Joseph V Bonventre

List of Publications by Year in descending order

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#	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.	6.1	2,887
2	Acute Renal Failure. New England Journal of Medicine, 1996, 334, 1448-1460.	27.0	1,545
3	Cellular pathophysiology of ischemic acute kidney injury. Journal of Clinical Investigation, 2011, 121, 4210-4221.	8.2	1,504
4	Kidney Injury Molecule-1 (KIM-1): A novel biomarker for human renal proximal tubule injury. Kidney International, 2002, 62, 237-244.	5.2	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.	3.8	1,281
6	Epithelial cell cycle arrest in G2/M mediates kidney fibrosis after injury. Nature Medicine, 2010, 16, 535-543.	30.7	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.	3.4	1,044
8	Biomarkers of Acute Kidney Injury. Annual Review of Pharmacology and Toxicology, 2008, 48, 463-493.	9.4	925
9	Reduced fertility and postischaemic brain injury in mice deficient in cytosolic phospholipase A2. Nature, 1997, 390, 622-625.	27.8	830
10	Intrinsic Epithelial Cells Repair the Kidney after Injury. Cell Stem Cell, 2008, 2, 284-291.	11.1	752
11	Nephron organoids derived from human pluripotent stem cells model kidney development and injury. Nature Biotechnology, 2015, 33, 1193-1200.	17.5	694
12	Ischemic acute renal failure: An inflammatory disease?. Kidney International, 2004, 66, 480-485.	5.2	678
13	Recent Advances in the Pathophysiology of Ischemic Acute Renal Failure. Journal of the American Society of Nephrology: JASN, 2003, 14, 2199-2210.	6.1	671
14	Global kidney health 2017 and beyond: a roadmap for closing gaps in care, research, and policy. Lancet, The, 2017, 390, 1888-1917.	13.7	662
15	Kidney injury molecule–1 is a phosphatidylserine receptor that confers a phagocytic phenotype on epithelial cells. Journal of Clinical Investigation, 2008, 118, 1657-1668.	8.2	613
16	Mechanisms of maladaptive repair after AKI leading to accelerated kidney ageing and CKD. Nature Reviews Nephrology, 2015, 11, 264-276.	9.6	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.	2.7	572
18	Modelling kidney disease with CRISPR-mutant kidney organoids derived from human pluripotent epiblast spheroids. Nature Communications, 2015, 6, 8715.	12.8	571

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19	Flow-enhanced vascularization and maturation of kidney organoids in vitro. Nature Methods, 2019, 16, 255-262.	19.0	559
20	Kidney injury molecule-1 outperforms traditional biomarkers of kidney injury in preclinical biomarker qualification studies. Nature Biotechnology, 2010, 28, 478-485.	17.5	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.	2.7	551
22	Acute Kidney Injury. Annual Review of Medicine, 2016, 67, 293-307.	12.2	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.	8.2	531
24	Creatinine Kinetics and the Definition of Acute Kidney Injury. Journal of the American Society of Nephrology: JASN, 2009, 20, 672-679.	6.1	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.	6.1	519
26	Urinary N-Acetyl-β-(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.	6.1	467
27	Mechanisms of ischemic acute renal failure. Kidney International, 1993, 43, 1160-1178.	5.2	462
28	Next-generation biomarkers for detecting kidney toxicity. Nature Biotechnology, 2010, 28, 436-440.	17.5	454
29	Targeted proximal tubule injury triggers interstitial fibrosis and glomerulosclerosis. Kidney International, 2012, 82, 172-183.	5.2	389
30	Progression after AKI. Journal of the American Society of Nephrology: JASN, 2016, 27, 687-697.	6.1	351
31	Kidney injury molecule-1 (KIM-1): a urinary biomarker and much more. Nephrology Dialysis Transplantation, 2009, 24, 3265-3268.	0.7	348
32	Normalization of urinary biomarkers to creatinine during changes in glomerular filtration rate. Kidney International, 2010, 78, 486-494.	5.2	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.	6.1	341
34	Resolvin D Series and Protectin D1 Mitigate Acute Kidney Injury. Journal of Immunology, 2006, 177, 5902-5911.	0.8	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.	7.1	316
36	Prediction of DNA Repair Inhibitor Response in Short-Term Patient-Derived Ovarian Cancer Organoids. Cancer Discovery, 2018, 8, 1404-1421.	9.4	311

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37	Mesenchymal Stem Cells in Acute Kidney Injury. Annual Review of Medicine, 2008, 59, 311-325.	12.2	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.	3.4	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.	1.8	288
