Joseph V Bonventre

List of Publications by Year
in descending order

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269 papers	42,373 citations	2795 94 h-index	2274 200 g-index
281 all docs	281 docs citations	281 times ranked	33249 citing authors

#	Article	IF	Citations
1	Acute Kidney Injury, Mortality, Length of Stay, and Costs in Hospitalized Patients. Journal of the American Society of Nephrology: JASN, 2005, 16, 3365-3370.	3.0	2,887
2	Acute Renal Failure. New England Journal of Medicine, 1996, 334, 1448-1460.	13.9	1,545
3	Cellular pathophysiology of ischemic acute kidney injury. Journal of Clinical Investigation, 2011, 121, 4210-4221.	3.9	1,504
4	Kidney Injury Molecule-1 (KIM-1): A novel biomarker for human renal proximal tubule injury. Kidney International, 2002, 62, 237-244.	2.6	1,488
5	Fate Tracing Reveals the Pericyte and Not Epithelial Origin of Myofibroblasts in Kidney Fibrosis. American Journal of Pathology, 2010, 176, 85-97.	1.9	1,281
6	Epithelial cell cycle arrest in G2/M mediates kidney fibrosis after injury. Nature Medicine, 2010, 16, 535-543.	15.2	1,049
7	Kidney Injury Molecule-1 (KIM-1), a Putative Epithelial Cell Adhesion Molecule Containing a Novel Immunoglobulin Domain, Is Up-regulated in Renal Cells after Injury. Journal of Biological Chemistry, 1998, 273, 4135-4142.	1.6	1,044
8	Biomarkers of Acute Kidney Injury. Annual Review of Pharmacology and Toxicology, 2008, 48, 463-493.	4.2	925
9	Reduced fertility and postischaemic brain injury in mice deficient in cytosolic phospholipase A2. Nature, 1997, 390, 622-625.	13.7	830
10	Intrinsic Epithelial Cells Repair the Kidney after Injury. Cell Stem Cell, 2008, 2, 284-291.	5.2	752
11	Nephron organoids derived from human pluripotent stem cells model kidney development and injury. Nature Biotechnology, 2015, 33, 1193-1200.	9.4	694
12	Ischemic acute renal failure: An inflammatory disease?. Kidney International, 2004, 66, 480-485.	2.6	678
13	Recent Advances in the Pathophysiology of Ischemic Acute Renal Failure. Journal of the American Society of Nephrology: JASN, 2003, 14, 2199-2210.	3.0	671
14	Global kidney health 2017 and beyond: a roadmap for closing gaps in care, research, and policy. Lancet, The, 2017, 390, 1888-1917.	6.3	662
15	Kidney injury moleculeâ€“1 is a phosphatidylserine receptor that confers a phagocytic phenotype on epithelial cells. Journal of Clinical Investigation, 2008, 118, 1657-1668.	3.9	613
16	Mechanisms of maladaptive repair after AKI leading to accelerated kidney ageing and CKD. Nature Reviews Nephrology, 2015, 11, 264-276.	4.1	574
17	Kidney injury molecule-1: a tissue and urinary biomarker for nephrotoxicant-induced renal injury. American Journal of Physiology - Renal Physiology, 2004, 286, F552-F563.	1.3	572
18	Modelling kidney disease with CRISPR-mutant kidney organoids derived from human pluripotent epiblast spheroids. Nature Communications, 2015, 6, 8715.	5.8	571

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19	Flow-enhanced vascularization and maturation of kidney organoids in vitro. Nature Methods, 2019, 16, 255-262.	9.0	559
20	Kidney injury molecule-1 outperforms traditional biomarkers of kidney injury in preclinical biomarker qualification studies. Nature Biotechnology, 2010, 28, 478-485.	9.4	552
21	Urinary kidney injury molecule-1: a sensitive quantitative biomarker for early detection of kidney tubular injury. American Journal of Physiology - Renal Physiology, 2006, 290, F517-F529.	1.3	551
22	Acute Kidney Injury. Annual Review of Medicine, 2016, 67, 293-307.	5.0	537
23	Restoration of tubular epithelial cells during repair of the postischemic kidney occurs independently of bone marrow-derived stem cells. Journal of Clinical Investigation, 2005, 115, 1743-1755.	3.9	531
24	Creatinine Kinetics and the Definition of Acute Kidney Injury. Journal of the American Society of Nephrology: JASN, 2009, 20, 672-679.	3.0	531
25	Dedifferentiation and Proliferation of Surviving Epithelial Cells in Acute Renal Failure. Journal of the American Society of Nephrology: JASN, 2003, 14, S55-S61.	3.0	519
26	Urinary N-Acetyl-Î²-(D)-Glucosaminidase Activity and Kidney Injury Molecule-1 Level Are Associated with Adverse Outcomes in Acute Renal Failure. Journal of the American Society of Nephrology: JASN, 2007, 18, 904-912.	3.0	467
27	Mechanisms of ischemic acute renal failure. Kidney International, 1993, 43, 1160-1178.	2.6	462
28	Next-generation biomarkers for detecting kidney toxicity. Nature Biotechnology, 2010, 28, 436-440.	9.4	454
29	Targeted proximal tubule injury triggers interstitial fibrosis and glomerulosclerosis. Kidney International, 2012, 82, 172-183.	2.6	389
30	Progression after AKI. Journal of the American Society of Nephrology: JASN, 2016, 27, 687-697.	3.0	351
31	Kidney injury molecule-1 (KIM-1): a urinary biomarker and much more. Nephrology Dialysis Transplantation, 2009, 24, 3265-3268.	0.4	348
32	Normalization of urinary biomarkers to creatinine during changes in glomerular filtration rate. Kidney International, 2010, 78, 486-494.	2.6	345
33	Blood Kidney Injury Molecule-1 Is a Biomarker of Acute and Chronic Kidney Injury and Predicts Progression to ESRD in Type I Diabetes. Journal of the American Society of Nephrology: JASN, 2014, 25, 2177-2186.	3.0	341
34	Resolvin D Series and Protectin D1 Mitigate Acute Kidney Injury. Journal of Immunology, 2006, 177, 5902-5911.	0.4	322
35	Repair of injured proximal tubule does not involve specialized progenitors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9226-9231.	3.3	316
36	Prediction of DNA Repair Inhibitor Response in Short-Term Patient-Derived Ovarian Cancer Organoids. Cancer Discovery, 2018, 8, 1404-1421.	7.7	311

