

Toshiaki Monkawa

List of Publications by Year in descending order

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54
papers

2,784
citations

159585

30
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

2901
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutational Analysis of the Ligand Binding Site of the Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 1996, 271, 18277-18284.	3.4	220
2	Cloning and expression of a protein kinase C-regulated chloride channel abundantly expressed in rat brain neuronal cells. Neuron, 1994, 12, 597-604.	8.1	219
3	Heterotetrameric Complex Formation of Inositol 1,4,5-Trisphosphate Receptor Subunits. Journal of Biological Chemistry, 1995, 270, 14700-14704.	3.4	208
4	Molecular Cloning of cDNA and Genomic DNA for Human 25-hydroxyvitamin D ₃ 1 α -hydroxylase. Biochemical and Biophysical Research Communications, 1997, 239, 527-533.	2.1	172
5	Heart failure causes cholinergic transdifferentiation of cardiac sympathetic nerves via gp130-signaling cytokines in rodents. Journal of Clinical Investigation, 2010, 120, 408-421.	8.2	128
6	A New Member of the HCO ⁺ Superfamily Is an Apical Anion Exchanger of \hat{I}^2 -Intercalated Cells in the Kidney. Journal of Biological Chemistry, 2001, 276, 8180-8189.	2.1	119
7	Identification of 25-hydroxyvitamin D ₃ 1 α -hydroxylase gene expression in macrophages. Kidney International, 2000, 58, 559-568.	5.2	105
8	Differentiation of murine embryonic stem and induced pluripotent stem cells to renal lineage in vitro. Biochemical and Biophysical Research Communications, 2009, 390, 1334-1339.	2.1	99
9	Regulation of Expression of Leptin mRNA and Secretion of Leptin by Thyroid Hormone in 3T3-L1 Adipocytes. Biochemical and Biophysical Research Communications, 1997, 232, 822-826.	2.1	85
10	Podocyte expression of the CDK-inhibitor p57 during development and disease. Kidney International, 2001, 60, 2235-2246.	5.2	85
11	Monoclonal antibodies distinctively recognizing the subtypes of inositol 1,4,5-trisphosphate receptor: Application to the studies on inflammatory cells. FEBS Letters, 1994, 354, 149-154.	2.8	84
12	Two novel 1 α -hydroxylase mutations in French-Canadians with vitamin D dependency rickets type I. See Editorial by Portale and Miller, p. 1762.. Kidney International, 1998, 54, 1437-1443.	5.2	82
13	The Hypertrophic Effect of Transforming Growth Factor- \hat{I}^2 is Reduced in the Absence of Cyclin-Dependent Kinase-Inhibitors p21 and p27. Journal of the American Society of Nephrology: JASN, 2002, 13, 1172-1178.	6.1	72
14	Snail1 is involved in the renal epithelial \hat{I}^2 mesenchymal transition. Biochemical and Biophysical Research Communications, 2007, 362, 63-68.	2.1	72
15	Novel Mutations in Thiazide-Sensitive Na-Cl Cotransporter Gene of Patients with Gitelman's Syndrome. Journal of the American Society of Nephrology: JASN, 2000, 11, 65-70.	6.1	69
16	Dietary Phosphorus Deprivation Induces 25-Hydroxyvitamin D ₃ 1 α -Hydroxylase Gene Expression. Endocrinology, 2001, 142, 1720-1726.	2.8	68
17	The role of microRNA-145 in human embryonic stem cell differentiation into vascular cells. Atherosclerosis, 2011, 219, 468-474.	0.8	57
18	Serum leptin concentrations in patients with thyroid disorders. Clinical Endocrinology, 1998, 48, 299-302.	2.4	56

