Reiko Inagi

List of Publications by Year
in descending order

87 papers	5,101 citations	70961 41 h-index	91712 69 g-index
87 all docs	87 docs citations	87 times ranked	5874 citing authors

#	Article	IF	Citations
1	Lysophosphatidylcholine mediates fast decline in kidney function in diabetic kidney disease. Kidney International, 2022, 101, 510-526.	2.6	36
2	Activation of Î±7 nicotinic acetylcholine receptors attenuates monocyteâ€"endothelial adhesion through FUT7 inhibition. Biochemical and Biophysical Research Communications, 2022, 590, 89-96.	1.0	4
3	Organelle Stress and Metabolic Derangement in Kidney Disease. International Journal of Molecular Sciences, 2022, 23, 1723.	1.8	6
4	Organelle stress and glycation in kidney disease. Glycoconjugate Journal, 2021, 38, 341-346.	1.4	4
5	Activation of Sympathetic Signaling in Macrophages Blocks Systemic Inflammation and Protects against Renal Ischemia-Reperfusion Injury. Journal of the American Society of Nephrology: JASN, 2021, 32, 1599-1615.	3.0	17
6	Î²2-adrenergic receptor agonist counteracts skeletal muscle atrophy and oxidative stress in uremic mice. Scientific Reports, 2021, 11, 9130.	1.6	9
7	Harnessing Metabolomics to Describe the Pathophysiology Underlying Progression in Diabetic Kidney Disease. Current Diabetes Reports, 2021, 21, 21.	1.7	10
8	Metabolic Changes and Oxidative Stress in Diabetic Kidney Disease. Antioxidants, 2021, 10, 1143.	2.2	27
9	Decreased IFT88 expression with primary cilia shortening causes mitochondrial dysfunction in cisplatin-induced tubular injury. American Journal of Physiology - Renal Physiology, 2021, 321, F278-F292.	1.3	11
10	The subtle long-lasting burden of mitochondrial DNA variants. Nature Reviews Nephrology, 2021, , .	4.1	1
11	Mitochondrial Dysfunction in Kidney Disease and Uremic Sarcopenia. Frontiers in Physiology, 2020, 11, 565023.	1.3	32
12	Intracellular calcium response of primary cilia of tubular cells to modulated shear stress under oxidative stress. Biomicrofluidics, 2020, 14, 044102.	1.2	5
13	The Implication of Organelle Cross Talk in AKI. Nephron, 2020, 144, 634-637.	0.9	4
14	Organelle Stress and Crosstalk in Kidney Disease. Kidney360, 2020, 1, 1157-1164.	0.9	13
15	Prolyl Hydroxylase Domain Inhibitor Protects against Metabolic Disorders and Associated Kidney Disease in Obese Type 2 Diabetic Mice. Journal of the American Society of Nephrology: JASN, 2020, 31, 560-577.	3.0	72
16	Uremic Sarcopenia: Clinical Evidence and Basic Experimental Approach. Nutrients, 2020, 12, 1814.	1.7	28
17	Vagus nerve stimulation even after injury ameliorates cisplatin-induced nephropathy via reducing macrophage infiltration. Scientific Reports, 2020, 10, 9472.	1.6	12
18	D-serine as a Novel Uremic Toxin. , 2020, , 115-129.		0