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37	Mesenchymal Stem Cells in Acute Kidney Injury. Annual Review of Medicine, 2008, 59, 311-325.	5.0	301
38	Prevention of Kidney Ischemia/Reperfusion-induced Functional Injury and JNK, p38, and MAPK Kinase Activation by Remote Ischemic Pretreatment. Journal of Biological Chemistry, 2001, 276, 11870-11876.	1.6	300
39	Pediatric Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): Clinical Presentation, Infectivity, and Immune Responses. Journal of Pediatrics, 2020, 227, 45-52.e5.	0.9	288
40	Urinary Biomarkers for Sensitive and Specific Detection of Acute Kidney Injury in Humans. Clinical and Translational Science, 2008, 1, 200-208.	1.5	286
41	Chronic epithelial kidney injury molecule-1 expression causes murine kidney fibrosis. Journal of Clinical Investigation, 2013, 123, 4023-4035.	3.9	281
42	Shedding of Kidney Injury Molecule-1, a Putative Adhesion Protein Involved in Renal Regeneration. Journal of Biological Chemistry, 2002, 277, 39739-39748.	1.6	279
43	Biomarkers of nephrotoxic acute kidney injury. Toxicology, 2008, 245, 182-193.	2.0	259
44	Acute and long-term disruption of glycometabolic control after SARS-CoV-2 infection. Nature Metabolism, 2021, 3, 774-785.	5.1	259
45	KIM-1â€“mediated phagocytosis reduces acute injury to the kidney. Journal of Clinical Investigation, 2015, 125, 1620-1636.	3.9	259
46	Cell biology and molecular mechanisms of injury in ischemic acute renal failure. Current Opinion in Nephrology and Hypertension, 2000, 9, 427-434.	1.0	255
47	Comparison of Kidney Injury Molecule-1 and Other Nephrotoxicity Biomarkers in Urine and Kidney Following Acute Exposure to Gentamicin, Mercury, and Chromium. Toxicological Sciences, 2008, 101, 159-170.	1.4	251
48	Imperfect Gold Standards for Kidney Injury Biomarker Evaluation. Journal of the American Society of Nephrology: JASN, 2012, 23, 13-21.	3.0	240
49	Worsening Renal Function in Patients With Acute Heart Failure Undergoing Aggressive Diuresis Is Not Associated With Tubular Injury. Circulation, 2018, 137, 2016-2028.	1.6	239
50	Cytosolic phospholipase A2Î± is crucial for â€˜on-timeâ€™ embryo implantation that directs subsequent development. Development (Cambridge), 2002, 129, 2879-2889.	1.2	223
51	Comparative analysis of urinary biomarkers for early detection of acute kidney injury following cardiopulmonary bypass. Biomarkers, 2009, 14, 423-431.	0.9	217
52	Amine-modified single-walled carbon nanotubes protect neurons from injury in a rat stroke model. Nature Nanotechnology, 2011, 6, 121-125.	15.6	207
53	Regression of microalbuminuria in type 1 diabetes is associated with lower levels of urinary tubular injury biomarkers, kidney injury molecule-1, and N-acetyl-Î²-D-glucosaminidase. Kidney International, 2011, 79, 464-470.	2.6	202
54	Sitagliptin Treatment at the Time of Hospitalization Was Associated With Reduced Mortality in Patients With Type 2 Diabetes and COVID-19: A Multicenter, Case-Control, Retrospective, Observational Study. Diabetes Care, 2020, 43, 2999-3006.	4.3	201

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55	Protection of Renal Epithelial Cells against Oxidative Injury by Endoplasmic Reticulum Stress Preconditioning Is Mediated by ERK1/2 Activation. Journal of Biological Chemistry, 2003, 278, 29317-29326.	1.6	187
56	Inducible Nitric-oxide Synthase Is an Important Contributor to Prolonged Protective Effects of Ischemic Preconditioning in the Mouse Kidney. Journal of Biological Chemistry, 2003, 278, 27256-27266.	1.6	186
57	Renal injury is a third hit promoting rapid development of adult polycystic kidney disease. Human Molecular Genetics, 2009, 18, 2523-2531.	1.4	183
58	Uremic solutes and risk of end-stage renal disease in type 2 diabetes: metabolomic study. Kidney International, 2014, 85, 1214-1224.	2.6	182
59	Biologic markers for the early detection of acute kidney injury. Current Opinion in Critical Care, 2004, 10, 476-482.	1.6	181
60	Tubular damage in chronic systolic heart failure is associated with reduced survival independent of glomerular filtration rate. Heart, 2010, 96, 1297-1302.	1.2	179
61	Kidney tubular epithelium is restored without replacement with bone marrowâ€“derived cells during repair after ischemic injury. Kidney International, 2005, 68, 1956-1961.	2.6	177
62	Acute renal failure in zebrafish: a novel system to study a complex disease. American Journal of Physiology - Renal Physiology, 2005, 288, F923-F929.	1.3	174
63	Can We Target Tubular Damage to Prevent Renal Function Decline in Diabetes?. Seminars in Nephrology, 2012, 32, 452-462.	0.6	174
64	Human Kidney Injury Molecule-1 Is a Tissue and Urinary Tumor Marker of Renal Cell Carcinoma. Journal of the American Society of Nephrology: JASN, 2005, 16, 1126-1134.	3.0	166
65	Cellular Senescence in the Kidney. Journal of the American Society of Nephrology: JASN, 2019, 30, 726-736.	3.0	164
66	Kidney ischemic preconditioning. Current Opinion in Nephrology and Hypertension, 2002, 11, 43-48.	1.0	162
67	Generation of nephron progenitor cells and kidney organoids from human pluripotent stem cells. Nature Protocols, 2017, 12, 195-207.	5.5	160
68	Stress-Activated Protein Kinases in Cardiovascular Disease. Circulation Research, 1996, 78, 947-953.	2.0	160
69	Tubular kidney injury molecule-1 in protein-overload nephropathy. American Journal of Physiology - Renal Physiology, 2006, 291, F456-F464.	1.3	157
70	Cell cycle arrest and the evolution of chronic kidney disease from acute kidney injury. Nephrology Dialysis Transplantation, 2015, 30, 575-583.	0.4	156
71	High Urinary Excretion of Kidney Injury Molecule-1 Is an Independent Predictor of Graft Loss in Renal Transplant Recipients. Transplantation, 2007, 84, 1625-1630.	0.5	155
72	Interleukin-1Î² Activates a MYC-Dependent Metabolic Switch in Kidney Stromal Cells Necessary for Progressive Tubulointerstitial Fibrosis. Journal of the American Society of Nephrology: JASN, 2018, 29, 1690-1705.	3.0	152

