

Jay L Koyner

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

11,651
citations

53794

45
h-index

28297

105
g-index

144
all docs

144
docs citations

144
times ranked

11146
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracorporeal Blood Purification Is Appropriate in Critically Ill Patients with COVID-19 and Multiorgan Failure: COMMENTARY. <i>Kidney360</i> , 2022, 3, 423-425.	2.1	1
2	Artificial Intelligence for AKI!Now: Letâ€™s Not Await Platoâ€™s Utopian Republic. <i>Kidney360</i> , 2022, 3, 376-381.	2.1	11
3	Performance of a Standardized Clinical Assay for Urinary Câ€™C Motif Chemokine Ligand 14 (CCL14) for Persistent Severe Acute Kidney Injury. <i>Kidney360</i> , 2022, 3, 1158-1168.	2.1	13
4	Management of Respiratory Failure. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2022, 17, 572-580.	4.5	2
5	Early versus delayed initiation of renal replacement therapy in cardiac-surgery associated acute kidney injury: an economic perspective. <i>Journal of Critical Care</i> , 2022, 69, 153977.	2.2	4
6	Characterising acute kidney injury: The complementary roles of biomarkers of renal stress and renal function. <i>Journal of Critical Care</i> , 2022, 71, 154066.	2.2	5
7	Optimizing the Design and Analysis of Future AKI Trials. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 1459-1470.	6.1	17
8	Results from the TRIBE-AKI Study found associations between post-operative blood biomarkers and risk of chronic kidney disease after cardiac surgery. <i>Kidney International</i> , 2021, 99, 716-724.	5.2	35
9	Artificial Intelligence in Acute Kidney Injury: From Static to Dynamic Models. <i>Advances in Chronic Kidney Disease</i> , 2021, 28, 74-82.	1.4	10
10	Severe Acute Respiratory Syndromeâ€™Associated Coronavirus 2 Infection and Organ Dysfunction in the ICU: Opportunities for Translational Research. , 2021, 3, e0374.		20
11	Variation in Best Practice Measures in Patients With Severe Hospital-Acquired Acute Kidney Injury: A Multicenter Study. <i>American Journal of Kidney Diseases</i> , 2021, 77, 547-549.	1.9	19
12	Postoperative acute kidney injury in adult non-cardiac surgery: joint consensus report of the Acute Disease Quality Initiative and PeriOperative Quality Initiative. <i>Nature Reviews Nephrology</i> , 2021, 17, 605-618.	9.6	94
13	Urinary EGF and MCP-1 and risk of CKD after cardiac surgery. <i>JCI Insight</i> , 2021, 6, .	5.0	16
14	Renal Considerations in COVID-19: Biology, Pathology, and Pathophysiology. <i>ASAIO Journal</i> , 2021, 67, 1087-1096.	1.6	5
15	Pathophysiology of COVID-19-associated acute kidney injury. <i>Nature Reviews Nephrology</i> , 2021, 17, 751-764.	9.6	280
16	Performance of crisis standards of care guidelines in a cohort of critically ill COVID-19 patients in the United States. <i>Cell Reports Medicine</i> , 2021, 2, 100376.	6.5	8
17	Identification of Distinct Clinical Subphenotypes in Critically Ill Patients With COVID-19. <i>Chest</i> , 2021, 160, 929-943.	0.8	31
18	Sepsis and Kidney Injury. <i>Contributions To Nephrology</i> , 2021, 199, 56-70.	1.1	8

