Shizuko Nagao

List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	2,538 citations	257450 24 h-index	189892 50 g-index
60 all docs	60 docs citations	60 times ranked	2336 citing authors

#	Article	IF	Citations
1	cAMP stimulates the in vitro proliferation of renal cyst epithelial cells by activating the extracellular signal-regulated kinase pathway. Kidney International, 2000, 57, 1460-1471.	5.2	308
2	Cyclic AMP activates B-Raf and ERK in cyst epithelial cells from autosomal-dominant polycystic kidneys. Kidney International, 2003, 63, 1983-1994.	5.2	291
3	Increased Water Intake Decreases Progression of Polycystic Kidney Disease in the PCK Rat. Journal of the American Society of Nephrology: JASN, 2006, 17, 2220-2227.	6.1	207
4	Gut microbiome-derived phenyl sulfate contributes to albuminuria in diabetic kidney disease. Nature Communications, 2019, 10, 1835.	12.8	173
5	Progressive renal fibrosis in murine polycystic kidney disease: An immunohistochemical observation. Kidney International, 2000, 58, 587-597.	5.2	143
6	Renal accumulation and excretion of cyclic adenosine monophosphate in a murine model of slowly progressive polycystic kidney disease. American Journal of Kidney Diseases, 1997, 30, 703-709.	1.9	124
7	Mitochondrial Abnormality Facilitates Cyst Formation in Autosomal Dominant Polycystic Kidney Disease. Molecular and Cellular Biology, 2017, 37, .	2.3	98
8	Renal activation of extracellular signal-regulated kinase in rats with autosomal-dominant polycystic kidney disease. Kidney International, 2003, 63, 427-437.	5.2	95
9	Increased renal expression of monocyte chemoattractant protein-1 and osteopontin in ADPKD in rats. Kidney International, 2001, 60, 2087-2096.	5.2	87
10	PPAR-Î³ agonist ameliorates kidney and liver disease in an orthologous rat model of human autosomal recessive polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2011, 300, F465-F474.	2.7	80
11	Methylprednisolone retards the progression of inherited polycystic kidney disease in rodents. American Journal of Kidney Diseases, 1995, 25, 302-313.	1.9	74
12	Calcium channel inhibition accelerates polycystic kidney disease progression in the Cy/+ rat. Kidney International, 2008, 73, 269-277.	5.2	72
13	Animal Models for Human Polycystic Kidney Disease. Experimental Animals, 2012, 61, 477-488.	1.1	67
14	Epithelial-to-mesenchymal transition in cyst lining epithelial cells in an orthologous PCK rat model of autosomal-recessive polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2011, 300, F511-F520.	2.7	44
15	Cell proliferation and advancement of hepatocarcinogenesis in the rat are associated with a decrease in connexin 32 expression. Carcinogenesis, 1995, 16, 101-105.	2.8	43
16	Identification of a novel biomarker gene set with sensitivity and specificity for distinguishing between allograft rejection and tolerance. Liver Transplantation, 2012, 18, 444-454.	2.4	43
17	Sex Differences in the Densities of Epidermal Langerhans Cells of the Mouse. Journal of Investigative Dermatology, 1987, 88, 541-544.	0.7	34
18	Effects of transgenic Pit-1 overexpression on calcium phosphate and bone metabolism. Journal of Bone and Mineral Metabolism, 2010, 28, 139-148.	2.7	32