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73	Prevention of Kidney Ischemia/Reperfusion-induced Functional Injury, MAPK and MAPK Kinase Activation, and Inflammation by Remote Transient Ureteral Obstruction. Journal of Biological Chemistry, 2002, 277, 2040-2049.	1.6	150
74	Urinary liver-type fatty acid-binding protein predicts adverse outcomes in acute kidney injury. Kidney International, 2010, 77, 708-714.	2.6	144
75	Specific physiological roles of cytosolic phospholipase A2 as defined by gene knockouts. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1488, 139-148.	1.2	142
76	Cross-talk between Cytosolic Phospholipase A2Î± (cPLA2Î±) and Secretory Phospholipase A2 (sPLA2) in Hydrogen Peroxide-induced Arachidonic Acid Release in Murine Mesangial Cells. Journal of Biological Chemistry, 2003, 278, 24153-24163.	1.6	138
77	Polarity, integrin, and extracellular matrix dynamics in the postischemic rat kidney. American Journal of Physiology - Cell Physiology, 1998, 275, C711-C731.	2.1	137
78	Kidney Injury Moleculeâ€1 (KIMâ€1): A specific and sensitive biomarker of kidney injury. Scandinavian Journal of Clinical and Laboratory Investigation, 2008, 68, 78-83.	0.6	134
79	HIF in Kidney Disease and Development. Journal of the American Society of Nephrology: JASN, 2009, 20, 1877-1887.	3.0	133
80	Cytosolic Phospholipase A2 (PLA2), but Not Secretory PLA2, Potentiates Hydrogen Peroxide Cytotoxicity in Kidney Epithelial Cells. Journal of Biological Chemistry, 1996, 271, 21505-21513.	1.6	126
81	Defect in regulatory B-cell function and development of systemic autoimmunity in T-cell Ig mucin 1 (Tim-1) mucin domain-mutant mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12105-12110.	3.3	125
82	Acute Kidney Injury and Progression of Diabetic Kidney Disease. Advances in Chronic Kidney Disease, 2018, 25, 166-180.	0.6	123
83	Mice Deficient in Group IV Cytosolic Phospholipase A₂ Are Resistant to MPTP Neurotoxicity. Journal of Neurochemistry, 1998, 71, 2634-2637.	2.1	117
84	Shedding of the Urinary Biomarker Kidney Injury Molecule-1 (KIM-1) Is Regulated by MAP Kinases and Juxtamembrane Region. Journal of the American Society of Nephrology: JASN, 2007, 18, 2704-2714.	3.0	114
85	Kidney Organoids: A Translational Journey. Trends in Molecular Medicine, 2017, 23, 246-263.	3.5	114
86	Kidney injury molecule-1 expression in murine polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2002, 283, F1326-F1336.	1.3	111
87	Pathophysiology of Acute Kidney Injury to Chronic Kidney Disease: Maladaptive Repair. Contributions To Nephrology, 2011, 174, 149-155.	1.1	110
88	Expression of kidney injury molecule-1 (Kim-1) in relation to necrosis and apoptosis during the early stages of Cd-induced proximal tubule injury. Toxicology and Applied Pharmacology, 2009, 238, 306-314.	1.3	108
89	Associations of Urinary Levels of Kidney Injury Molecule 1 (KIM-1) and Neutrophil Gelatinase-Associated Lipocalin (NGAL) With Kidney Function Decline in the Multi-Ethnic Study of Atherosclerosis (MESA). American Journal of Kidney Diseases, 2012, 60, 904-911.	2.1	107
90	Kidney injury molecule-1. Current Opinion in Critical Care, 2010, 16, 556-561.	1.6	104

