Joseph V Bonventre

List of Publications by Year in Descending Order

264 papers	33,214 citations	87 h-index	180 g-index
281 ext. papers	38,158 ext. citations	9.1 avg, IF	7.57 L-index

#	Paper	IF	Citations
264	Biomimetic models of the glomerulus.. *Nature Reviews Nephrology*, **2022**,	14.9	4
263	From Bench to the Clinic: The Path to Translation of Nanotechnology-Enabled mRNA SARS-CoV-2 Vaccines.. *Nano-Micro Letters*, **2022**, 14, 41	19.5	8
262	Stress-induced senescence of tubular cells **2022**, 241-252		
261	Myocardial Cytoskeletal Adaptations in Advanced Kidney Disease.. *Journal of the American Heart Association*, **2022**, e022991	6	0
260	Plasma Kidney Injury Molecule-1 in Systemic Lupus Erythematosus: Discordance Between ELISA and Proximity Extension Assay. *Kidney Medicine*, **2022**, 100496	2.8	
259	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*, **2021**,	7.4	5
258	Ataxia Telangiectasia and Rad3-Related Activation by DNA Damage Mitigates Maladaptive Repair after Acute Kidney Injury. *Nephron*, **2021**, 1-4	3.3	
257	2-Methoxyestradiol Ameliorates Angiotensin II-Induced Hypertension by Inhibiting Cytosolic Phospholipase A Activity in Female Mice. *Hypertension*, **2021**, 78, 1368-1381	8.5	0
256	Blockade of IL-22 signaling reverses erythroid dysfunction in stress-induced anemias. *Nature Immunology*, **2021**, 22, 520-529	19.1	4
255	Acute and long-term disruption of glycometabolic control after SARS-CoV-2 infection. *Nature Metabolism*, **2021**, 3, 774-785	14.6	78
254	Orphan nuclear receptor COUP-TFII enhances myofibroblast glycolysis leading to kidney fibrosis. *EMBO Reports*, **2021**, 22, e51169	6.5	3
253	KIM-1 mediates fatty acid uptake by renal tubular cells to promote progressive diabetic kidney disease. *Cell Metabolism*, **2021**, 33, 1042-1061.e7	24.6	17
252	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	2.8	2
251	Plasma Kidney Injury Molecule 1 in CKD: Findings From the Boston Kidney Biopsy Cohort and CRIC Studies. *American Journal of Kidney Diseases*, **2021**,	7.4	4
250	Nephrotoxicity Assessment with Human Kidney Tubuloids using Spherical Nucleic Acid-Based mRNA Nanoflares. *Nano Letters*, **2021**, 21, 5850-5858	11.5	3
249	Immunological Impact of a Gluten-Free Dairy-Free Diet in Children With Kidney Disease: A Feasibility Study. *Frontiers in Immunology*, **2021**, 12, 624821	8.4	3
248	Nanostructured Non-Newtonian Drug Delivery Barrier Prevents Postoperative Intrapericardial Adhesions. *ACS Applied Materials & Interfaces*, **2021**, 13, 29231-29246	9.5	4

247	Comparison of proteomic methods in evaluating biomarker-AKI associations in cardiac surgery patients. *Translational Research*, **2021**, 238, 49-62	11	3
246	Probing expert opinions on the future of kidney replacement therapies. *Artificial Organs*, **2021**, 45, 79-87	2.6	1
245	Reply. *Journal of Pediatrics*, **2021**, 228, 320-323	3.6	
244	Reply. *Journal of Pediatrics*, **2021**, 228, 317-319	3.6	
243	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	12.7	26
242	The Associations of Plasma Biomarkers of Inflammation With Histopathologic Lesions, Kidney Disease Progression, and Mortality-The Boston Kidney Biopsy Cohort Study. *Kidney International Reports*, **2021**, 6, 685-694	4.1	5
241	Association of Coding Variants in Hydroxysteroid 17-beta Dehydrogenase 14 () with Reduced Progression to End Stage Kidney Disease in Type 1 Diabetes. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 2634-2651	12.7	2
240	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	16.4	7
239	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	3.6	0
238	Therapeutic silencing of SMOC2 prevents kidney function loss in mouse model of chronic kidney disease. *IScience*, **2021**, 24, 103193	6.1	0
237	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	12.7	3
236	6Hydroxytestosterone Promotes Angiotensin II-Induced Hypertension via Enhanced Cytosolic Phospholipase AActivity. *Hypertension*, **2021**, 78, 1053-1066	8.5	
235	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	12.7	22
234	Enhancer and super-enhancer dynamics in repair after ischemic acute kidney injury. *Nature Communications*, **2020**, 11, 3383	17.4	17
233	Stem cells in kidney development and regeneration **2020**, 805-823		
232	Proinflammatory P2Y14 receptor inhibition protects against ischemic acute kidney injury in mice. *Journal of Clinical Investigation*, **2020**, 130, 3734-3749	15.9	25
231	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	1.8	7
230	Acute kidney injury and maladaptive tubular repair leading to renal fibrosis. *Current Opinion in Nephrology and Hypertension*, **2020**, 29, 310-318	3.5	23

