

Tomoko Takano

List of Publications by Year in descending order

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60
papers

2,552
citations

201674

27
h-index

197818

49
g-index

60
all docs

60
docs citations

60
times ranked

3253
citing authors

#	ARTICLE	IF	CITATIONS
1	Nck adaptor proteins link nephrin to the actin cytoskeleton of kidney podocytes. <i>Nature</i> , 2006, 440, 818-823.	27.8	432
2	Apoptosis inhibitor of macrophage protein enhances intraluminal debris clearance and ameliorates acute kidney injury in mice. <i>Nature Medicine</i> , 2016, 22, 183-193.	30.7	161
3	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
4	Activation of RhoA in Podocytes Induces Focal Segmental Glomerulosclerosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1621-1630.	6.1	114
5	Complement C5b-9 Membrane Attack Complex Increases Expression of Endoplasmic Reticulum Stress Proteins in Glomerular Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 41342-41351.	3.4	107
6	Role of the Endoplasmic Reticulum Unfolded Protein Response in Glomerular Epithelial Cell Injury. <i>Journal of Biological Chemistry</i> , 2005, 280, 24396-24403.	3.4	101
7	<i>ARHGDI2</i> : a novel gene implicated in nephrotic syndrome. <i>Journal of Medical Genetics</i> , 2013, 50, 330-338.	3.2	92
8	Nck Proteins Maintain the Adult Glomerular Filtration Barrier. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1533-1543.	6.1	81
9	Targeting the mTOR pathway uncouples the efficacy and toxicity of PD-1 blockade in renal transplantation. <i>Nature Communications</i> , 2019, 10, 4712.	12.8	76
10	Nephrin Tyrosine Phosphorylation Is Required to Stabilize and Restore Podocyte Foot Process Architecture. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2422-2435.	6.1	65
11	Complement C5b-9-Mediated Arachidonic Acid Metabolism in Glomerular Epithelial Cells. <i>American Journal of Pathology</i> , 2000, 156, 2091-2101.	3.8	64
12	Role of the retinoic acid receptor- α in HIV-associated nephropathy. <i>Kidney International</i> , 2011, 79, 624-634.	5.2	64
13	Complement-Mediated Cellular Injury. <i>Seminars in Nephrology</i> , 2013, 33, 586-601.	1.6	60
14	Complement Activates the c-Jun N-Terminal Kinase/Stress-Activated Protein Kinase in Glomerular Epithelial Cells. <i>Journal of Immunology</i> , 2002, 169, 2594-2601.	0.8	55
15	Rac1 activation in podocytes induces the spectrum of nephrotic syndrome. <i>Kidney International</i> , 2017, 92, 349-364.	5.2	53
16	From podocyte biology to novel cures for glomerular disease. <i>Kidney International</i> , 2019, 96, 850-861.	5.2	49
17	Role of Rho-GTPases and their regulatory proteins in glomerular podocyte function. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 773-782.	1.4	48
18	p38 Mitogen-activated protein kinase protects glomerular epithelial cells from complement-mediated cell injury. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, F765-F774.	2.7	47

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19	Prostaglandin E2 promotes cell survival of glomerular epithelial cells via the EP4 receptor. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F1534-F1542.	2.7	47
20	Complement-induced phospholipase A2 activation in experimental membranous nephropathy ¹ See Editorial by Shankland, p. 1204.. <i>Kidney International</i> , 2000, 57, 1052-1062.	5.2	45
21	Rat nephrin modulates cell morphology via the adaptor protein Nck. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 310-316.	2.1	44
22	Inhibition of Cyclooxygenases Reduces Complement-Induced Glomerular Epithelial Cell Injury and Proteinuria in Passive Heymann Nephritis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 240-249.	2.5	37
23	Rac1 Contributes to Actin Organization in Glomerular Podocytes. <i>Nephron Experimental Nephrology</i> , 2010, 114, e93-e106.	2.2	33
24	Salt Sensing by Serum/Glucocorticoid-Regulated Kinase 1 Promotes Th17-like Inflammatory Adaptation of Foxp3 ⁺ Regulatory T Cells. <i>Cell Reports</i> , 2020, 30, 1515-1529.e4.	6.4	33
25	Role of Rho-GTPases in complement-mediated glomerular epithelial cell injury. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F148-F156.	2.7	32
26	Podocyte Protein, Nephrin, Is a Substrate of Protein Tyrosine Phosphatase 1B. <i>Journal of Signal Transduction</i> , 2011, 2011, 1-10.	2.0	30
27	Complement-mediated Activation of Calcium-independent Phospholipase A2 ¹ . <i>Journal of Biological Chemistry</i> , 2013, 288, 3871-3885.	3.4	28
28	Protein Tyrosine Phosphatase 1B Inhibition Protects against Podocyte Injury and Proteinuria. <i>American Journal of Pathology</i> , 2014, 184, 2211-2224.	3.8	28
29	p21-Activated kinases regulate actin remodeling in glomerular podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F951-F961.	2.7	26
30	Rho GTPase regulatory proteins in podocytes. <i>Kidney International</i> , 2021, 99, 336-345.	5.2	26
31	ShcA Adaptor Protein Promotes Nephrin Endocytosis and Is Upregulated in Proteinuric Nephropathies. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 92-103.	6.1	24
32	Disease-causing mutations of RhoGDI ¹ induce Rac1 hyperactivation in podocytes. <i>Small GTPases</i> , 2016, 7, 107-121.	1.6	22
33	Complement C5b-9 induces cyclooxygenase-2 gene transcription in glomerular epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, F841-F850.	2.7	21
34	Endoplasmic reticulum stress in glomerular epithelial cell injury. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F496-F508.	2.7	21
35	A Point Mutation in p190A RhoGAP Affects Ciliogenesis and Leads to Glomerulocystic Kidney Defects. <i>PLoS Genetics</i> , 2016, 12, e1005785.	3.5	21
36	Role of calcium-independent phospholipase A ₂ in complement-mediated glomerular epithelial cell injury. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F469-F479.	2.7	20

