

# Deepak Nihalani

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,193  
citations

516710

16  
h-index

454955

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nephrin ectodomain engagement results in Src kinase activation, nephrin phosphorylation, Nck recruitment, and actin polymerization. <i>Journal of Clinical Investigation</i> , 2006, 116, 1346-1359.	8.2	282
2	Neph1 Cooperates with Nephrin To Transduce a Signal That Induces Actin Polymerization. <i>Molecular and Cellular Biology</i> , 2007, 27, 8698-8712.	2.3	130
3	A reassessment of soluble urokinase-type plasminogen activator receptor in glomerular disease. <i>Kidney International</i> , 2015, 87, 564-574.	5.2	111
4	Crk1/2-dependent signaling is necessary for podocyte foot process spreading in mouse models of glomerular disease. <i>Journal of Clinical Investigation</i> , 2012, 122, 674-692.	8.2	92
5	Ischemic Injury to Kidney Induces Glomerular Podocyte Effacement and Dissociation of Slit Diaphragm Proteins Nephrin and ZO-1. <i>Journal of Biological Chemistry</i> , 2008, 283, 35579-35589.	3.4	80
6	miRNA profiling of urinary exosomes to assess the progression of acute kidney injury. <i>Scientific Reports</i> , 2019, 9, 4692.	3.3	63
7	Mitochondrial biogenesis induced by the $\beta_2$ -adrenergic receptor agonist formoterol accelerates podocyte recovery from glomerular injury. <i>Kidney International</i> , 2019, 96, 656-673.	5.2	44
8	The exocyst is required for photoreceptor ciliogenesis and retinal development. <i>Journal of Biological Chemistry</i> , 2017, 292, 14814-14826.	3.4	40
9	Slit Diaphragm Protein Nephrin and Its Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 9502-9518.	3.4	39
10	Structural Analysis of the Myo1c and Nephrin Complex Provides Insight into the Intracellular Movement of Nephrin. <i>Molecular and Cellular Biology</i> , 2016, 36, 1639-1654.	2.3	34
11	Sirt1-Claudin-1 Crosstalk regulates renal function. <i>Nature Medicine</i> , 2013, 19, 1371-1372.	30.7	26
12	Mutations in KIRREL1, a slit diaphragm component, cause steroid-resistant nephrotic syndrome. <i>Kidney International</i> , 2019, 96, 883-889.	5.2	23
13	A Novel CLCN5 Mutation Associated With Focal Segmental Glomerulosclerosis and Podocyte Injury. <i>Kidney International Reports</i> , 2018, 3, 1443-1453.	0.8	22
14	The motor protein Myo1c regulates transforming growth factor- $\beta$ signaling and fibrosis in podocytes. <i>Kidney International</i> , 2019, 96, 139-158.	5.2	20
15	Targeting Nephrin and ZO-1 protein-protein interaction in podocytes prevents podocyte injury and preserves glomerular filtration function. <i>Scientific Reports</i> , 2017, 7, 12047.	3.3	19
16	$\beta_2$ -adrenergic receptor in kidney biology: A current prospective. <i>Nephrology</i> , 2019, 24, 497-503.	1.6	18
17	Myosin-1 inhibition by PCIP affects membrane shape, cortical actin distribution and lipid droplet dynamics in early Zebrafish embryos. <i>PLoS ONE</i> , 2017, 12, e0180301.	2.5	18
18	Disruption of the exocyst induces podocyte loss and dysfunction. <i>Journal of Biological Chemistry</i> , 2019, 294, 10104-10119.	3.4	17

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19	Myo1c is an unconventional myosin required for zebrafish glomerular development. <i>Kidney International</i> , 2013, 84, 1154-1165.	5.2	14
20	Adriamycin susceptibility among C57BL/6 substrains. <i>Kidney International</i> , 2016, 89, 721-723.	5.2	14
21	Solution Structure Analysis of Cytoplasmic Domain of Podocyte Protein Neph1 Using Small/Wide Angle X-ray Scattering (SWAXS). <i>Journal of Biological Chemistry</i> , 2012, 287, 9441-9453.	3.4	13
22	Deficiency of the Angiotensinase Aminopeptidase A Increases Susceptibility to Glomerular Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2119-2132.	6.1	12
23	High-content screening assay-based discovery of paullones as novel podocyte-protective agents. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, F280-F292.	2.7	12
24	Development of a novel cell-based assay to diagnose recurrent focal segmental glomerulosclerosis patients. <i>Kidney International</i> , 2019, 95, 708-716.	5.2	10
25	A Functional Binding Domain in the Rbpr2 Receptor Is Required for Vitamin A Transport, Ocular Retinoid Homeostasis, and Photoreceptor Cell Survival in Zebrafish. <i>Cells</i> , 2020, 9, 1099.	4.1	9
26	Loss of Motor Protein MYO1C Causes Rhodopsin Mislocalization and Results in Impaired Visual Function. <i>Cells</i> , 2021, 10, 1322.	4.1	8
27	The Use of High-Throughput Transcriptomics to Identify Pathways with Therapeutic Significance in Podocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 274.	4.1	7
28	Transcriptomics Reveal Altered Metabolic and Signaling Pathways in Podocytes Exposed to C16 Ceramide-Enriched Lipoproteins. <i>Genes</i> , 2020, 11, 178.	2.4	6
29	Targeting myosin 1c inhibits murine hepatic fibrogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G1044-G1053.	3.4	5
30	Phosphorylation of slit diaphragm proteins NEPHRIN and NEPH1 upon binding of HGF promotes podocyte repair. <i>Journal of Biological Chemistry</i> , 2021, 297, 101079.	3.4	4
31	An efficient and scalable synthesis of Isodesmosine. <i>Journal of Heterocyclic Chemistry</i> , 0, , .	2.6	0