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19	Novel Use of Premixed Dialysate Bags during Water Supply Interruption in Acute Hospital Setting. <i>Kidney360</i> , 2021, 2, 339-343.	2.1	2
20	CSA-AKI: Incidence, Epidemiology, Clinical Outcomes, and Economic Impact. <i>Journal of Clinical Medicine</i> , 2021, 10, 5746.	2.4	18
21	The impact of biomarkers of acute kidney injury on individual patient care. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, 1295-1305.	0.7	27
22	Association of plasma-soluble ST2 and galectin-3 with cardiovascular events and mortality following cardiac surgery. <i>American Heart Journal</i> , 2020, 220, 253-263.	2.7	10
23	Quality of Care for Acute Kidney Disease: Current Knowledge Gaps and Future Directions. <i>Kidney International Reports</i> , 2020, 5, 1634-1642.	0.8	19
24	Not All Sepsis-Associated Acute Kidney Injury Is the Same. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2020, 15, 1543-1545.	4.5	1
25	COVID-19-associated acute kidney injury: consensus report of the 25th Acute Disease Quality Initiative (ADQI) Workgroup. <i>Nature Reviews Nephrology</i> , 2020, 16, 747-764.	9.6	466
26	Factors Associated With Death in Critically Ill Patients With Coronavirus Disease 2019 in the US. <i>JAMA Internal Medicine</i> , 2020, 180, 1436.	5.1	711
27	Internal and External Validation of a Machine Learning Risk Score for Acute Kidney Injury. <i>JAMA Network Open</i> , 2020, 3, e2012892.	5.9	69
28	Outcomes of critically ill solid organ transplant patients with COVID-19 in the United States. <i>American Journal of Transplantation</i> , 2020, 20, 3061-3071.	4.7	89
29	Case-based discussions in onco-nephrology. <i>Journal of Onco-Nephrology</i> , 2020, 4, 135-144.	0.6	1
30	Subclinical Acute Kidney Injury Is Acute Kidney Injury and Should Not Be Ignored. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 786-787.	5.6	10
31	Identification and validation of biomarkers of persistent acute kidney injury: the RUBY study. <i>Intensive Care Medicine</i> , 2020, 46, 943-953.	8.2	120
32	Controversies in acute kidney injury: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Conference. <i>Kidney International</i> , 2020, 98, 294-309.	5.2	254
33	Fluid Overload and Mortality in Patients with Severe Acute Kidney Injury and Extracorporeal Membrane Oxygenation. <i>Kidney360</i> , 2020, 1, 232-240.	2.1	3
34	Individualized acute kidney injury after care. <i>Current Opinion in Critical Care</i> , 2020, 26, 581-589.	3.2	5
35	Kidney injury is not prevented by hydration alone. <i>European Heart Journal</i> , 2019, 40, 3179-3181.	2.2	2
36	Serial Urinary Tissue Inhibitor of Metalloproteinase-2 and Insulin-Like Growth Factor-Binding Protein 7 and the Prognosis for Acute Kidney Injury over the Course of Critical Illness. <i>CardioRenal Medicine</i> , 2019, 9, 358-369.	1.9	12

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37	Association of T Cell-Derived Inflammatory Cytokines With Acute Kidney Injury and Mortality After Cardiac Surgery. <i>Kidney International Reports</i> , 2019, 4, 1689-1697.	0.8	22
38	Patient-provider communications about pharmacogenomic results increase patient recall of medication changes. <i>Pharmacogenomics Journal</i> , 2019, 19, 528-537.	2.0	12
39	Clinical use of [TIMP-2] and [IGFBP7] biomarker testing to assess risk of acute kidney injury in critical care: guidance from an expert panel. <i>Critical Care</i> , 2019, 23, 225.	5.8	46
40	Quality Improvement Goals for Acute Kidney Injury. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2019, 14, 941-953.	4.5	152
41	The Association of Angiogenesis Markers With Acute Kidney Injury and Mortality After Cardiac Surgery. <i>American Journal of Kidney Diseases</i> , 2019, 74, 36-46.	1.9	38
42	Use of Cell Cycle Arrest Biomarkers in Conjunction With Classical Markers of Acute Kidney Injury. <i>Critical Care Medicine</i> , 2019, 47, e820-e826.	0.9	46
43	Sepsis associated acute kidney injury. <i>BMJ: British Medical Journal</i> , 2019, 364, k4891.	2.3	380
44	Predicting Acute Renal Injury in Cancer Patients Receiving Cisplatin Using Urinary Neutrophil Gelatinase-Associated Lipocalin and Cystatin C. <i>Clinical and Translational Science</i> , 2018, 11, 420-427.	3.1	8
45	The Development of a Machine Learning Inpatient Acute Kidney Injury Prediction Model*. <i>Critical Care Medicine</i> , 2018, 46, 1070-1077.	0.9	214
46	Drug management in acute kidney disease - Report of the Acute Disease Quality Initiative XVI meeting. <i>British Journal of Clinical Pharmacology</i> , 2018, 84, 396-403.	2.4	42
47	The prognostic value of the furosemide stress test in predicting delayed graft function following deceased donor kidney transplantation. <i>Biomarkers</i> , 2018, 23, 61-69.	1.9	27
48	Diagnostic Approach: Differential Diagnosis, Physical Exam, Lab Tests, Imaging, and Novel Biomarkers. , 2018, , 23-42.		0
49	Update on Perioperative Acute Kidney Injury. <i>Anesthesia and Analgesia</i> , 2018, 127, 1236-1245.	2.2	97
50	Cytokine Clearances in Critically Ill Patients on Continuous Renal Replacement Therapy. <i>Blood Purification</i> , 2018, 46, 315-322.	1.8	12
51	Cardiac and Vascular Surgery-Associated Acute Kidney Injury: The 20th International Consensus Conference of the ADQI (Acute Disease Quality Initiative) Group. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	182
52	Acute kidney disease and renal recovery: consensus report of the Acute Disease Quality Initiative (ADQI) 16 Workgroup. <i>Nature Reviews Nephrology</i> , 2017, 13, 241-257.	9.6	946
53	Have biomarkers failed in acute kidney injury? No. <i>Intensive Care Medicine</i> , 2017, 43, 887-889.	8.2	6
54	Use of stress tests in evaluating kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2017, 26, 31-35.	2.0	11