40	Urinary Biomarkers for Sensitive and Specific Detection of Acute Kidney Injury in Humans. Clinical and Translational Science, 2008, 1, 200-208.	3.1	286
41	Chronic epithelial kidney injury molecule-1 expression causes murine kidney fibrosis. Journal of Clinical Investigation, 2013, 123, 4023-4035.	8.2	281
42	Shedding of Kidney Injury Molecule-1, a Putative Adhesion Protein Involved in Renal Regeneration. Journal of Biological Chemistry, 2002, 277, 39739-39748.	3.4	279
43	Biomarkers of nephrotoxic acute kidney injury. Toxicology, 2008, 245, 182-193.	4.2	259
44	Acute and long-term disruption of glycometabolic control after SARS-CoV-2 infection. Nature Metabolism, 2021, 3, 774-785.	11.9	259
45	KIM-1–mediated phagocytosis reduces acute injury to the kidney. Journal of Clinical Investigation, 2015, 125, 1620-1636.	8.2	259
46	Cell biology and molecular mechanisms of injury in ischemic acute renal failure. Current Opinion in Nephrology and Hypertension, 2000, 9, 427-434.	2.0	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.	3.1	251
48	Imperfect Gold Standards for Kidney Injury Biomarker Evaluation. Journal of the American Society of Nephrology: JASN, 2012, 23, 13-21.	6.1	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 A2α is crucial for â€~on-time' embryo implantation that directs subsequent development. Development (Cambridge), 2002, 129, 2879-2889.	2.5	223
51	Comparative analysis of urinary biomarkers for early detection of acute kidney injury following cardiopulmonary bypass. Biomarkers, 2009, 14, 423-431.	1.9	217
52	Amine-modified single-walled carbon nanotubes protect neurons from injury in a rat stroke model. Nature Nanotechnology, 2011, 6, 121-125.	31.5	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-β-D-glucosaminidase. Kidney International, 2011, 79, 464-470.	5.2	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.	8.6	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.	3.4	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.	3.4	186
57	Renal injury is a third hit promoting rapid development of adult polycystic kidney disease. Human Molecular Genetics, 2009, 18, 2523-2531.	2.9	183
58	Uremic solutes and risk of end-stage renal disease in type 2 diabetes: metabolomic study. Kidney International, 2014, 85, 1214-1224.	5.2	182
59	Biologic markers for the early detection of acute kidney injury. Current Opinion in Critical Care, 2004, 10, 476-482.	3.2	181
60	Tubular damage in chronic systolic heart failure is associated with reduced survival independent of glomerular filtration rate. Heart, 2010, 96, 1297-1302.	2.9	179
61	Kidney tubular epithelium is restored without replacement with bone marrow–derived cells during repair after ischemic injury. Kidney International, 2005, 68, 1956-1961.	5.2	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.	2.7	174
63	Can We Target Tubular Damage to Prevent Renal Function Decline in Diabetes?. Seminars in Nephrology, 2012, 32, 452-462.	1.6	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.	6.1	166
65	Cellular Senescence in the Kidney. Journal of the American Society of Nephrology: JASN, 2019, 30, 726-736.	6.1	164
66	Kidney ischemic preconditioning. Current Opinion in Nephrology and Hypertension, 2002, 11, 43-48.	2.0	162
67	Generation of nephron progenitor cells and kidney organoids from human pluripotent stem cells. Nature Protocols, 2017, 12, 195-207.	12.0	160
68	Stress-Activated Protein Kinases in Cardiovascular Disease. Circulation Research, 1996, 78, 947-953.	4.5	160
69	Tubular kidney injury molecule-1 in protein-overload nephropathy. American Journal of Physiology - Renal Physiology, 2006, 291, F456-F464.	2.7	157
70	Cell cycle arrest and the evolution of chronic kidney disease from acute kidney injury. Nephrology Dialysis Transplantation, 2015, 30, 575-583.	0.7	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.	1.0	155
72	Interleukin-1β 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.	6.1	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.	3.4	150
74	Urinary liver-type fatty acid-binding protein predicts adverse outcomes in acute kidney injury. Kidney International, 2010, 77, 708-714.	5.2	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.	2.4	142
76	Cross-talk between Cytosolic Phospholipase A2α (cPLA2α) and Secretory Phospholipase A2 (sPLA2) in Hydrogen Peroxide-induced Arachidonic Acid Release in Murine Mesangial Cells. Journal of Biological Chemistry, 2003, 278, 24153-24163.	3.4	138