229	KIM-1/TIM-1 is a Receptor for SARS-CoV-2 in Lung and Kidney **2020**,		16
228	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	14.6	133
227	Pediatric Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): Clinical Presentation, Infectivity, and Immune Responses. *Journal of Pediatrics*, **2020**, 227, 45-52.e5	3.6	192
226	Differential Roles of Cysteinyl Cathepsins in TGF-β Signaling and Tissue Fibrosis. *IScience*, **2019**, 19, 607-622	6.1	14
225	A Technology Roadmap for Innovative Approaches to Kidney Replacement Therapies: A Catalyst for Change. *Clinical Journal of the American Society of Nephrology: CJASN*, **2019**, 14, 1539-1547	6.9	20
224	Cyclin G1 and TASCC regulate kidney epithelial cell G-M arrest and fibrotic maladaptive repair. *Science Translational Medicine*, **2019**, 11,	17.5	55
223	Renal Effects of Intensive Volume Removal in Heart Failure Patients With Preexisting Worsening Renal Function. *Circulation: Heart Failure*, **2019**, 12, e005552	7.6	21
222	Cellular Senescence in the Kidney. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 726-736	12.7	82
221	Flow-enhanced vascularization and maturation of kidney organoids in vitro. *Nature Methods*, **2019**, 16, 255-262	21.6	294
220	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	11.5	26
219	Proximal tubule ATR regulates DNA repair to prevent maladaptive renal injury responses. *Journal of Clinical Investigation*, **2019**, 129, 4797-4816	15.9	43
218	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	3.5	26
217	Abemaciclib Inhibits Renal Tubular Secretion Without Changing Glomerular Filtration Rate. *Clinical Pharmacology and Therapeutics*, **2019**, 105, 1187-1195	6.1	31
216	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	4.1	5
215	Markers of early progressive renal decline in type 2 diabetes suggest different implications for etiological studies and prognostic tests development. *Kidney International*, **2018**, 93, 1198-1206	9.9	59
214	Brain Cytosolic Phospholipase A2 Mediates Angiotensin II-Induced Hypertension and Reactive Oxygen Species Production in Male Mice. *American Journal of Hypertension*, **2018**, 31, 622-629	2.3	5
213	Worsening Renal Function in Patients With Acute Heart Failure Undergoing Aggressive Diuresis Is Not Associated With Tubular Injury. *Circulation*, **2018**, 137, 2016-2028	16.7	137
212	CRISPR/Cas9-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	2.8	7