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55	Optimal Role of the Nephrologist in the Intensive Care Unit. <i>Blood Purification</i> , 2017, 43, 68-77.	1.8	31
56	Interleukin-8 and Tumor Necrosis Factor Predict Acute Kidney Injury After Pediatric Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2017, 104, 2072-2079.	1.3	49
57	Biomarkers in acute kidney injury: that's all the story?. <i>Intensive Care Medicine</i> , 2017, 43, 1931-1932.	8.2	0
58	Reconfiguring Health Care Delivery to Improve AKI Outcomes. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 1203-1205.	4.5	2
59	Relationship of Kidney Injury Biomarkers with Long-Term Cardiovascular Outcomes after Cardiac Surgery. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 3699-3707.	6.1	59
60	Proenkephalin (PENK) as a Novel Biomarker for Kidney Function. <i>journal of applied laboratory medicine, The</i> , 2017, 2, 400-412.	1.3	27
61	Urinalysis findings and urinary kidney injury biomarker concentrations. <i>BMC Nephrology</i> , 2017, 18, 218.	1.8	17
62	First Post-Operative Urinary Kidney Injury Biomarkers and Association with the Duration of AKI in the TRIBE-AKI Cohort. <i>PLoS ONE</i> , 2016, 11, e0161098.	2.5	42
63	Risk Stratification for Acute Kidney Injury: Are Biomarkers Enough?. <i>Advances in Chronic Kidney Disease</i> , 2016, 23, 167-178.	1.4	28
64	Development of a Multicenter Ward-Based AKI Prediction Model. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1935-1943.	4.5	88
65	Common chronic conditions do not affect performance of cell cycle arrest biomarkers for risk stratification of acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2016, 31, 1633-1640.	0.7	35
66	Association of Peak Changes in Plasma Cystatin C and Creatinine With Death After Cardiac Operations. <i>Annals of Thoracic Surgery</i> , 2016, 101, 1395-1401.	1.3	4
67	Clinical Use of the Urine Biomarker [TIMP-2]— [IGFBP7] for Acute Kidney Injury Risk Assessment. <i>American Journal of Kidney Diseases</i> , 2016, 68, 19-28.	1.9	172
68	Association of Perioperative Plasma Neutrophil Gelatinase-Associated Lipocalin Levels with 3-Year Mortality after Cardiac Surgery: A Prospective Observational Cohort Study. <i>PLoS ONE</i> , 2015, 10, e0129619.	2.5	17
69	Furosemide Stress Test and Biomarkers for the Prediction of AKI Severity. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2023-2031.	6.1	205
70	Promoting Kidney Function Recovery in Patients with AKI Requiring RRT. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 1859-1867.	4.5	98
71	The Golden Hours of AKI. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 1311-1313.	4.5	2
72	Biomarkers in Acute Kidney Injury. <i>Critical Care Clinics</i> , 2015, 31, 633-648.	2.6	30