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91	Cyclin G1 and TASCC regulate kidney epithelial cell G ₂ -M arrest and fibrotic maladaptive repair. Science Translational Medicine, 2019, 11, .	5.8	103
92	KIM-1 mediates fatty acid uptake by renal tubular cells to promote progressive diabetic kidney disease. Cell Metabolism, 2021, 33, 1042-1061.e7.	7.2	103
93	Performance of Novel Kidney Biomarkers in Preclinical Toxicity Studies. Toxicological Sciences, 2010, 116, 8-22.	1.4	101
94	Pathophysiology of AKI: Injury and Normal and Abnormal Repair. Contributions To Nephrology, 2010, 165, 9-17.	1.1	101
95	The Aging Kidney: Increased Susceptibility to Nephrotoxicity. International Journal of Molecular Sciences, 2014, 15, 15358-15376.	1.8	101
96	Increased plasma kidney injury molecule-1 suggests early progressive renal decline in non-proteinuric patients with type 1 diabetes. Kidney International, 2016, 89, 459-467.	2.6	101
97	Effect of Renin-Angiotensin-Aldosterone System Inhibition, Dietary Sodium Restriction, and/or Diuretics on Urinary Kidney Injury Molecule 1 Excretion in Nondiabetic Proteinuric Kidney Disease: A Post Hoc Analysis of a Randomized Controlled Trial. American Journal of Kidney Diseases, 2009, 53, 16-25.	2.1	100
98	Nitric Oxide Decreases Acute Kidney Injury and Stage 3 Chronic Kidney Disease after Cardiac Surgery. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1279-1287.	2.5	99
99	Acute kidney injury and chronic kidney disease: From the laboratory to the clinic. Nephrologie Et Therapeutique, 2016, 12, S41-S48.	0.2	96
100	ADAM17 substrate release in proximal tubule drives kidney fibrosis. JCI Insight, 2016, 1, .	2.3	96
101	Mineralocorticoid receptor blockade confers renoprotection in preexisting chronic cyclosporine nephrotoxicity. American Journal of Physiology - Renal Physiology, 2007, 292, F131-F139.	1.3	94
102	Diagnosis of Acute Kidney Injury: From Classic Parameters to New Biomarkers. Contributions To Nephrology, 2007, 156, 213-219.	1.1	90
103	Circulating Modified Metabolites and a Risk of ESRD in Patients With Type 1 Diabetes and Chronic Kidney Disease. Diabetes Care, 2017, 40, 383-390.	4.3	88
104	Markers of early progressive renal decline in typeÂ2Âdiabetes suggest different implications forÂetiological studies and prognostic testsÂdevelopment. Kidney International, 2018, 93, 1198-1206.	2.6	88
105	Urine biomarkers of tubular injury do not improveÂon the clinical model predicting chronicÂkidney disease progression. Kidney International, 2017, 91, 196-203.	2.6	85
106	Cytosolic phospholipase A2alpha is crucial [correction of A2alpha deficiency is crucial] for 'on-time' embryo implantation that directs subsequent development. Development (Cambridge), 2002, 129, 2879-89.	1.2	85
107	The intensive care medicine agenda on acute kidney injury. Intensive Care Medicine, 2017, 43, 1198-1209.	3.9	83
108	Association of Multiple Plasma Biomarker Concentrations with Progression of Prevalent Diabetic Kidney Disease: Findings from the Chronic Renal Insufficiency Cohort (CRIC) Study. Journal of the American Society of Nephrology: JASN, 2021, 32, 115-126.	3.0	81

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109	Decreased lung tumorigenesis in mice genetically deficient in cytosolic phospholipase A2. Carcinogenesis, 2004, 25, 1517-1524.	1.3	80
110	Primary proximal tubule injury leads to epithelial cell cycle arrest, fibrosis, vascular rarefaction, and glomerulosclerosis. Kidney International Supplements, 2014, 4, 39-44.	4.6	78
111	Mediators of Ischemic Renal Injury. Annual Review of Medicine, 1988, 39, 531-544.	5.0	76
112	<scp>KIM</scp>â€1â€/<scp>TIM</scp>â€1â€mediated phagocytosis links <scp>ATG</scp>5â€/<scp>ULK</scp>1â€dependent clearance of apoptotic cells to antigen presentation. EMBO Journal, 2015, 34, 2441-2464.	3.5	76
113	Reduction of proteinuria in adriamycin-induced nephropathy is associated with reduction of renal kidney injury molecule (Kim-1) over time. American Journal of Physiology - Renal Physiology, 2009, 296, F1136-F1145.	1.3	75
114	Acute kidney injury: a problem of definition. Lancet, The, 2017, 389, 779-781.	6.3	75
115	Phospholipases A2 in ischemic and toxic brain injury. , 2000, 25, 745-753.		73
116	Proximal tubule ATR regulates DNA repair to prevent maladaptive renal injury responses. Journal of Clinical Investigation, 2019, 129, 4797-4816.	3.9	73
117	Fibroblast growth factor 23 levels are elevated and associated with severe acute kidney injury and death following cardiac surgery. Kidney International, 2016, 89, 939-948.	2.6	71
118	Acute kidney injury and maladaptive tubular repair leading to renal fibrosis. Current Opinion in Nephrology and Hypertension, 2020, 29, 310-318.	1.0	71
119	Mechanistic biomarkers for cytotoxic acute kidney injury. Expert Opinion on Drug Metabolism and Toxicology, 2006, 2, 697-713.	1.5	70
120	Urinary kidney injury molecule-1 and monocyte chemotactic protein-1 are noninvasive biomarkers of cisplatin-induced nephrotoxicity in lung cancer patients. Cancer Chemotherapy and Pharmacology, 2015, 76, 989-996.	1.1	70
121	Preclinical evaluation of novel urinary biomarkers of cadmium nephrotoxicity. Toxicology and Applied Pharmacology, 2009, 238, 301-305.	1.3	68
122	PLIP, a Novel Splice Variant of Tip60, Interacts with Group IV Cytosolic Phospholipase A 2 , Induces Apoptosis, and Potentiates Prostaglandin Production. Molecular and Cellular Biology, 2001, 21, 4470-4481.	1.1	65
123	Pathophysiology of Acute Kidney Injury: Roles of Potential Inhibitors of Inflammation. , 2007, 156, 39-46.		65
124	Kim-1/Tim-1 and immune cells: shifting sands. Kidney International, 2012, 81, 809-811.	2.6	65
125	Maladaptive Proximal Tubule Repair: Cell Cycle Arrest. Nephron Clinical Practice, 2014, 127, 61-64.	2.3	63
126	Kidney Preservation Ex Vivo for Transplantation. Annual Review of Medicine, 1992, 43, 523-551.	5.0	62