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19	Lipotoxicity in Kidney, Heart, and Skeletal Muscle Dysfunction. Nutrients, 2019, 11, 1664.	1.7	96
20	Mitochondrial Damage Causes Inflammation via cGAS-STING Signaling in Acute Kidney Injury. Cell Reports, 2019, 29, 1261-1273.e6.	2.9	302
21	Non-canonical cholinergic anti-inflammatory pathway-mediated activation of peritoneal macrophages induces Hes1 and blocks ischemia/reperfusion injury in the kidney. Kidney International, 2019, 95, 563-576.	2.6	37
22	SMPDL3b modulates insulin receptor signaling in diabetic kidney disease. Nature Communications, 2019, 10, 2692.	5.8	66
23	Organelle crosstalk in the kidney. Kidney International, 2019, 95, 1318-1325.	2.6	53
24	Pathophysiological Role of Organelle Stress/Crosstalk in AKI-to-CKD Transition. Seminars in Nephrology, 2019, 39, 581-588.	0.6	26
25	ATF6Î± downregulation of PPARÎ± promotes lipotoxicity-induced tubulointerstitial fibrosis. Kidney International, 2019, 95, 577-589.	2.6	86
26	ATP-binding cassette A1 deficiency causes cardiolipin-driven mitochondrial dysfunction in podocytes. Journal of Clinical Investigation, 2019, 129, 3387-3400.	3.9	103
27	Neuroimmune interactions and kidney disease. Kidney Research and Clinical Practice, 2019, 38, 282-294.	0.9	9
28	A simple and effective preparation of quercetin pentamethyl ether from quercetin. Beilstein Journal of Organic Chemistry, 2018, 14, 3112-3121.	1.3	5
29	Physiological and pathophysiological role of reactive oxygen species and reactive nitrogen species in the kidney. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 1097-1105.	0.9	48
30	Sodiumâ€“glucose cotransporter 2 inhibition normalizes glucose metabolism and suppresses oxidative stress in the kidneys of diabetic mice. Kidney International, 2018, 94, 912-925.	2.6	123
31	Palmitate deranges erythropoietin production via transcription factor ATF4 activation of unfolded protein response. Kidney International, 2018, 94, 536-550.	2.6	30
32	Pathophysiology and therapeutics of premature ageing in chronic kidney disease, with a focus on glycative stress. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 70-77.	0.9	10
33	Dual Regulation of Gluconeogenesis by Insulin and Glucose in the Proximal Tubules of the Kidney. Diabetes, 2017, 66, 2339-2350.	0.3	61
34	Vascular adhesion protein-1 enhances neutrophil infiltration by generation of hydrogen peroxide in renal ischemia/reperfusion injury. Kidney International, 2017, 92, 154-164.	2.6	37
35	Effect of AST-120 in Chronic Kidney Disease Treatment: Still a Controversy?. Nephron, 2017, 135, 201-206.	0.9	41
36	Mitochondrial Abnormality Facilitates Cyst Formation in Autosomal Dominant Polycystic Kidney Disease. Molecular and Cellular Biology, 2017, 37, .	1.1	98

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37	Foreseeing the future of glomerular disease through slits: miR-NPNT axis. Kidney International, 2017, 92, 782-784.	2.6	7
38	D-serine, a novel uremic toxin, induces senescence in human renal tubular cells via GCN2 activation. Scientific Reports, 2017, 7, 11168.	1.6	38
39	Stress Signal Network between Hypoxia and ER Stress in Chronic Kidney Disease. Frontiers in Physiology, 2017, 8, 74.	1.3	54
40	Dietary Metabolites and Chronic Kidney Disease. Nutrients, 2017, 9, 358.	1.7	32
41	Glycative Stress and Its Defense Machinery Glyoxalase 1 in Renal Pathogenesis. International Journal of Molecular Sciences, 2017, 18, 174.	1.8	14
42	RAGE and glyoxalase in kidney disease. Glycoconjugate Journal, 2016, 33, 619-626.	1.4	26
43	Mitochondria: a therapeutic target in acute kidney injury. Nephrology Dialysis Transplantation, 2016, 31, 1062-1069.	0.4	152
44	Epigenetic Regulation Through SIRT1 in Podocytes. Current Hypertension Reviews, 2016, 12, 89-94.	0.5	30
45	Adenosine A₂a receptor stimulation prevents proteinuria in diabetic rats by promoting an anti-inflammatory phenotype without affecting oxidative stress. Acta Physiologica, 2015, 214, 311-318.	1.8	25
46	The gutâ€“kidney connection in advanced chronic kidney disease. Kidney Research and Clinical Practice, 2015, 34, 191-193.	0.9	6
47	Sirtuin1 Maintains Actin Cytoskeleton by Deacetylation of Cortactin in Injured Podocytes. Journal of the American Society of Nephrology: JASN, 2015, 26, 1939-1959.	3.0	56
48	Glycative stress and glyoxalase in kidney disease and aging. Biochemical Society Transactions, 2014, 42, 457-460.	1.6	20
49	<scp>G</scp>lyoxalase <scp>I</scp> reduces glycative and oxidative stress and prevents ageâ€related endothelial dysfunction through modulation of endothelial nitric oxide synthase phosphorylation. Aging Cell, 2014, 13, 519-528.	3.0	56
50	Proteostasis in endoplasmic reticulumâ€"new mechanisms in kidney disease. Nature Reviews Nephrology, 2014, 10, 369-378.	4.1	170
51	Endoplasmic reticulum stress signal impairs erythropoietin production: a role for ATF4. American Journal of Physiology - Cell Physiology, 2013, 304, C342-C353.	2.1	39
52	Oxidative and Endoplasmic Reticulum (ER) Stress in Tissue Fibrosis. Current Pathobiology Reports, 2013, 1, 283-289.	1.6	4
53	Downregulation of miR-205 Modulates Cell Susceptibility to Oxidative and Endoplasmic Reticulum Stresses in Renal Tubular Cells. PLoS ONE, 2012, 7, e41462.	1.1	99
54	Cytoglobin, a Novel Member of the Globin Family, Protects Kidney Fibroblasts against Oxidative Stress under Ischemic Conditions. American Journal of Pathology, 2011, 178, 128-139.	1.9	50

