

Isao Matsui

List of Publications by Year in descending order

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74
papers

3,353
citations

136950

32
h-index

149698

56
g-index

75
all docs

75
docs citations

75
times ranked

6870
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy Protects the Proximal Tubule from Degeneration and Acute Ischemic Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 902-913.	6.1	388
2	Autophagy Guards Against Cisplatin-Induced Acute Kidney Injury. <i>American Journal of Pathology</i> , 2012, 180, 517-525.	3.8	215
3	Fetuin-Mineral Complex Reflects Extrasosseous Calcification Stress in CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1998-2007.	6.1	195
4	High-Fat Diet-Induced Lysosomal Dysfunction and Impaired Autophagic Flux Contribute to Lipotoxicity in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1534-1551.	6.1	170
5	The CXCL12 (SDF-1)/CXCR4 Axis Is Essential for the Development of Renal Vasculature. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1714-1723.	6.1	149
6	Fetal cells in mother rats contribute to the remodeling of liver and kidney after injury. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 961-967.	2.1	120
7	Fully phosphorylated fetuin-A forms a mineral complex in the serum of rats with adenine-induced renal failure. <i>Kidney International</i> , 2009, 75, 915-928.	5.2	117
8	Combined Use of Vitamin D Status and FGF23 for Risk Stratification of Renal Outcome. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2012, 7, 810-819.	4.5	110
9	A Randomized Trial of Magnesium Oxide and Oral Carbon Adsorbent for Coronary Artery Calcification in Predialysis CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1073-1085.	6.1	98
10	Autophagy Inhibits the Accumulation of Advanced Glycation End Products by Promoting Lysosomal Biogenesis and Function in the Kidney Proximal Tubules. <i>Diabetes</i> , 2017, 66, 1359-1372.	0.6	97
11	Snail, a transcriptional regulator, represses nephrin expression in glomerular epithelial cells of nephrotic rats. <i>Laboratory Investigation</i> , 2007, 87, 273-283.	3.7	90
12	Time-dependent dysregulation of autophagy: Implications in aging and mitochondrial homeostasis in the kidney proximal tubule. <i>Autophagy</i> , 2016, 12, 801-813.	9.1	85
13	Use of xanthine oxidase inhibitor febuxostat inhibits renal interstitial inflammation and fibrosis in unilateral ureteral obstructive nephropathy. <i>Clinical and Experimental Nephrology</i> , 2012, 16, 549-556.	1.6	84
14	Intact fibroblast growth factor 23 levels predict incident cardiovascular event before but not after the start of dialysis. <i>Bone</i> , 2012, 50, 1266-1274.	2.9	76
15	Proximal Tubule Autophagy Differs in Type 1 and 2 Diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 929-945.	6.1	61
16	The impact of diabetes mellitus on vitamin D metabolism in predialysis patients. <i>Bone</i> , 2009, 45, 949-955.	2.9	56
17	Magnesium modifies the association between serum phosphate and the risk of progression to end-stage kidney disease in patients with non-diabetic chronic kidney disease. <i>Kidney International</i> , 2015, 88, 833-842.	5.2	56
18	Active vitamin D and its analogue, 22-oxacalcitriol, ameliorate puromycin aminonucleoside-induced nephrosis in rats. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 2354-2361.	0.7	53