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127	Novel Assays for Detection of Urinary KIM-1 in Mouse Models of Kidney Injury. Toxicological Sciences, 2013, 131, 13-25.	1.4	62
128	Biological Variability of Estimated GFR and Albuminuria in CKD. American Journal of Kidney Diseases, 2018, 72, 538-546.	2.1	62
129	Induction of kidney injury molecule-1 in homozygous Ren2 rats is attenuated by blockade of the renin-angiotensin system or p38 MAP kinase. American Journal of Physiology - Renal Physiology, 2007, 292, F313-F320.	1.3	61
130	Haptoglobin or Hemopexin Therapy Prevents Acute Adverse Effects of Resuscitation After Prolonged Storage of Red Cells. Circulation, 2016, 134, 945-960.	1.6	61
131	Enhancer and super-enhancer dynamics in repair after ischemic acute kidney injury. Nature Communications, 2020, 11, 3383.	5.8	61
132	The 85-kD Cytosolic Phospholipase A2 Knockout Mouse. Journal of the American Society of Nephrology: JASN, 1999, 10, 404-412.	3.0	61
133	Renal tubular arachidonic acid metabolism. Kidney International, 1991, 39, 438-449.	2.6	60
134	Biomarkers for the diagnosis of acute kidney injury. Current Opinion in Nephrology and Hypertension, 2007, 16, 557-564.	1.0	60
135	Abemaciclib Inhibits Renal Tubular Secretion Without Changing Glomerular Filtration Rate. Clinical Pharmacology and Therapeutics, 2019, 105, 1187-1195.	2.3	60
136	Proinflammatory P2Y14 receptor inhibition protects against ischemic acute kidney injury in mice. Journal of Clinical Investigation, 2020, 130, 3734-3749.	3.9	60
137	Expression of NCAM recapitulates tubulogenic development in kidneys recovering from acute ischemia. American Journal of Physiology - Renal Physiology, 1999, 277, F454-F463.	1.3	59
138	Tubular Expression of KIM-1 Does not Predict Delayed Function After Transplantation. Journal of the American Society of Nephrology: JASN, 2010, 21, 536-542.	3.0	59
139	Cisplatin-induced renal inflammation is ameliorated by cilastatin nephroprotection. Nephrology Dialysis Transplantation, 2017, 32, 1645-1655.	0.4	57
140	A single combination gene therapy treats multiple age-related diseases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23505-23511.	3.3	57
141	The contribution ofÂadult stem cells toÂrenal repair. Nephrologie Et Therapeutique, 2007, 3, 3-10.	0.2	56
142	Renal concentrating defect in mice lacking group IV cytosolic phospholipase A₂. American Journal of Physiology - Renal Physiology, 2001, 280, F607-F618.	1.3	55
143	AKI. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 1606-1608.	2.2	53
144	Urine Kidney Injury Biomarkers and Risks of Cardiovascular Disease Events and All-Cause Death: The CRIC Study. Clinical Journal of the American Society of Nephrology: CJASN, 2017, 12, 761-771.	2.2	53

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145	Cytosolic phospholipase A2 regulates Golgi structure and modulates intracellular trafficking of membrane proteins. Journal of Clinical Investigation, 2000, 106, 983-993.	3.9	53
146	Reference intervals for urinary renal injury biomarkers KIM-1 and NGAL in healthy children. Biomarkers in Medicine, 2014, 8, 1189-1197.	0.6	50
147	A Technology Roadmap for Innovative Approaches to Kidney Replacement Therapies. Clinical Journal of the American Society of Nephrology: CJASN, 2019, 14, 1539-1547.	2.2	50
148	Recent advances in acute kidney injury and its consequences and impact on chronic kidney disease. Current Opinion in Nephrology and Hypertension, 2019, 28, 397-405.	1.0	50
149	Polymorphism of host response genes: Implications in the pathogenesis and treatment of acute renal failure. Kidney International, 2005, 67, 14-33.	2.6	48
150	Plasma Biomarkers of Tubular Injury and Inflammation Are Associated with CKD Progression in Children. Journal of the American Society of Nephrology: JASN, 2020, 31, 1067-1077.	3.0	48
151	Relationship of proximal tubular injury to chronic kidney disease as assessed by urinary kidney injury molecule-1 in five cohort studies. Nephrology Dialysis Transplantation, 2016, 31, 1460-1470.	0.4	45
152	Noninvasive Renal Diagnostic Studies. Clinics in Laboratory Medicine, 1988, 8, 507-526.	0.7	43
153	Renal Effects of Intensive Volume Removal in Heart Failure Patients With Preexisting Worsening Renal Function. Circulation: Heart Failure, 2019, 12, e005552.	1.6	43
154	The Utility of a Rodent Model in Detecting Pediatric Drug-Induced Nephrotoxicity. Toxicological Sciences, 2007, 99, 637-648.	1.4	41
155	Expression of fibronectin splice variants in the postischemic rat kidney. American Journal of Physiology - Renal Physiology, 2001, 280, F1037-F1053.	1.3	40
156	Cytosolic phospholipase A2Î± regulates induction of brain cyclooxygenase-2 in a mouse model of inflammation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R1774-R1782.	0.9	40
157	Characterization of a Novel Phospholipase A₂ Activity in Human Brain. Journal of Neurochemistry, 1995, 64, 2213-2221.	2.1	39
158	A Role for 3D Printing in Kidney-on-a-Chip Platforms. Current Transplantation Reports, 2016, 3, 82-92.	0.9	39
159	Directed Differentiation of Pluripotent Stem Cells to Kidney Cells. Seminars in Nephrology, 2014, 34, 445-461.	0.6	38
160	Improved clinical trial enrollment criterion toÂidentify patients with diabetes at risk of end-stage renal disease. Kidney International, 2017, 92, 258-266.	2.6	38
161	High Risk of ESRD in Type 1 Diabetes: New Strategies Are Needed to Retard Progressive Renal Function Decline. Seminars in Nephrology, 2012, 32, 407-414.	0.6	37
162	Concise Review: Kidney Generation with Human Pluripotent Stem Cells. Stem Cells, 2017, 35, 2209-2217.	1.4	35