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55	Glyoxalase I Retards Renal Senescence. American Journal of Pathology, 2011, 179, 2810-2821.	1.9	41
56	Endoplasmic Reticulum Stress as a Target of Therapy Against Oxidative Stress and Hypoxia. , 2011, , 657-672.		3
57	Indoxyl sulfate, a representative uremic toxin, suppresses erythropoietin production in a HIF-dependent manner. Laboratory Investigation, 2011, 91, 1564-1571.	1.7	132
58	Inhibitors of Advanced Glycation and Endoplasmic Reticulum Stress. Methods in Enzymology, 2011, 491, 361-380.	0.4	44
59	Indoxyl sulfate inhibits proliferation of human proximal tubular cells via endoplasmic reticulum stress. American Journal of Physiology - Renal Physiology, 2010, 299, F568-F576.	1.3	75
60	Cytoglobin, a novel globin, plays an antifibrotic role in the kidney. American Journal of Physiology - Renal Physiology, 2010, 299, F1120-F1133.	1.3	42
61	Endoplasmic reticulum stress as a progression factor for kidney injury. Current Opinion in Pharmacology, 2010, 10, 156-165.	1.7	158
62	Glomerular diseases: genetic causes and future therapeutics. Nature Reviews Nephrology, 2010, 6, 539-554.	4.1	49
63	The Role of Glyoxalase System in Renal Hypoxia. Advances in Experimental Medicine and Biology, 2010, 662, 49-55.	0.8	16
64	Endoplasmic reticulum stress induces autophagy in renal proximal tubular cells. Nephrology Dialysis Transplantation, 2009, 24, 2665-2672.	0.4	92
65	Glyoxalase I overexpression ameliorates renal ischemia-reperfusion injury in rats. American Journal of Physiology - Renal Physiology, 2009, 296, F912-F921.	1.3	81
66	Endoplasmic Reticulum Stress in the Kidney as a Novel Mediator of Kidney Injury. Nephron Experimental Nephrology, 2009, 112, e1-e9.	2.4	162
67	Hypoxia and Hypoxia-Inducible Factor in Renal Disease. Nephron Experimental Nephrology, 2008, 110, e1-e7.	2.4	79
68	Chronic hypoxia aggravates renal injury via suppression of Cu/Zn-SOD: a proteomic analysis. American Journal of Physiology - Renal Physiology, 2008, 294, F62-F72.	1.3	37
69	Preconditioning with Endoplasmic Reticulum Stress Ameliorates Mesangioproliferative Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2008, 19, 915-922.	3.0	99
70	Protective Role of Hypoxia-Inducible Factor-2Î± against Ischemic Damage and Oxidative Stress in the Kidney. Journal of the American Society of Nephrology: JASN, 2007, 18, 1218-1226.	3.0	119
71	Albumin induces endoplasmic reticulum stress and apoptosis in renal proximal tubular cells. Kidney International, 2006, 70, 1447-1455.	2.6	174
72	Hypoxia and Expression of Hypoxia-Inducible Factor in the Aging Kidney. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 795-805.	1.7	88