211	Tctex-1, a novel interaction partner of Kidney Injury Molecule-1, is required for efferocytosis. *Journal of Cellular Physiology*, **2018**, 233, 6877-6895	7	3
210	Acute Kidney Injury and Progression of Diabetic Kidney Disease. *Advances in Chronic Kidney Disease*, **2018**, 25, 166-180	4.7	79
209	Biomarker validation with an imperfect reference: Issues and bounds. *Statistical Methods in Medical Research*, **2018**, 27, 2933-2945	2.3	5
208	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	10.2	54
207	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	12.9	21
206	Biological Variability of Estimated GFR and Albuminuria in CKD. *American Journal of Kidney Diseases* , **2018**, 72, 538-546	7.4	29
205	Interleukin-1 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	12.7	84
204	Kidney injury molecule-1 identifies antemortem injury in postmortem adult and fetal kidney. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F1637-F1643	4.3	5
203	FP204BET FAMILY MEMBER BRD4 DEPENDENT ENHANCER AND SUPER-ENHANCER DYNAMICS PROMOTE KIDNEY REPAIR AND PROGRESSION TO FIBROSIS. *Nephrology Dialysis Transplantation*, **2018**, 33, i100-i100	4.3	
202	Kidney organoids-a new tool for kidney therapeutic development. *Kidney International*, **2018**, 94, 1040-1042	9.2	11
201	Prediction of DNA Repair Inhibitor Response in Short-Term Patient-Derived Ovarian Cancer Organoids. *Cancer Discovery*, **2018**, 8, 1404-1421	24.4	168
200	Tubular Physiology in Acute Kidney Injury: Cell Signalling, Injury and Inflammation **2018**, 69-91		
199	The intensive care medicine agenda on acute kidney injury. *Intensive Care Medicine*, **2017**, 43, 1198-1209	14.5	53
198	Circulating Modified Metabolites and a Risk of ESRD in Patients With Type 1 Diabetes and Chronic Kidney Disease. *Diabetes Care*, **2017**, 40, 383-390	14.6	56
197	Acute kidney injury: a problem of definition. *Lancet, The*, **2017**, 389, 779-781	40	53
196	Kidney Organoids: A Translational Journey. *Trends in Molecular Medicine*, **2017**, 23, 246-263	11.5	82
195	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	6.9	34
194	CD74 Deficiency Mitigates Systemic Lupus Erythematosus-like Autoimmunity and Pathological Findings in Mice. *Journal of Immunology*, **2017**, 198, 2568-2577	5.3	9

193	Improved clinical trial enrollment criterion to identify patients with diabetes at risk of end-stage renal disease. *Kidney International*, **2017**, 92, 258-266	9.9	29
192	Global kidney health 2017 and beyond: a roadmap for closing gaps in care, research, and policy. *Lancet, The*, **2017**, 390, 1888-1917	40	419
191	Cisplatin-induced renal inflammation is ameliorated by cilastatin nephroprotection. *Nephrology Dialysis Transplantation*, **2017**, 32, 1645-1655	4.3	36
190	Generation of nephron progenitor cells and kidney organoids from human pluripotent stem cells. *Nature Protocols*, **2017**, 12, 195-207	18.8	105
189	The establishment and validation of novel therapeutic targets to retard progression of chronic kidney disease. *Kidney International Supplements*, **2017**, 7, 130-137	6.3	4
188	Pseudomonas aeruginosa ExoU augments neutrophil transepithelial migration. *PLoS Pathogens*, **2017**, 13, e1006548	7.6	14
187	Cytosolic Phospholipase A Promotes Pulmonary Inflammation and Systemic Disease during Streptococcus pneumoniae Infection. *Infection and Immunity*, **2017**, 85,	3.7	18
186	Neutrophil-Derived Cytosolic PLA2 Contributes to Bacterial-Induced Neutrophil Transepithelial Migration. *Journal of Immunology*, **2017**, 199, 2873-2884	5.3	15
185	Concise Review: Kidney Generation with Human Pluripotent Stem Cells. *Stem Cells*, **2017**, 35, 2209-2217	5.8	29
184	Urine biomarkers of tubular injury do not improve on the clinical model predicting chronic kidney disease progression. *Kidney International*, **2017**, 91, 196-203	9.9	53
183	Repair after nephron ablation reveals limitations of neonatal neonephrogenesis. *JCI Insight*, **2017**, 2, e88848	9.9	9
182	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, 1460-70	4.3	35
181	Haptoglobin or Hemopexin Therapy Prevents Acute Adverse Effects of Resuscitation After Prolonged Storage of Red Cells. *Circulation*, **2016**, 134, 945-60	16.7	48
180	Endothelial Glycocalyx: Not Just a Sugar Coat. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 390-3	10.2	17
179	G protein (G) is a negative regulator of kidney injury molecule-1-mediated efferocytosis. *American Journal of Physiology - Renal Physiology*, **2016**, 310, F607-F620	4.3	14
178	A Role for 3D Printing in Kidney-on-a-Chip Platforms. *Current Transplantation Reports*, **2016**, 3, 82-92	1.5	30
177	Acute Kidney Injury. *Annual Review of Medicine*, **2016**, 67, 293-307	17.4	371
176	Cytosolic Phospholipase A2 Is Essential for Renal Dysfunction and End-Organ Damage Associated With Angiotensin II-Induced Hypertension. *American Journal of Hypertension*, **2016**, 29, 258-65	2.3	9