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37	Genetic Ablation of Calcium-independent Phospholipase A2 β Induces Glomerular Injury in Mice. <i>Journal of Biological Chemistry</i> , 2016, 291, 14468-14482.	3.4	19
38	The actin cytoskeleton facilitates complement-mediated activation of cytosolic phospholipase A2. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 286, F466-F476.	2.7	18
39	Podocyte Injury and Albuminuria in Mice with Podocyte-Specific Overexpression of the Ste20-Like Kinase, SLK. <i>American Journal of Pathology</i> , 2010, 177, 2290-2299.	3.8	18
40	Rituximab in Minimal Change Disease. <i>Canadian Journal of Kidney Health and Disease</i> , 2017, 4, 205435811769866.	1.1	16
41	Calcium-independent Phospholipase A2 β Enhances Activation of the ATF6 Transcription Factor during Endoplasmic Reticulum Stress. <i>Journal of Biological Chemistry</i> , 2015, 290, 3009-3020.	3.4	13
42	Cytosolic phospholipase A2 β enhances induction of endoplasmic reticulum stress. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 468-481.	4.1	12
43	Nuclear factor of activated T cells mediates RhoA-induced fibronectin upregulation in glomerular podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F849-F862.	2.7	12
44	ARHGEF7 (β -PIX) Is Required for the Maintenance of Podocyte Architecture and Glomerular Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 996-1008.	6.1	12
45	The Role of Trio, a Rho Guanine Nucleotide Exchange Factor, in Glomerular Podocytes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 479.	4.1	11
46	Recessive mutation in CD2AP causes focal segmental glomerulosclerosis in humans and mice. <i>Kidney International</i> , 2019, 95, 57-61.	5.2	11
47	Multivalent nephrin/Nck interactions define a threshold for clustering and tyrosine-dependent nephrin endocytosis. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	11
48	Role of Guanine Nucleotide Exchange Factor-H1 in Complement-mediated RhoA Activation in Glomerular Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 4206-4218.	3.4	10
49	Changing Paradigms in the Management of Rejection in Kidney Transplantation. <i>Canadian Journal of Kidney Health and Disease</i> , 2017, 4, 205435811668822.	1.1	10
50	Role of Rho GTPase Interacting Proteins in Subcellular Compartments of Podocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3656.	4.1	10
51	Complement C5b-9 induces cyclooxygenase-2 gene transcription in glomerular epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, F841-F850.	2.7	10
52	Complement-mediated glomerular injury is reduced by inhibition of protein-tyrosine phosphatase 1B. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F634-F647.	2.7	9
53	Loss of Rho-GDI α sensitizes podocytes to lipopolysaccharide-mediated injury. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F1207-F1216.	2.7	6
54	Rho-GTPase Signalling in the Pathogenesis of Nephrotic Syndrome. <i>Advances in Nephrology</i> , 2014, 2014, 1-11.	0.2	5

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55	The cytoprotective role of Ras in complement-mediated glomerular epithelial cell injury. <i>Clinical Immunology</i> , 2009, 131, 343-353.	3.2	4
56	The Canadian childhood nephrotic syndrome (CHILDNEPH) study: report on mid-study feasibility, recruitment and main measures. <i>BMC Nephrology</i> , 2019, 20, 159.	1.8	4
57	Binding and inhibition of the ternary complex factor Elk-4/Sap1 by the adapter protein Dok-4. <i>Biochemical Journal</i> , 2017, 474, 1509-1528.	3.7	3
58	Pathogenesis of common glomerular diseases – role of the podocyte cytoskeleton. <i>Cell Health and Cytoskeleton</i> , 2012, , 103.	0.7	2
59	Mammalian target of rapamycin is activated in the kidneys of patients with scleroderma renal crisis. <i>Journal of Scleroderma and Related Disorders</i> , 2020, 5, 152-158.	1.7	2
60	The Canadian Glomerulonephritis Registry (CGNR) and Translational Research Initiative: Rationale and Clinical Research Protocol. <i>Canadian Journal of Kidney Health and Disease</i> , 2022, 9, 205435812210890.	1.1	1