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19	Cardiac hypertrophy elevates serum levels of fibroblast growth factor 23. <i>Kidney International</i> , 2018, 94, 60-71.	5.2	53
20	Vitamin D Deficiency Predicts Decline in Kidney Allograft Function: A Prospective Cohort Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 527-535.	3.6	52
21	Protein carbamylation exacerbates vascular calcification. <i>Kidney International</i> , 2018, 94, 72-90.	5.2	52
22	Antioxidant role of autophagy in maintaining the integrity of glomerular capillaries. <i>Autophagy</i> , 2018, 14, 53-65.	9.1	49
23	Dietary L-Lysine Prevents Arterial Calcification in Adenine-Induced Uremic Rats. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1954-1965.	6.1	47
24	Autophagic Clearance of Mitochondria in the Kidney Copes with Metabolic Acidosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2254-2266.	6.1	47
25	Lipophagy maintains energy homeostasis in the kidney proximal tubule during prolonged starvation. <i>Autophagy</i> , 2017, 13, 1629-1647.	9.1	47
26	Autophagy protects kidney proximal tubule epithelial cells from mitochondrial metabolic stress. <i>Autophagy</i> , 2013, 9, 1876-1886.	9.1	46
27	Serum 25-hydroxyvitamin D as an independent determinant of 1-84 PTH and bone mineral density in non-diabetic predialysis CKD patients. <i>Bone</i> , 2009, 44, 678-683.	2.9	43
28	Association between Density of Coronary Artery Calcification and Serum Magnesium Levels among Patients with Chronic Kidney Disease. <i>PLoS ONE</i> , 2016, 11, e0163673.	2.5	42
29	Eicosapentaenoic acid attenuates renal lipotoxicity by restoring autophagic flux. <i>Autophagy</i> , 2021, 17, 1700-1713.	9.1	38
30	Maxacalcitol ameliorates tubulointerstitial fibrosis in obstructed kidneys by recruiting PPM1A/VDR complex to pSmad3. <i>Laboratory Investigation</i> , 2012, 92, 1686-1697.	3.7	37
31	Proteinuria-associated renal magnesium wasting leads to hypomagnesemia: a common electrolyte abnormality in chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, 1154-1162.	0.7	36
32	Lithocholic acid increases intestinal phosphate and calcium absorption in a vitamin D receptor dependent but transcellular pathway independent manner. <i>Kidney International</i> , 2020, 97, 1164-1180.	5.2	34
33	Retention of fetuin-A in renal tubular lumen protects the kidney from nephrocalcinosis in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F751-F760.	2.7	32
34	Anion Gap as a Determinant of Ionized Fraction of Divalent Cations in Hemodialysis Patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2018, 13, 274-281.	4.5	28
35	Excess 25-hydroxyvitamin D3 exacerbates tubulointerstitial injury in mice by modulating macrophage phenotype. <i>Kidney International</i> , 2015, 88, 1013-1029.	5.2	25
36	Hidden Hypocalcemia as a Risk Factor for Cardiovascular Events and All-Cause Mortality among Patients Undergoing Incident Hemodialysis. <i>Scientific Reports</i> , 2020, 10, 4418.	3.3	25

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37	Tranexamic acid-induced visual impairment in a hemodialysis patient. <i>Clinical and Experimental Nephrology</i> , 2003, 7, 311-314.	1.6	22
38	Dialysis vintage and parathyroid hormone level, not fibroblast growth factor-23, determines chronic-phase phosphate wasting after renal transplantation. <i>Bone</i> , 2012, 51, 729-736.	2.9	21
39	Prognostic value of hypochloremia versus hyponatremia among patients with chronic kidney disease—a retrospective cohort study. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, 987-994.	0.7	21
40	Fibroblast growth factor 23 and 25-hydroxyvitamin D levels are associated with estimated glomerular filtration rate decline. <i>Kidney International Supplements</i> , 2013, 3, 469-475.	14.2	20
41	VEGF-A Links Angiolymphoid Hyperplasia With Eosinophilia (ALHE) to THSD7A Membranous Nephropathy: A Report of 2 Cases. <i>American Journal of Kidney Diseases</i> , 2019, 73, 880-885.	1.9	20
42	Metabolic effects of RUBCN/Rubicon deficiency in kidney proximal tubular epithelial cells. <i>Autophagy</i> , 2020, 16, 1889-1904.	9.1	20
43	Towards developing new strategies to reduce the adverse side-effects of nonsteroidal anti-inflammatory drugs. <i>Clinical and Experimental Nephrology</i> , 2012, 16, 25-29.	1.6	19
44	Low magnesium diet aggravates phosphate-induced kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, 1310-1319.	0.7	19
45	Negative effects of anemia on quality of life and its improvement by complete correction of anemia by administration of recombinant human erythropoietin in posttransplant patients. <i>Clinical and Experimental Nephrology</i> , 2009, 13, 355-360.	1.6	18
46	Urinary Type IV Collagen in Nondiabetic Kidney Disease. <i>Nephron Clinical Practice</i> , 2011, 117, c160-c166.	2.3	18
47	Orally Active Vitamin D for Potential Chemoprevention of Posttransplant Malignancy. <i>Cancer Prevention Research</i> , 2012, 5, 1229-1235.	1.5	17
48	Usefulness of bone resorption markers in hemodialysis patients. <i>Bone</i> , 2009, 45, S19-S25.	2.9	16
49	Multidetector-row computed tomography is useful to evaluate the therapeutic effects of bisphosphonates in glucocorticoid-induced osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2014, 32, 271-280.	2.7	16
50	Red cell distribution width and renal outcome in patients with non-dialysis-dependent chronic kidney disease. <i>PLoS ONE</i> , 2018, 13, e0198825.	2.5	16
51	Guideline—Practice Gap in the Management of Predialysis Chronic Kidney Disease Mineral Bone Disorder in Japan. <i>Therapeutic Apheresis and Dialysis</i> , 2011, 15, 2-8.	0.9	13
52	Azilsartan Improves Salt Sensitivity by Modulating the Proximal Tubular Na ⁺ -H ⁺ Exchanger-3 in Mice. <i>PLoS ONE</i> , 2016, 11, e0147786.	2.5	13
53	Early Plasma Exchange for Progressive Liver Failure in Recipients of Adult-to-Adult Living-Related Liver Transplants. <i>Blood Purification</i> , 2009, 28, 40-46.	1.8	11
54	Autophagy protects kidney from phosphate-induced mitochondrial injury. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 636-642.	2.1	10