175	Cytosolic phospholipase A2 regulates G1 progression through modulating FOXO1 activity. *FASEB Journal*, **2016**, 30, 1155-70	0.9	20
174	Fibroblast growth factor 23 levels are elevated and associated with severe acute kidney injury and death following cardiac surgery. *Kidney International*, **2016**, 89, 939-48	9.9	54
173	Acute kidney injury and chronic kidney disease: From the laboratory to the clinic. *Nephrologie Et Therapeutique*, **2016**, 12 Suppl 1, S41-8	0.6	62
172	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, 1943-57	12.7	25
171	Increased plasma kidney injury molecule-1 suggests early progressive renal decline in non-proteinuric patients with type 1 diabetes. *Kidney International*, **2016**, 89, 459-67	9.9	68
170	Progression after AKI: Understanding Maladaptive Repair Processes to Predict and Identify Therapeutic Treatments. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 687-97	12.7	238
169	ADAM17 substrate release in proximal tubule drives kidney fibrosis. *JCI Insight*, **2016**, 1,	9.9	68
168	The Prostaglandin E2-EP3 Receptor Axis Regulates Anaplasma phagocytophilum-Mediated NLRC4 Inflammasome Activation. *PLoS Pathogens*, **2016**, 12, e1005803	7.6	21
167	The Molecular Response to Renal Injury: How Does Chronic Renal Damage Suppress Normal Repair Processes? **2016**, 367-379		2
166	High-resolution renal perfusion mapping using contrast-enhanced ultrasonography in ischemia-reperfusion injury monitors changes in renal microperfusion. *Kidney International*, **2016**, 89, 1388-98	9.9	25
165	G12 is required for renal cystogenesis induced by Pkd1 inactivation. *Journal of Cell Science*, **2016**, 129, 3675-3684	5.3	13
164	Polycystin-1 and G12 regulate the cleavage of E-cadherin in kidney epithelial cells. *Physiological Genomics*, **2015**, 47, 24-32	3.6	15
163	Acute kidney injury: Can remote ischaemic preconditioning prevent AKI?. *Nature Reviews Nephrology*, **2015**, 11, 512-3	14.9	4
162	Cross-Disciplinary Biomarkers Research: Lessons Learned by the CKD Biomarkers Consortium. *Clinical Journal of the American Society of Nephrology: CJASN*, **2015**, 10, 894-902	6.9	18
161	Modelling kidney disease with CRISPR-mutant kidney organoids derived from human pluripotent epiblast spheroids. *Nature Communications*, **2015**, 6, 8715	17.4	410
160	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, 989-96	3.5	55
159	Nephron organoids derived from human pluripotent stem cells model kidney development and injury. *Nature Biotechnology*, **2015**, 33, 1193-200	44.5	476
158	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, 3768-84	4.8	15