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19	Phosphate overload induces podocyte injury via type III Na-dependent phosphate transporter. American Journal of Physiology - Renal Physiology, 2011, 300, F848-F856.	2.7	30
20	Distinct oxylipin alterations in diverse models of cystic kidney diseases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1562-1574.	2.4	29
21	Strain Difference in Expression of the Adult-type Polycystic Kidney Disease Gene, <I>pcy</I>, in the Mouse. Experimental Animals, 1991, 40, 45-53.	1.1	28
22	Cyst fluid from a murine model of polycystic kidney disease stimulates fluid secretion, cyclic adenosine monophosphate accumulation, and cell proliferation by Madin-Darby canine kidney cells in vitro. American Journal of Kidney Diseases, 1995, 25, 471-477.	1.9	28
23	Androgen Receptor Pathway in Rats with Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2005, 16, 2052-2062.	6.1	27
24	Metabolomic profiling of the autosomal dominant polycystic kidney disease rat model. Clinical and Experimental Nephrology, 2011, 15, 676-687.	1.6	24
25	Effect of probucol in a murine model of slowly progressive polycystic kidney disease. American Journal of Kidney Diseases, 2000, 35, 221-226.	1.9	23
26	Polycystic kidney disease in Han:SPRD Cy rats is associated with elevated expression and mislocalization of SamCystin. American Journal of Physiology - Renal Physiology, 2010, 299, F1078-F1086.	2.7	23
27	Telmisartan Ameliorates Fibrocystic Liver Disease in an Orthologous Rat Model of Human Autosomal Recessive Polycystic Kidney Disease. PLoS ONE, 2013, 8, e81480.	2.5	23
28	Isolation and Culture of Panning Methodâ€enriched Langerhans Cells from Dispaseâ€dissociated Epidermal Cells of the Mouse. Journal of Dermatology, 1990, 17, 211-217.	1.2	21
29	The effect of paclitaxel on the progression of polycystic kidney disease in rodents. American Journal of Kidney Diseases, 1997, 29, 435-444.	1.9	19
30	PPAR-Î³ Agonists in Polycystic Kidney Disease with Frequent Development of Cardiovascular Disorders. Current Molecular Pharmacology, 2012, 5, 292-300.	1.5	19
31	Effect of Systemic and Topical Application of Testosterone Propionate on the Density of Epidermal Langerhans Cells in the Mouse. Journal of Investigative Dermatology, 1989, 92, 86-90.	0.7	18
32	Cyclooxygenase product inhibition with acetylsalicylic acid slows disease progression in the Han:SPRD-Cy rat model of polycystic kidney disease. Prostaglandins and Other Lipid Mediators, 2015, 116-117, 19-25.	1.9	18
33	Vasopressin Stimulates Na-dependent Phosphate Transport and Calcification in Rat Aortic Smooth Muscle Cells. Endocrine Journal, 2007, 54, 103-112.	1.6	17
34	Global gene expression profiling in early-stage polycystic kidney disease in the Han:SPRD Cy rat identifies a role for RXR signaling. American Journal of Physiology - Renal Physiology, 2011, 300, F177-F188.	2.7	16
35	Number of Simultaneously Expressed Enzyme Alterations Correlates with Progression of N-Ethyl-N-hydroxyethylnitrosamine-induced Hepatocarcinogenesis in Rats. Japanese Journal of Cancer Research, 1993, 84, 1237-1244.	1.7	15
36	Beneficial effect of combined treatment with octreotide and pasireotide in PCK rats, an orthologous model of human autosomal recessive polycystic kidney disease. PLoS ONE, 2017, 12, e0177934.	2.5	15