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163	Mammalian Target of Rapamycin Mediates Kidney Injury Molecule 1-Dependent Tubule Injury in a Surrogate Model. Journal of the American Society of Nephrology: JASN, 2016, 27, 1943-1957.	3.0	34
164	KIM-1 as a Blood-Based Marker for Early Detection of Kidney Cancer: A Prospective Nested Caseâ€“Control Study. Clinical Cancer Research, 2018, 24, 5594-5601.	3.2	34
165	Group IV Cytosolic Phospholipase A2(Pla2) Function:Insights from the Knockout Mouse. Advances in Experimental Medicine and Biology, 2002, 507, 25-31.	0.8	33
166	High-resolution renal perfusion mapping using contrast-enhanced ultrasonography in ischemia-reperfusion injury monitors changes in renal microperfusion. Kidney International, 2016, 89, 1388-1398.	2.6	33
167	Meclizine Preconditioning Protects the Kidney Against Ischemiaâ€“Reperfusion Injury. EBioMedicine, 2015, 2, 1090-1101.	2.7	32
168	Cytosolic Phospholipase A₂Î± Promotes Pulmonary Inflammation and Systemic Disease during Streptococcus pneumoniae Infection. Infection and Immunity, 2017, 85, .	1.0	32
169	The Prostaglandin E2-EP3 Receptor Axis Regulates Anaplasma phagocytophilum-Mediated NLRC4 Inflammasome Activation. PLoS Pathogens, 2016, 12, e1005803.	2.1	31
170	Associations of Plasma Biomarkers of Inflammation, Fibrosis, and Kidney Tubular Injury With Progression of Diabetic Kidney Disease: A Cohort Study. American Journal of Kidney Diseases, 2022, 79, 849-857.e1.	2.1	31
171	Urinary chemokine (C-C motif) ligand 2 (monocyte chemotactic protein-1) as a tubular injury marker for early detection of cisplatin-induced nephrotoxicity. Biochemical Pharmacology, 2013, 85, 570-582.	2.0	30
172	Differential Roles of Cysteinyl Cathepsins in TGF-Î² Signaling and Tissue Fibrosis. IScience, 2019, 19, 607-622.	1.9	30
173	Molecularly Imprinted Polymer Nanogels for Protein Recognition: Direct Proof of Specific Binding Sites by Solution STD and WaterLOGSY NMR Spectroscopies. Angewandte Chemie - International Edition, 2021, 60, 20849-20857.	7.2	29
174	Dialysis in Acute Kidney Injury â€” More Is Not Better. New England Journal of Medicine, 2008, 359, 82-84.	13.9	28
175	Tumor Necrosis Factor Alpha Promoter Polymorphism and Severity of Acute Kidney Injury. Nephron Clinical Practice, 2013, 123, 67-73.	2.3	28
176	Accelerated receptor shedding inhibits kidney injury molecule-1 (KIM-1)-mediated efferocytosis. American Journal of Physiology - Renal Physiology, 2014, 307, F205-F221.	1.3	28
177	Mxi2, a splice variant of p38 stress-activated kinase, is a distal nephron protein regulated with kidney ischemia. American Journal of Physiology - Cell Physiology, 2000, 278, C781-C790.	2.1	27
178	Regulatory mechanisms of anthrax toxin receptor 1-dependent vascular and connective tissue homeostasis. Matrix Biology, 2015, 42, 56-73.	1.5	27
179	Molecular response to cytotoxic injury: role of inflammation, MAP kinases, and endoplasmic reticulum stress response. Seminars in Nephrology, 2003, 23, 439-448.	0.6	26
180	Management of early acute renal failure: focus on post-injury prevention. Current Opinion in Critical Care, 2005, 11, 542-547.	1.6	26

#	Article	IF	Citations
181	Cytosolic phospholipase A 2 Î± regulates G 1 progression through modulating FOXO1 activity. FASEB Journal, 2016, 30, 1155-1170.	0.2	26
182	From Bench to the Clinic: The Path to Translation of Nanotechnology-Enabled mRNA SARS-CoV-2 Vaccines. Nano-Micro Letters, 2022, 14, 41.	14.4	26
183	Circulating Kidney Injury Molecule 1 Predicts Prognosis and Poor Outcome in Patients With Acetaminophenâ€Induced Liver Injury. Hepatology, 2015, 62, 591-599.	3.6	24
184	Cross-Disciplinary Biomarkers Research. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 894-902.	2.2	24
185	Novel Non-rodent Models of Kidney Disease. Current Molecular Medicine, 2005, 5, 537-546.	0.6	22
186	G protein Î±₁₂(GÎ±₁₂) is a negative regulator of kidney injury molecule-1-mediated efferocytosis. American Journal of Physiology - Renal Physiology, 2016, 310, F607-F620.	1.3	22
187	Biomimetic models of the glomerulus. Nature Reviews Nephrology, 2022, 18, 241-257.	4.1	22
188	Kidney repair and regeneration: perspectives of the NIDDK (Re)Building a Kidney consortium. Kidney International, 2022, 101, 845-853.	2.6	22
189	Microvesicles from Mesenchymal Stromal Cells Protect against Acute Kidney Injury. Journal of the American Society of Nephrology: JASN, 2009, 20, 927-928.	3.0	21
190	The Associations of Plasma Biomarkers of Inflammation With Histopathologic Lesions, Kidney Disease Progression, and Mortalityâ€"The Boston Kidney Biopsy Cohort Study. Kidney International Reports, 2021, 6, 685-694.	0.4	21
191	Indirect and Direct Effects of SARS-CoV-2 on Human Pancreatic Islets. Diabetes, 2022, 71, 1579-1590.	0.3	21
192	Comparison of proteomic methods in evaluating biomarker-AKI associations in cardiac surgery patients. Translational Research, 2021, 238, 49-62.	2.2	20
193	Redistribution of villin to proximal tubule basolateral membranes after ischemia and reperfusion. American Journal of Physiology - Renal Physiology, 1997, 273, F1003-F1012.	1.3	19
194	Complement and renal ischemia-reperfusion injury. American Journal of Kidney Diseases, 2001, 38, 430-433.	2.1	19
195	Cytosolic Phospholipase A ₂ Î± Is Critical for Angiotensin IIâ€"Induced Hypertension and Associated Cardiovascular Pathophysiology. Hypertension, 2015, 65, 784-792.	1.3	19
196	Group IVA Cytosolic Phospholipase A₂ Regulates the G₂-to-M Transition by Modulating the Activity of Tumor Suppressor SIRT2. Molecular and Cellular Biology, 2015, 35, 3768-3784.	1.1	19
197	Endothelial Glycocalyx: Not Just a Sugar Coat. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 390-393.	2.5	19
198	Urine Biomarkers of Kidney Tubule Health, Injury, and Inflammation are Associated with Progression of CKD in Children. Journal of the American Society of Nephrology: JASN, 2021, 32, 2664-2677.	3.0	19