157	Cell cycle arrest and the evolution of chronic kidney disease from acute kidney injury. *Nephrology Dialysis Transplantation*, **2015**, 30, 575-83	4.3	107
156	Circulating Kidney Injury Molecule 1 Predicts Prognosis and Poor Outcome in Patients With Acetaminophen-Induced Liver Injury. *Hepatology*, **2015**, 62, 591-9	11.2	22
155	Meclizine Preconditioning Protects the Kidney Against Ischemia-Reperfusion Injury. *EBioMedicine*, **2015**, 2, 1090-101	8.8	20
154	KIM-1-/TIM-1-mediated phagocytosis links ATG5-/ULK1-dependent clearance of apoptotic cells to antigen presentation. *EMBO Journal*, **2015**, 34, 2441-64	13	58
153	RGS4 inhibits angiotensin II signaling and macrophage localization during renal reperfusion injury independent of vasospasm. *Kidney International*, **2015**, 87, 771-83	9.9	13
152	Cytosolic phospholipase A2 is critical for angiotensin II-induced hypertension and associated cardiovascular pathophysiology. *Hypertension*, **2015**, 65, 784-92	8.5	19
151	Mechanisms of maladaptive repair after AKI leading to accelerated kidney ageing and CKD. *Nature Reviews Nephrology*, **2015**, 11, 264-76	14.9	378
150	Regulatory mechanisms of anthrax toxin receptor 1-dependent vascular and connective tissue homeostasis. *Matrix Biology*, **2015**, 42, 56-73	11.4	19
149	KIM-1-mediated phagocytosis reduces acute injury to the kidney. *Journal of Clinical Investigation*, **2015**, 125, 1620-36	15.9	178
148	Maladaptive proximal tubule repair: cell cycle arrest. *Nephron Clinical Practice*, **2014**, 127, 61-4		51
147	Directed differentiation of pluripotent stem cells to kidney cells. *Seminars in Nephrology*, **2014**, 34, 445-61	4.8	30
146	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, 2177-86	12.7	250
145	Positive effects of a novel non-peptidyl low molecular weight radical scavenger in renal ischemia/reperfusion: a preliminary report. *SpringerPlus*, **2014**, 3, 158		6
144	Uremic solutes and risk of end-stage renal disease in type 2 diabetes: metabolomic study. *Kidney International*, **2014**, 85, 1214-24	9.9	141
143	The aging kidney: increased susceptibility to nephrotoxicity. *International Journal of Molecular Sciences*, **2014**, 15, 15358-76	6.3	76
142	Primary proximal tubule injury leads to epithelial cell cycle arrest, fibrosis, vascular rarefaction, and glomerulosclerosis. *Kidney International Supplements*, **2014**, 4, 39-44	6.3	58
141	Reference intervals for urinary renal injury biomarkers KIM-1 and NGAL in healthy children. *Biomarkers in Medicine*, **2014**, 8, 1189-97	2.3	44
140	Accelerated receptor shedding inhibits kidney injury molecule-1 (KIM-1)-mediated efferocytosis. *American Journal of Physiology - Renal Physiology*, **2014**, 307, F205-21	4.3	23

139	Stigmata of death: for kidneys and patients. *Nephrology Dialysis Transplantation*, **2014**, 29, 1797-8	4.3	
138	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, 1909-15	12.7	11
137	Pathophysiology of Acute Kidney Injury **2014**, 288-293		
136	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	0.9	
135	Haptoglobin Therapy Prevents Kidney Injury in Stored Blood Resuscitation of Murine Hemorrhagic Shock. *Blood*, **2014**, 124, 761-761	2.2	
134	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, 570-82	6	27
133	Novel assays for detection of urinary KIM-1 in mouse models of kidney injury. *Toxicological Sciences*, **2013**, 131, 13-25	4.4	46
132	Tumor necrosis factor alpha promoter polymorphism and severity of acute kidney injury. *Nephron Clinical Practice*, **2013**, 123, 67-73		23
131	AKI: a path forward. *Clinical Journal of the American Society of Nephrology: CJASN*, **2013**, 8, 1606-8	6.9	42
130	Chronic epithelial kidney injury molecule-1 expression causes murine kidney fibrosis. *Journal of Clinical Investigation*, **2013**, 123, 4023-35	15.9	207
129	Antifibrotic vitamin D analogs. *Journal of Clinical Investigation*, **2013**, 123, 4570-3	15.9	14
128	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, 12105-10	11.5	108
127	Imperfect gold standards for kidney injury biomarker evaluation. *Journal of the American Society of Nephrology: JASN*, **2012**, 23, 13-21	12.7	190
126	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, 904-11	7.4	84
125	High risk of ESRD in type 1 diabetes: new strategies are needed to retard progressive renal function decline. *Seminars in Nephrology*, **2012**, 32, 407-14	4.8	30
124	Can we target tubular damage to prevent renal function decline in diabetes?. *Seminars in Nephrology*, **2012**, 32, 452-62	4.8	141
123	Group IVA phospholipase A□optimizes ovulation and fertilization in rodents through induction of and metabolic coupling with prostaglandin endoperoxide synthase 2. *FASEB Journal*, **2012**, 26, 3800-10	0.9	14
122	Targeted proximal tubule injury triggers interstitial fibrosis and glomerulosclerosis. *Kidney International*, **2012**, 82, 172-83	9.9	299