77	Polarity, integrin, and extracellular matrix dynamics in the postischemic rat kidney. American Journal of Physiology - Cell Physiology, 1998, 275, C711-C731.	4.6	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.	1.2	134
79	HIF in Kidney Disease and Development. Journal of the American Society of Nephrology: JASN, 2009, 20, 1877-1887.	6.1	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.	3.4	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.	7.1	125
82	Acute Kidney Injury and Progression of Diabetic Kidney Disease. Advances in Chronic Kidney Disease, 2018, 25, 166-180.	1.4	123
83	Mice Deficient in Group IV Cytosolic Phospholipase A ₂ Are Resistant to MPTP Neurotoxicity. Journal of Neurochemistry, 1998, 71, 2634-2637.	3.9	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.	6.1	114
85	Kidney Organoids: A Translational Journey. Trends in Molecular Medicine, 2017, 23, 246-263.	6.7	114
86	Kidney injury molecule-1 expression in murine polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2002, 283, F1326-F1336.	2.7	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.	2.8	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.	1.9	107
90	Kidney injury molecule-1. Current Opinion in Critical Care, 2010, 16, 556-561.	3.2	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, .	12.4	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.	16.2	103
93	Performance of Novel Kidney Biomarkers in Preclinical Toxicity Studies. Toxicological Sciences, 2010, 116, 8-22.	3.1	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.	4.1	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.	5.2	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.	1.9	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.	5.6	99
99	Acute kidney injury and chronic kidney disease: From the laboratory to the clinic. Nephrologie Et Therapeutique, 2016, 12, S41-S48.	0.5	96
100	ADAM17 substrate release in proximal tubule drives kidney fibrosis. JCI Insight, 2016, 1, .	5.0	96
101	Mineralocorticoid receptor blockade confers renoprotection in preexisting chronic cyclosporine nephrotoxicity. American Journal of Physiology - Renal Physiology, 2007, 292, F131-F139.	2.7	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.	8.6	88
104	Markers of early progressive renal decline in typeÂ2Âdiabetes suggest different implications forÂetiological studies and prognostic testsÂdevelopment. Kidney International, 2018, 93, 1198-1206.	5.2	88
105	Urine biomarkers of tubular injury do not improveÂon the clinical model predicting chronicÂkidney disease progression. Kidney International, 2017, 91, 196-203.	5.2	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.	2.5	85
107	The intensive care medicine agenda on acute kidney injury. Intensive Care Medicine, 2017, 43, 1198-1209.	8.2	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.	6.1	81

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109	Decreased lung tumorigenesis in mice genetically deficient in cytosolic phospholipase A2. Carcinogenesis, 2004, 25, 1517-1524.	2.8	80
110	Primary proximal tubule injury leads to epithelial cell cycle arrest, fibrosis, vascular rarefaction, and glomerulosclerosis. Kidney International Supplements, 2014, 4, 39-44.	14.2	78
111	Mediators of Ischemic Renal Injury. Annual Review of Medicine, 1988, 39, 531-544.	12.2	76
112	<scp>KIM</scp> â€lâ€/ <scp>TIM</scp> â€lâ€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.	7.8	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.	2.7	75
114	Acute kidney injury: a problem of definition. Lancet, The, 2017, 389, 779-781.	13.7	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.	8.2	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.	5.2	71
118	Acute kidney injury and maladaptive tubular repair leading to renal fibrosis. Current Opinion in Nephrology and Hypertension, 2020, 29, 310-318.	2.0	71
119	Mechanistic biomarkers for cytotoxic acute kidney injury. Expert Opinion on Drug Metabolism and Toxicology, 2006, 2, 697-713.	3.3	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.	2.3	70
121	Preclinical evaluation of novel urinary biomarkers of cadmium nephrotoxicity. Toxicology and Applied Pharmacology, 2009, 238, 301-305.	2.8	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.	2.3	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.	5.2	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.	12.2	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.	3.1	62
