletion causes glomerulosclerosis: diphtheria toxin-induced podocyte depletion in rats expressing human diphtheria toxin receptor transgene. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 2941-52	12.7	566
29	Glomerular disease workshop. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 3472-6	12.7	5
28	Podocytes populate cellular crescents in a murine model of inflammatory glomerulonephritis. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 61-7	12.7	151
27	Stable expression of nephrin and localization to cell-cell contacts in novel murine podocyte cell lines. *Kidney International*, **2004**, 66, 91-101	9.9	112
26	Protocadherin FAT1 binds Ena/VASP proteins and is necessary for actin dynamics and cell polarization. *EMBO Journal*, **2004**, 23, 3769-79	13	142
25	Fyn binds to and phosphorylates the kidney slit diaphragm component Nephrin. *Journal of Biological Chemistry*, **2003**, 278, 20716-23	5.4	183
24	Podocyte-specific expression of cre recombinase in transgenic mice. *Genesis*, **2003**, 35, 39-42	1.9	240
23	Nephrin and Neph1 co-localize at the podocyte foot process intercellular junction and form cis hetero-oligomers. *Journal of Biological Chemistry*, **2003**, 278, 19266-71	5.4	140
22	Recruitment of JNK to JIP1 and JNK-dependent JIP1 phosphorylation regulates JNK module dynamics and activation. *Journal of Biological Chemistry*, **2003**, 278, 28694-702	5.4	61
21	Inducible podocyte-specific gene expression in transgenic mice. *Journal of the American Society of Nephrology: JASN*, **2003**, 14, 1998-2003	12.7	71
20	Phosphorylation of Pax2 by the c-Jun N-terminal kinase and enhanced Pax2-dependent transcription activation. *Journal of Biological Chemistry*, **2002**, 277, 1217-22	5.4	68

19	Two gene fragments that direct podocyte-specific expression in transgenic mice. *Journal of the American Society of Nephrology: JASN*, **2002**, 13, 1561-7	12.7	91
18	Podocyte depletion and glomerulosclerosis have a direct relationship in the PAN-treated rat. *Kidney International*, **2001**, 60, 957-68	9.9	298
17	Podocin, a raft-associated component of the glomerular slit diaphragm, interacts with CD2AP and nephrin. *Journal of Clinical Investigation*, **2001**, 108, 1621-1629	15.9	438
16	GLUT-1 reduces hypoxia-induced apoptosis and JNK pathway activation. *American Journal of Physiology - Endocrinology and Metabolism*, **2000**, 278, E958-66	6	53
15	Identification of structural and functional domains in mixed lineage kinase dual leucine zipper-bearing kinase required for complex formation and stress-activated protein kinase activation. *Journal of Biological Chemistry*, **2000**, 275, 7273-9	5.4	57
14	Caveolar structure and protein sorting are maintained in NIH 3T3 cells independent of glycosphingolipid depletion. *Archives of Biochemistry and Biophysics*, **2000**, 373, 83-90	4.1	26
13	Altered podocyte structure in GLEPP1 (Ptpro)-deficient mice associated with hypertension and low glomerular filtration rate. *Journal of Clinical Investigation*, **2000**, 106, 1281-90	15.9	115
12	Evaluation of a new tool for exploring podocyte biology: mouse Nphs1 5Tflanking region drives LacZ expression in podocytes. *Journal of the American Society of Nephrology: JASN*, **2000**, 11, 2306-2314	12.7	55
11	Nephritogenic mAb 5-1-6 is directed at the extracellular domain of rat nephrin. *Journal of Clinical Investigation*, **2000**, 105, 125-125	15.9	78
10	Requirement for Ras/Rac1-mediated p38 and c-Jun N-terminal kinase signaling in Stat3 transcriptional activity induced by the Src oncoprotein. *Molecular and Cellular Biology*, **1999**, 19, 7519-28	4.8	218
9	The mixed lineage kinase DLK utilizes MKK7 and not MKK4 as substrate. *Journal of Biological Chemistry*, **1999**, 274, 10195-202	5.4	81
8	Re-expression of the developmental gene Pax-2 during experimental acute tubular necrosis in mice 1. *Kidney International*, **1999**, 56, 1423-31	9.9	152
7	Nephrin localizes to the slit pore of the glomerular epithelial cell. *Kidney International*, **1999**, 56, 1481-91	9.9	227
6	Cloning and expression of the rat nephrin homolog. *American Journal of Pathology*, **1999**, 155, 907-13	5.8	58
5	Nephritogenic mAb 5-1-6 is directed at the extracellular domain of rat nephrin. *Journal of Clinical Investigation*, **1999**, 104, 1559-66	15.9	124
4	Post-translational processing and renal expression of mouse Indian hedgehog. *Journal of Biological Chemistry*, **1997**, 272, 8466-73	5.4	25
3	Characterization of dual leucine zipper-bearing kinase, a mixed lineage kinase present in synaptic terminals whose phosphorylation state is regulated by membrane depolarization via calcineurin. *Journal of Biological Chemistry*, **1996**, 271, 16888-96	5.4	60
2	Dual leucine zipper-bearing kinase (DLK) activates p46SAPK and p38mapk but not ERK2. *Journal of Biological Chemistry*, **1996**, 271, 24788-93	5.4	111

1	SA gene expression in the proximal tubule of normotensive and hypertensive rats. *Hypertension*, **1996**, 27, 541-51	8.5	16