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73	A Severe Diabetic Nephropathy Model With Early Development of Nodule-Like Lesions Induced by Megsin Overexpression in RAGE/iNOS Transgenic Mice. Diabetes, 2006, 55, 356-366.	0.3	83
74	Improvement of the Metabolic Syndrome and Renal Injury by Low-Calorie Diet Is Associated with Renal AGE Reduction in Rat Type 2 Diabetic Nephropathy. Annals of the New York Academy of Sciences, 2005, 1043, 915-915.	1.8	0
75	In Vitroandin VivoEvidence for the AGE- Inhibitory Property of Antihypertensive Agents. Annals of the New York Academy of Sciences, 2005, 1043, 943-943.	1.8	0
76	Involvement of endoplasmic reticulum (ER) stress in podocyte injury induced by excessive protein accumulation. Kidney International, 2005, 68, 2639-2650.	2.6	96
77	Induction of protective genes by cobalt ameliorates tubulointerstitial injury in the progressive Thy1 nephritis. Kidney International, 2005, 68, 2714-2725.	2.6	110
78	Novel Serpinopathy in Rat Kidney and Pancreas Induced by Overexpression of Megsin. Journal of the American Society of Nephrology: JASN, 2005, 16, 1339-1349.	3.0	28
79	In a type 2 diabetic nephropathy rat model, the improvement of obesity by a low calorie diet reduces oxidative/carbonyl stress and prevents diabetic nephropathy. Nephrology Dialysis Transplantation, 2005, 20, 2661-2669.	0.4	70
80	Protection of Endothelial Cells by Dextran Sulfate in Rats with Thrombotic Microangiopathy. Journal of the American Society of Nephrology: JASN, 2005, 16, 2997-3005.	3.0	14
81	Hypoperfusion of Peritubular Capillaries Induces Chronic Hypoxia before Progression of Tubulointerstitial Injury in a Progressive Model of Rat Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2004, 15, 1574-1581.	3.0	147
82	Hypoxia-induced apoptosis in cultured glomerular endothelial cells: Involvement of mitochondrial pathways. Kidney International, 2003, 64, 2020-2032.	2.6	61
83	Anti-Hypertensive Agents Inhibit In Vivo the Formation of Advanced Glycation End Products and Improve Renal Damage in a Type 2 Diabetic Nephropathy Rat Model. Journal of the American Society of Nephrology: JASN, 2003, 14, 1212-1222.	3.0	165
84	Angiotensin II Receptor Antagonists and Angiotensin-Converting Enzyme Inhibitors Lower In Vitro the Formation of Advanced Glycation End Products: Biochemical Mechanisms. Journal of the American Society of Nephrology: JASN, 2002, 13, 2478-2487.	3.0	290
85	Efficient in vitro lowering of carbonyl stress by the glyoxalase system in conventional glucose peritoneal dialysis fluid. Kidney International, 2002, 62, 679-687.	2.6	34
86	Glyoxalase I deficiency is associated with an unusual level of advanced glycation end products in a hemodialysis patient. Kidney International, 2001, 60, 2351-2359.	2.6	91
87	Cloning and Characterization of a Novel Subunit of Protein Serine/Threonine Phosphatase 4 from Mesangial Cells. Journal of the American Society of Nephrology: JASN, 2001, 12, 2601-2608.	3.0	21