128	Biological Variability of Estimated GFR and Albuminuria in CKD. American Journal of Kidney Diseases, 2018, 72, 538-546.	1.9	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.	2.7	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.	12.8	61
132	The 85-kD Cytosolic Phospholipase A2 Knockout Mouse. Journal of the American Society of Nephrology: JASN, 1999, 10, 404-412.	6.1	61
133	Renal tubular arachidonic acid metabolism. Kidney International, 1991, 39, 438-449.	5.2	60
134	Biomarkers for the diagnosis of acute kidney injury. Current Opinion in Nephrology and Hypertension, 2007, 16, 557-564.	2.0	60
135	Abemaciclib Inhibits Renal Tubular Secretion Without Changing Glomerular Filtration Rate. Clinical Pharmacology and Therapeutics, 2019, 105, 1187-1195.	4.7	60
136	Proinflammatory P2Y14 receptor inhibition protects against ischemic acute kidney injury in mice. Journal of Clinical Investigation, 2020, 130, 3734-3749.	8.2	60
137	Expression of NCAM recapitulates tubulogenic development in kidneys recovering from acute ischemia. American Journal of Physiology - Renal Physiology, 1999, 277, F454-F463.	2.7	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.	6.1	59
139	Cisplatin-induced renal inflammation is ameliorated by cilastatin nephroprotection. Nephrology Dialysis Transplantation, 2017, 32, 1645-1655.	0.7	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.	7.1	57
141	The contribution ofÂadult stem cells toÂrenal repair. Nephrologie Et Therapeutique, 2007, 3, 3-10.	0.5	56
142	Renal concentrating defect in mice lacking group IV cytosolic phospholipase A ₂ . American Journal of Physiology - Renal Physiology, 2001, 280, F607-F618.	2.7	55
143	AKI. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 1606-1608.	4.5	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.	4.5	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.	8.2	53
146	Reference intervals for urinary renal injury biomarkers KIM-1 and NGAL in healthy children. Biomarkers in Medicine, 2014, 8, 1189-1197.	1.4	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.	4.5	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.	2.0	50
149	Polymorphism of host response genes: Implications in the pathogenesis and treatment of acute renal failure. Kidney International, 2005, 67, 14-33.	5.2	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.	6.1	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.	0.7	45
152	Noninvasive Renal Diagnostic Studies. Clinics in Laboratory Medicine, 1988, 8, 507-526.	1.4	43
153	Renal Effects of Intensive Volume Removal in Heart Failure Patients With Preexisting Worsening Renal Function. Circulation: Heart Failure, 2019, 12, e005552.	3.9	43
154	The Utility of a Rodent Model in Detecting Pediatric Drug-Induced Nephrotoxicity. Toxicological Sciences, 2007, 99, 637-648.	3.1	41
155	Expression of fibronectin splice variants in the postischemic rat kidney. American Journal of Physiology - Renal Physiology, 2001, 280, F1037-F1053.	2.7	40
156	Cytosolic phospholipase A2α 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.	1.8	40
157	Characterization of a Novel Phospholipase A ₂ Activity in Human Brain. Journal of Neurochemistry, 1995, 64, 2213-2221.	3.9	39
158	A Role for 3D Printing in Kidney-on-a-Chip Platforms. Current Transplantation Reports, 2016, 3, 82-92.	2.0	39
159	Directed Differentiation of Pluripotent Stem Cells to Kidney Cells. Seminars in Nephrology, 2014, 34, 445-461.	1.6	38
160	Improved clinical trial enrollment criterion toÂidentify patients with diabetes at risk of end-stage renal disease. Kidney International, 2017, 92, 258-266.	5.2	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.	1.6	37
162	Concise Review: Kidney Generation with Human Pluripotent Stem Cells. Stem Cells, 2017, 35, 2209-2217.	3.2	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.	6.1	34
164	KIM-1 as a Blood-Based Marker for Early Detection of Kidney Cancer: A Prospective Nested Case–Control Study. Clinical Cancer Research, 2018, 24, 5594-5601.	7.0	34
165	Group IV Cytosolic Phospholipase A2(Pla2) Function:Insights from the Knockout Mouse. Advances in Experimental Medicine and Biology, 2002, 507, 25-31.	1.6	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.	5.2	33
167	Meclizine Preconditioning Protects the Kidney Against Ischemia–Reperfusion Injury. EBioMedicine, 2015, 2, 1090-1101.	6.1	32
168	Cytosolic Phospholipase A ₂ α Promotes Pulmonary Inflammation and Systemic Disease during Streptococcus pneumoniae Infection. Infection and Immunity, 2017, 85, .	2.2	32
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