121	Kim-1/Tim-1 and immune cells: shifting sands. *Kidney International*, **2012**, 81, 809-11	9.9	47
120	Biomarkers in Acute and Chronic Kidney Diseases **2012**, 1016-1042		4
119	Mesenchymal Stem Cells **2011**, 153-166		
118	Regression of microalbuminuria in type 1 diabetes is associated with lower levels of urinary tubular injury biomarkers, kidney injury molecule-1, and N-acetyl-D-glucosaminidase. *Kidney International*, **2011**, 79, 464-70	9.9	161
117	Group IVA phospholipase A2 regulates testosterone biosynthesis by murine Leydig cells and is required for timely sexual maturation. *Biochemical Journal*, **2011**, 439, 403-11	3.8	4
116	Amine-modified single-walled carbon nanotubes protect neurons from injury in a rat stroke model. *Nature Nanotechnology*, **2011**, 6, 121-125	28.7	178
115	Pathophysiology of acute kidney injury to chronic kidney disease: maladaptive repair. *Contributions To Nephrology*, **2011**, 174, 149-155	1.6	94
114	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, 9226-31	11.5	261
113	Cellular pathophysiology of ischemic acute kidney injury. *Journal of Clinical Investigation*, **2011**, 121, 4210-21	13.9	1181
112	Next-generation biomarkers for detecting kidney toxicity. *Nature Biotechnology*, **2010**, 28, 436-40	44.5	388
111	Epithelial cell cycle arrest in G2/M mediates kidney fibrosis after injury. *Nature Medicine*, **2010**, 16, 535-43, 1p following 143	50.5	806
110	Performance of novel kidney biomarkers in preclinical toxicity studies. *Toxicological Sciences*, **2010**, 116, 8-22	4.4	93
109	Normalization of urinary biomarkers to creatinine during changes in glomerular filtration rate. *Kidney International*, **2010**, 78, 486-94	9.9	274
108	Tubular expression of KIM-1 does not predict delayed function after transplantation. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 536-42	12.7	55
107	Tubular damage in chronic systolic heart failure is associated with reduced survival independent of glomerular filtration rate. *Heart*, **2010**, 96, 1297-302	5.1	159
106	Diagnosis and Clinical Evaluation of Acute Kidney Injury **2010**, 821-829		2
105	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, F923-34	4.3	11
104	Pathophysiology of AKI: injury and normal and abnormal repair. *Contributions To Nephrology*, **2010**, 165, 9-17	1.6	91

103	Urinary liver-type fatty acid-binding protein predicts adverse outcomes in acute kidney injury. *Kidney International*, **2010**, 77, 708-14	9.9	116
102	Kidney injury molecule-1 outperforms traditional biomarkers of kidney injury in preclinical biomarker qualification studies. *Nature Biotechnology*, **2010**, 28, 478-85	44.5	465
101	Fate tracing reveals the pericyte and not epithelial origin of myofibroblasts in kidney fibrosis. *American Journal of Pathology*, **2010**, 176, 85-97	5.8	1072
100	Kidney injury molecule-1. *Current Opinion in Critical Care*, **2010**, 16, 556-61	3.5	88
99	Biomarkers of Acute Kidney Injury **2010**, 237-279		7
98	Mechanisms of Acute Kidney Injury and Repair **2010**, 13-20		7
97	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, F1136-45	4.3	66
96	HIF in kidney disease and development. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 1877-87	12.7	109
95	Microvesicles from mesenchymal stromal cells protect against acute kidney injury. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 927-8	12.7	19
94	Renal injury is a third hit promoting rapid development of adult polycystic kidney disease. *Human Molecular Genetics*, **2009**, 18, 2523-31	5.6	146
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