#	Article	IF	Citations
199	Polycystin-1 and GÎ±12 regulate the cleavage of E-cadherin in kidney epithelial cells. Physiological Genomics, 2015, 47, 24-32.	1.0	18
200	GÎ±12 is required for renal cystogenesis induced by Pkd1 inactivation. Journal of Cell Science, 2016, 129, 3675-3684.	1.2	17
201	Neutrophil-Derived Cytosolic PLA2Î± Contributes to Bacterial-Induced Neutrophil Transepithelial Migration. Journal of Immunology, 2017, 199, 2873-2884.	0.4	17
202	Group IVA phospholipase A₂optimizes ovulation and fertilization in rodents through induction of and metabolic coupling with prostaglandin endoperoxide synthase 2. FASEB Journal, 2012, 26, 3800-3810.	0.2	16
203	Pseudomonas aeruginosa ExoU augments neutrophil transepithelial migration. PLoS Pathogens, 2017, 13, e1006548.	2.1	16
204	Orphan nuclear receptor COUPâ€TFII enhances myofibroblast glycolysis leading to kidney fibrosis. EMBO Reports, 2021, 22, e51169.	2.0	16
205	Nephrotoxicity Assessment with Human Kidney Tubuloids using Spherical Nucleic Acid-Based mRNA Nanoflares. Nano Letters, 2021, 21, 5850-5858.	4.5	16
206	Antifibrotic vitamin D analogs. Journal of Clinical Investigation, 2013, 123, 4570-4573.	3.9	16
207	KIM-1/TIM-1 in proximal tubular cell immune response. Oncotarget, 2015, 6, 44059-44060.	0.8	16
208	Acute Kidney Injury Associates with Long-Term Increases in Plasma TNFR1, TNFR2, and KIM-1: Findings from the CRIC Study. Journal of the American Society of Nephrology: JASN, 2022, 33, 1173-1181.	3.0	16
209	The Kidney Disease Screening and Awareness Program (KDSAP): A Novel Translatable Model for Increasing Interest in Nephrology Careers. Journal of the American Society of Nephrology: JASN, 2014, 25, 1909-1915.	3.0	15
210	RGS4 inhibits angiotensin II signaling and macrophage localization during renal reperfusion injury independent of vasospasm. Kidney International, 2015, 87, 771-783.	2.6	15
211	Kidney organoidsâ€”a new tool for kidney therapeutic development. Kidney International, 2018, 94, 1040-1042.	2.6	15
212	Plasma Kidney Injury Molecule 1 in CKD: Findings From the Boston Kidney Biopsy Cohort and CRIC Studies. American Journal of Kidney Diseases, 2022, 79, 231-243.e1.	2.1	15
213	Nanostructured Non-Newtonian Drug Delivery Barrier Prevents Postoperative Intrapericardial Adhesions. ACS Applied Materials & Interfaces, 2021, 13, 29231-29246.	4.0	15
214	Initial Validation of a Machine Learning-Derived Prognostic Test (KidneyIntelX) Integrating Biomarkers and Electronic Health Record Data To Predict Longitudinal Kidney Outcomes. Kidney360, 2020, 1, 731-739.	0.9	15
215	CD74 Deficiency Mitigates Systemic Lupus Erythematosusâ€“like Autoimmunity and Pathological Findings in Mice. Journal of Immunology, 2017, 198, 2568-2577.	0.4	13
216	Impact of Cyclin B2 and Cell division cycle 2 on tubular hyperplasia in progressive chronic renal failure rats. American Journal of Physiology - Renal Physiology, 2010, 298, F923-F934.	1.3	12

#	Article	IF	Citations
217	Increased group IV cytosolic phospholipase A₂activity in lungs of sheep after smoke inhalation injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L533-L542.	1.3	11
218	CRISPR/Cas9â€based Targeted Genome Editing for the Development of Monogenic Diseases Models with Human Pluripotent Stem Cells. Current Protocols in Stem Cell Biology, 2018, 45, e50.	3.0	11
219	Blockade of IL-22 signaling reverses erythroid dysfunction in stress-induced anemias. Nature Immunology, 2021, 22, 520-529.	7.0	11
220	Immunological Impact of a Gluten-Free Dairy-Free Diet in Children With Kidney Disease: A Feasibility Study. Frontiers in Immunology, 2021, 12, 624821.	2.2	11
221	Repair after nephron ablation reveals limitations of neonatal neonephrogenesis. JCI Insight, 2017, 2, e88848.	2.3	11
222	Pathophysiology of ischemic acute renal failure. Inflammation, lung-kidney cross-talk, and biomarkers. Contributions To Nephrology, 2004, 144, 19-30.	1.1	11
223	Effect of Combined Gluten-Free, Dairy-Free Diet in Children With Steroid-Resistant Nephrotic Syndrome: An Open Pilot Trial. Kidney International Reports, 2018, 3, 851-860.	0.4	10
224	Plasma Biomarkers as Risk Factors for Incident CKD. Kidney International Reports, 2022, 7, 1493-1501.	0.4	10
225	Leukocyte adhesion molecules in transplantation11In collaboration with The American Physiological Society, Thomas E. Andreoli, MD, Editor. American Journal of Medicine, 1999, 107, 157-165.	0.6	9
226	Cytosolic Phospholipase A₂Î± Is Essential for Renal Dysfunction and End-Organ Damage Associated With Angiotensin II-Induced Hypertension. American Journal of Hypertension, 2016, 29, 258-265.	1.0	9
227	Biomarker validation with an imperfect reference: Issues and bounds. Statistical Methods in Medical Research, 2018, 27, 2933-2945.	0.7	9
228	Association of Coding Variants in Hydroxysteroid 17-beta Dehydrogenase 14 (HSD17B14) with Reduced Progression to End Stage Kidney Disease in Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2021, 32, 2634-2651.	3.0	9
229	Limb Ischemia Protects Against Contrast-Induced Nephropathy. Circulation, 2012, 126, 384-387.	1.6	8
230	The establishment and validation of novel therapeutic targets to retard progression of chronic kidney disease. Kidney International Supplements, 2017, 7, 130-137.	4.6	8
231	Kidney injury molecule-1 identifies antemortem injury in postmortem adult and fetal kidney. American Journal of Physiology - Renal Physiology, 2018, 315, F1637-F1643.	1.3	8
232	Probing expert opinions on the future of kidney replacement therapies. Artificial Organs, 2021, 45, 79-87.	1.0	8
233	Mechanisms of Acute Kidney Injury and Repair. , 2010, , 13-20.		8
234	Group IVA phospholipase A2 regulates testosterone biosynthesis by murine Leydig cells and is required for timely sexual maturation. Biochemical Journal, 2011, 439, 403-411.	1.7	7