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19	Leukemia Inhibitory Factor Is Involved in Tubular Regeneration after Experimental Acute Renal Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 3090-3101.	6.1	56
20	miR-34c attenuates epithelial-mesenchymal transition and kidney fibrosis with ureteral obstruction. <i>Scientific Reports</i> , 2014, 4, 4578.	3.3	54
21	Fibroblast Expression of an Î² Dominant-Negative Transgene Attenuates Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 2047-2052.	6.1	44
22	Kidney Specific Protein-Positive Cells Derived from Embryonic Stem Cells Reproduce Tubular Structures In Vitro and Differentiate into Renal Tubular Cells. <i>PLoS ONE</i> , 2013, 8, e64843.	2.5	42
23	Induction of human pluripotent stem cells into kidney tissues by synthetic mRNAs encoding transcription factors. <i>Scientific Reports</i> , 2019, 9, 913.	3.3	40
24	Complete Elimination of Cardiodepressant IgG3 Autoantibodies by Immunoabsorption in Patients With Severe Heart Failure. <i>Circulation Journal</i> , 2010, 74, 1372-1378.	1.6	37
25	Generation of kidney tubular organoids from human pluripotent stem cells. <i>Scientific Reports</i> , 2016, 6, 38353.	3.3	36
26	Regulation of obese mRNA expression by hormonal factors in primary cultures of rat adipocytes. <i>European Journal of Endocrinology</i> , 1996, 135, 619-625.	3.7	35
27	Localization of inositol 1,4,5-trisphosphate receptors in the rat kidney. <i>Kidney International</i> , 1998, 53, 296-301.	5.2	33
28	Comparison of the effects of calcitriol and maxacalcitol on secondary hyperparathyroidism in patients on chronic haemodialysis: a randomized prospective multicentre trial. <i>Nephrology Dialysis Transplantation</i> , 2004, 19, 2067-2073.	0.7	33
29	Role of Vasopressin V2 Receptor in Acute Regulation of Aquaporin-2. <i>Kidney and Blood Pressure Research</i> , 1996, 19, 32-37.	2.0	31
30	Calcitonin Induces 25-Hydroxyvitamin D3 1Î±-Hydroxylase mRNA Expression via Protein Kinase C Pathway in LLC-PK1 Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 1999, 10, 2474-2479.	6.1	31
31	Insulin is a potent survival factor in mesangial cells: Role of the PI3-kinase/Akt pathway. <i>Kidney International</i> , 2002, 61, 1312-1321.	5.2	30
32	Specific immunoabsorption therapy using a tryptophan column in patients with refractory heart failure due to dilated cardiomyopathy. <i>Journal of Clinical Apheresis</i> , 2011, 26, 1-8.	1.3	30
33	Spironolactone in Combination with Cilazapril Ameliorates Proteinuria and Renal Interstitial Fibrosis in Rats with Anti-Thy-1 Irreversible Nephritis. <i>Hypertension Research</i> , 2004, 27, 971-978.	2.7	28
34	Expression of the Na ⁺ /H ⁺ exchanger regulatory protein family in genetically hypertensive rats. <i>Journal of Hypertension</i> , 2004, 22, 1723-1730.	0.5	28
35	Selective depletion of mouse kidney proximal straight tubule cells causes acute kidney injury. <i>Transgenic Research</i> , 2012, 21, 51-62.	2.4	24
36	Immunoabsorption therapy for dilated cardiomyopathy using tryptophan column: A prospective, multicenter, randomized, within-patient and parallel-group comparative study to evaluate efficacy and safety. <i>Journal of Clinical Apheresis</i> , 2016, 31, 535-544.	1.3	22

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37	Expression and Localization of the Water Channels in Human Autosomal Dominant Polycystic Kidney Disease. <i>Nephron</i> , 1997, 75, 321-326.	0.6	21
38	Cloning of Porcine 25-Hydroxyvitamin D3 1 α -Hydroxylase and Its Regulation by cAMP in LLC-PK1 Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 1999, 10, 963-970.	6.1	20
39	A case of severe osteomalacia caused by Tubulointerstitial nephritis with Fanconi syndrome in asymptomatic primary biliary cirrhosis. <i>BMC Nephrology</i> , 2015, 16, 187.	1.8	19
40	Microarray analysis of a reversible model and an irreversible model of anti-Thy-1 nephritis. <i>Kidney International</i> , 2006, 69, 996-1004.	5.2	18
41	Dietary Phosphorus Deprivation Induces 25-Hydroxyvitamin D3 1 α -Hydroxylase Gene Expression. <i>Endocrinology</i> , 2001, 142, 1720-1726.	2.8	14
42	The Cyclin-Dependent Kinase Inhibitor p21 Limits Murine Mesangial Proliferative Glomerulonephritis. <i>Nephron Experimental Nephrology</i> , 2006, 102, e8-e18.	2.2	12
43	Renal amyloidosis caused by apolipoprotein A-II without a genetic mutation in the coding sequence. <i>Clinical and Experimental Nephrology</i> , 2011, 15, 774-779.	1.6	11
44	Intracellular Calcium Concentration in the Inositol Trisphosphate Receptor Type 1 Knockout Mouse. <i>Journal of the American Society of Nephrology: JASN</i> , 1999, 10, 2094-2101.	6.1	11
45	miR-363 induces transdifferentiation of human kidney tubular cells to mesenchymal phenotype. <i>Clinical and Experimental Nephrology</i> , 2016, 20, 394-401.	1.6	9
46	Cell-Specific Expression of the IP ₃ Receptor Gene Family in the Kidney. <i>Nephron Experimental Nephrology</i> , 2000, 8, 215-218.	2.2	6
47	DNA repair factor KAT5 prevents ischemic acute kidney injury through glomerular filtration regulation. <i>IScience</i> , 2021, 24, 103436.	4.1	4
48	A Novel Compound Heterozygous Mutation of Gitelman's Syndrome in Japan, as Diagnosed by an Extraordinary Response of the Fractional Excretion Rate of Chloride in the Trichlormethiazide Loading Test. <i>Internal Medicine</i> , 2012, 51, 1549-1553.	0.7	3
49	Search for genes expressed during progression and recovery in the diseased kidney. <i>Kidney International</i> , 2005, 68, 1969-1970.	5.2	1
50	Short-term experience of immunoadsorption therapy for refractory heart failure due to dilated cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2008, 14, S148.	1.7	1
51	Cardiac-specific autoantibodies as a therapeutic target for refractory heart failure due to dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, S7.	1.9	0
52	Specific Immunoadsorption Therapy Using a New Tryptophan Column in Patients With Refractory Heart Failure Due to Dilated Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2009, 15, S145.	1.7	0
53	Specific Immunoadsorption Therapy Using a New Tryptophan Column for Patients With Advanced Heart Failure Due to Dilated Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2010, 16, S141.	1.7	0
54	Na ⁺ /H ⁺ Exchanger (NHE) 3 Activity and Gene in Spontaneously Hypertensive Rats (SHR). <i>International Heart Journal</i> , 1996, 37, 569-569.	0.6	0