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55	Pharmacokinetics of olmesartan medoxomil in hemodialysis patients: little effect of dialysis upon its pharmacokinetics. <i>Clinical and Experimental Nephrology</i> , 2009, 13, 61-65.	1.6	9
56	Specialist care and improved long-term survival of dialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 1930-1935.	0.7	9
57	A Superagonistic Monoclonal Antibody for CD28 Ameliorates Crescentic Glomerulonephritis in Wistar-Kyoto Rats. <i>Molecular Medicine</i> , 2011, 17, 686-696.	4.4	8
58	Single cell RNA sequencing uncovers cellular developmental sequences and novel potential intercellular communications in embryonic kidney. <i>Scientific Reports</i> , 2021, 11, 73.	3.3	8
59	Quantitative Analyses of Foot Processes, Mitochondria, and Basement Membranes by Structured Illumination. <i>Kidney International Reports</i> , 2021, 6, 1923-1938.	0.8	7
60	Effects of nicorandil on the reduction of BNP levels in patients with chronic kidney disease. <i>Clinical and Experimental Nephrology</i> , 2011, 15, 854-860.	1.6	6
61	Severe Osteomalacia with Dent Disease Caused by a Novel Intronic Mutation of the <i>CLCN5</i> gene. <i>Internal Medicine</i> , 2018, 57, 3603-3610.	0.7	5
62	Serum phosphate levels modify the impact of parathyroid hormone levels on renal outcomes in kidney transplant recipients. <i>Scientific Reports</i> , 2020, 10, 13766.	3.3	5
63	Maxacalcitol (22-Oxacalcitriol (OCT)) Retards Progression of Left Ventricular Hypertrophy with Renal Dysfunction Through Inhibition of Calcineurin-NFAT Activity. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 381-397.	2.6	5
64	Electrocardiogram findings at the initiation of hemodialysis and types of subsequent cardiovascular events. <i>Hypertension Research</i> , 2021, 44, 571-580.	2.7	4
65	Exercise-induced hypercalcemia and vasopressin-mediated bone resorption. <i>Osteoporosis International</i> , 2021, 32, 2533-2541.	3.1	4
66	Recurrent membranous nephropathy with a possible alteration in the etiology: a case report. <i>BMC Nephrology</i> , 2021, 22, 253.	1.8	4
67	Skipping Breakfast and Incidence of Frequent Alcohol Drinking in University Students in Japan: A Retrospective Cohort Study. <i>Nutrients</i> , 2022, 14, 2657.	4.1	4
68	Response to "Mineral complexes and vascular calcification". <i>Kidney International</i> , 2009, 76, 915-916.	5.2	3
69	Renal involvement in the pathogenesis of mineral and bone disorder in dystrophin-deficient mdx mouse. <i>Journal of Physiological Sciences</i> , 2019, 69, 661-671.	2.1	3
70	Reply to "FGF23 adds value to risk prediction in patients with chronic kidney disease". <i>Bone</i> , 2012, 51, 832-833.	2.9	2
71	An unusual case of acute kidney injury after Colonoscopy. <i>Kidney International</i> , 2016, 90, 711.	5.2	2
72	Dietary casein, egg albumin, and branched-chain amino acids attenuate phosphate-induced renal tubulointerstitial injury in rats. <i>Scientific Reports</i> , 2020, 10, 19038.	3.3	2

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73	The Authors Reply. <i>Kidney International</i> , 2017, 91, 989-990.	5.2	0
74	“Pseudo-empty pelvis” in a pre-dialysis patient. <i>Peritoneal Dialysis International</i> , 2020, 40, 431-432.	2.3	0