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37	Altered Extracellular Matrix Component Gene Expression in Murine Polycystic Kidney. Kidney and Blood Pressure Research, 1995, 18, 73-80.	2.0	12
38	Global Gene Expression Profiling in PPAR-Î³Agonist-Treated Kidneys in an Orthologous Rat Model of Human Autosomal Recessive Polycystic Kidney Disease. PPAR Research, 2012, 2012, 1-10.	2.4	11
39	Renal Cyclooxygenase Products are Higher and Lipoxygenase Products are Lower in Early Disease in the pcy Mouse Model of Adolescent Nephronophthisis. Lipids, 2014, 49, 39-47.	1.7	10
40	Dietary flax oil rich in Î±-linolenic acid reduces renal disease and oxylipin abnormalities, including formation of docosahexaenoic acid derived oxylipins in the CD1-pcy/pcy mouse model of nephronophthisis. Prostaglandins Leukotrienes and Essential Fatty Acids, 2015, 94, 83-89.	2.2	10
41	Aberrant Smad3 phosphoisoforms in cyst-lining epithelial cells in thecpkmouse, a model of autosomal recessive polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2017, 313, F1223-F1231.	2.7	10
42	Closely linked polymorphic markers for determining the autosomal dominant allele (Cy) in rat polycystic kidney disease. Biochemical Genetics, 1999, 37, 227-235.	1.7	9
43	Decreased Dimethylnitrosamine-induced O6- and N7-Methyldeoxyguanosine Levels Correlate with Development and Progression of Lesions in Rat Hepatocarcinogenesis. Japanese Journal of Cancer Research, 1993, 84, 1245-1251.	1.7	8
44	Renal Carbonic Anhydrase Activity in DBA/2FG-pcy/pcy Mice with Inherited Polycystic Kidney Disease.. Experimental Animals, 1999, 48, 161-169.	1.1	8
45	Genetic mapping of the polycystic kidney gene,pcy, on mouse chromosome 9. Biochemical Genetics, 1995, 33, 401-412.	1.7	7
46	Genetic regulation of slowly progressing mild muscle atrophy in fast-twitch muscles of BUF/Mna rats. , 1997, 20, 1258-1263.		6
47	Strategy for generation of replicationâ€“competent recombinant rotaviruses expressing multiple foreign genes. Journal of General Virology, 2021, 102, .	2.9	6
48	[P2â€“042]: EXTRACORPOREAL BLOOD AÎ² REMOVAL SYSTEM (EBARS) REDUCED SOLUBLE AÎ² IN THE BRAIN BY TRIGGERING INFLUX INTO THE BLOOD: RAT STUDIES. Alzheimer's and Dementia, 2017, 13, P620.	0.8	5
49	The Effects of Antihypertensive Agents on the Survival Rate of Polycystic Kideney Disease in Han: SPRD Rats.. Hypertension Research, 2002, 25, 939-943.	2.7	5
50	Stimulation-Dependent Intraspinal Microtubules and Synaptic Failure in Alzheimer's Disease: A Review. International Journal of Alzheimer's Disease, 2012, 2012, 1-7.	2.0	4
51	Pelvic axis-based gait analysis for ataxic mice. Journal of Neuroscience Methods, 2013, 219, 162-168.	2.5	4
52	Availability of subfertile transgenic rats expressing the c-myc gene as recipients for spermatogonial transplantation. Transgenic Research, 2009, 18, 135-141.	2.4	3
53	Linkage Analysis of Two Murine Polycystic Kidney Disease Genes, <I>pcy</I> and <I>cpk</I>. Experimental Animals, 1991, 40, 557-560.	1.1	2
54	Structure and Function of the Pancreas in the Polycystic Kidney Rat. Pancreas, 2012, 41, 1292-1298.	1.1	2

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55	Increased salt intake does not worsen the progression of renal cystic disease in high water-loaded PCK rats. PLoS ONE, 2019, 14, e0207461.	2.5	2
56	Novel 3D capsule device to restrict kidney volume expansion on polycystic kidney progression: feasibility study in a rat model. Journal of Nephrology, 2022, 35, 1033-1040.	2.0	2
57	Rotavirus incapable of NSP6 expression can cause diarrhea in suckling mice. Journal of General Virology, 2022, 103, .	2.9	2
58	High Levels of Dietary Lard or Sucrose May Aggravate Lysosomal Renal Injury in Non-Obese, Streptozotocin-Injected CD-1 Mice Provided Isocaloric Diets. Journal of Nutritional Science and Vitaminology, 2021, 67, 243-248.	0.6	1
59	A new murine ileostomy model: recycling stool prevents intestinal atrophy in the distal side of ileostomy.. , 2021, 7, 41-49.		1
60	Specific Changes in the Basement Membrane of the Proximal Tubules in the Murine Polycystic Kidney Detected by the Novel Anti-basement Membrane Monoclonal Antibody D28. Experimental Animals, 1994, 43, 511-519.	1.1	0