#	Article	IF	Citations
235	Tctexâ€1, a novel interaction partner of Kidney Injury Moleculeâ€1, is required for efferocytosis. Journal of Cellular Physiology, 2018, 233, 6877-6895.	2.0	7
236	Variability in CKD Biomarker Studies: Soluble Urokinase Plasminogen Activator Receptor (suPAR) and Kidney Disease Progression in the Chronic Kidney Disease in Children (CKiD) Study. Kidney Medicine, 2021, 3, 712-721.e1.	1.0	7
237	Positive effects of a novel non-peptidyl low molecular weight radical scavenger in renal ischemia/reperfusion: a preliminary report. SpringerPlus, 2014, 3, 158.	1.2	6
238	Can remote ischaemic preconditioning prevent AKI?. Nature Reviews Nephrology, 2015, 11, 512-513.	4.1	6
239	Therapeutic silencing of SMOC2 prevents kidney function loss in mouse model of chronic kidney disease. IScience, 2021, 24, 103193.	1.9	6
240	Myocardial Cytoskeletal Adaptations in Advanced Kidney Disease. Journal of the American Heart Association, 2022, 11, e022991.	1.6	6
241	Brain Cytosolic Phospholipase A2Î± Mediates Angiotensin II-Induced Hypertension and Reactive Oxygen Species Production in Male Mice. American Journal of Hypertension, 2018, 31, 622-629.	1.0	5
242	Urine neutrophil gelatinase-associated lipocalin as a marker of acute kidney injury in critically ill children. Nature Clinical Practice Nephrology, 2008, 4, 78-79.	2.0	4
243	Diagnosis and Clinical Evaluation of Acute Kidney Injury. , 2010, , 821-829.		4
244	Biomarkers in Acute and Chronic Kidney Diseases. , 2012, , 1016-1042.		4
245	Haptoglobin Therapy Prevents Kidney Injury in Stored Blood Resuscitation of Murine Hemorrhagic Shock. Blood, 2014, 124, 761-761.	0.6	4
246	The Molecular Response to Renal Injury. , 2016, , 367-379.		3
247	Molecularly Imprinted Polymer Nanogels for Protein Recognition: Direct Proof of Specific Binding Sites by Solution STD and WaterLOGSY NMR Spectroscopies. Angewandte Chemie, 2021, 133, 21017-21025.	1.6	3
248	KIM-1 Mediated Tubular Fatty Acid Uptake Leads to Progressive Diabetic Kidney Disease. SSRN Electronic Journal, 0, , .	0.4	3
249	2-Methoxyestradiol Ameliorates Angiotensin IIâ€"Induced Hypertension by Inhibiting Cytosolic Phospholipase A 2 Î± Activity in Female Mice. Hypertension, 2021, 78, 1368-1381.	1.3	3
250	Defects in signal transduction caused by a T cell receptor Î² chain substitution. European Journal of Immunology, 1990, 20, 1417-1422.	1.6	2
251	PHOSPHOLIPASE A2 AND LIPIDS AS POTENTIAL MODULATORS OF c-Raf-1 KINASE. American Journal of Therapeutics, 1996, 3, 287-293.	0.5	1
252	Plasma Kidney Injury Molecule-1 in Systemic Lupus Erythematosus: Discordance Between ELISA and Proximity Extension Assay. Kidney Medicine, 2022, 4, 100496.	1.0	1

#	Article	IF	Citations
253	Inducible nitric oxide mediates systemic microvascular leak following acid aspiration and mechanical ventilation. Basic and Applied Pathology, 2008, 1, 23-29.	0.2	0
254	Mesenchymal Stem Cells. , 2011, , 153-166.		0
255	Stigmata of death: for kidneys and patients. Nephrology Dialysis Transplantation, 2014, 29, 1797-1798.	0.4	0
256	Pathophysiology of Acute Kidney Injury. , 2014, , 288-293.		0
257	FP204BET FAMILY MEMBER BRD4 DEPENDENT ENHANCER AND SUPER-ENHANCER DYNAMICS PROMOTE KIDNEY REPAIR AND PROGRESSION TO FIBROSIS. Nephrology Dialysis Transplantation, 2018, 33, i100-i100.	0.4	0
258	Tubular Physiology in Acute Kidney Injury: Cell Signalling, Injury and Inflammation. , 2018, , 69-91.		0
259	Stem cells in kidney development and regeneration. , 2020, , 805-823.		0
260	Reply. Journal of Pediatrics, 2021, 228, 320-323.	0.9	0
261	Reply. Journal of Pediatrics, 2021, 228, 317-319.	0.9	0
262	6Î²-Hydroxytestosterone Promotes Angiotensin II-Induced Hypertension via Enhanced Cytosolic Phospholipase A ₂ Î± Activity. Hypertension, 2021, 78, 1053-1066.	1.3	0
263	Stress-induced senescence of tubular cells. , 2022, , 241-252.		0
264	Ataxia Telangiectasia and Rad3-Related Activation by DNA Damage Mitigates Maladaptive Repair after Acute Kidney Injury. Nephron, 2021, , 1-4.	0.9	0
265	Spironolactone (Sp) reduces renal dysfunction and structural damage in established chronic cyclosporine (CsA) nephrotoxicity.. FASEB Journal, 2006, 20, A343.	0.2	0
266	Models of Ischemic Renal Injury. , 2009, , 225-228.		0
267	Pathophysiology of Acute Kidney Injury. , 2009, , 270-276.		0
268	Serine hydrolase inhibitors block necrotic cell death by preventing calcium overload of the mitochondria and permeability transition pore formation (756.2). FASEB Journal, 2014, 28, 756.2.	0.2	0
269	Abstract P473: Group IV Cytosolic Phospholipase A2Î± is Critical for Norepinephrine-Induced Hypertension. Hypertension, 2017, 70, .	1.3	0