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73	Entanglement of Sepsis, Chronic Kidney Disease, and Other Comorbidities in Patients Who Develop Acute Kidney Injury. <i>Seminars in Nephrology</i> , 2015, 35, 23-37.	1.6	13
74	Tissue Inhibitor Metalloproteinase-2 (TIMP-2) & IGF-Binding Protein-7 (IGFBP7) Levels Are Associated with Adverse Long-Term Outcomes in Patients with AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1747-1754.	6.1	196
75	Urine Biomarkers and Perioperative Acute Kidney Injury: The Impact of Preoperative Estimated GFR. <i>American Journal of Kidney Diseases</i> , 2015, 66, 1006-1014.	1.9	16
76	Outpatient Dialysis for Patients with AKI. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 1868-1874.	4.5	24
77	Nephrohepatology: Managing the Nexus of Liver and Kidney Interactions. <i>Advances in Chronic Kidney Disease</i> , 2015, 22, 335-336.	1.4	1
78	Acute Kidney Injury: A Modifiable Risk Factor for Cardiovascular Morbidity and Mortality. <i>American Journal of Nephrology</i> , 2015, 42, 282-284.	3.1	1
79	Preparing for Renal Replacement Therapy in Patients with the Ebola Virus Disease. <i>Blood Purification</i> , 2014, 38, 276-285.	1.8	9
80	Acute Kidney Injury and Mortality following Ventricular Assist Device Implantation. <i>American Journal of Nephrology</i> , 2014, 39, 195-203.	3.1	22
81	Urinary Biomarkers of AKI and Mortality 3 Years after Cardiac Surgery. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1063-1071.	6.1	144
82	Biomarkers for Acute Kidney Injury: Where Are We Today? Where Should We Go?. <i>Clinical Chemistry</i> , 2014, 60, 294-300.	3.2	21
83	Blood transfusions are associated with urinary biomarkers of kidney injury in cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 726-732.	0.8	61
84	The Daily Burden of Acute Kidney Injury: A Survey of US Nephrologists on World Kidney Day. <i>American Journal of Kidney Diseases</i> , 2014, 64, 394-401.	1.9	56
85	Association Between Preoperative Statin Use and Acute Kidney Injury Biomarkers in Cardiac Surgical Procedures. <i>Annals of Thoracic Surgery</i> , 2014, 97, 2081-2087.	1.3	41
86	Validation of Cell-Cycle Arrest Biomarkers for Acute Kidney Injury Using Clinical Adjudication. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 932-939.	5.6	402
87	Discovery and validation of cell cycle arrest biomarkers in human acute kidney injury. <i>Critical Care</i> , 2013, 17, R25.	5.8	969
88	Chemical Analog-to-Digital Signal Conversion Based on Robust Threshold Chemistry and Its Evaluation in the Context of Microfluidics-Based Quantitative Assays. <i>Journal of the American Chemical Society</i> , 2013, 135, 14775-14783.	13.7	20
89	Clinical Utility of Biomarkers of AKI in Cardiac Surgery and Critical Illness. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2013, 8, 1034-1042.	4.5	90
90	Urinary Cystatin C and Acute Kidney Injury After Cardiac Surgery. <i>American Journal of Kidney Diseases</i> , 2013, 61, 730-738.	1.9	45

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91	Differential Diagnosis of AKI in Clinical Practice by Functional and Damage Biomarkers: Workgroup Statements from the Tenth Acute Dialysis Quality Initiative Consensus Conference. <i>Contributions To Nephrology</i> , 2013, 182, 30-44.	1.1	110
92	Human miRNome Profiling Identifies MicroRNAs Differentially Present in the Urine after Kidney Injury. <i>Clinical Chemistry</i> , 2013, 59, 1742-1752.	3.2	107
93	Development and Standardization of a Furosemide Stress Test to Predict the Severity of Acute Kidney Injury. <i>Critical Care</i> , 2013, 17, R207.	5.8	265
94	Preoperative angiotensin-converting enzyme inhibitors and angiotensin receptor blocker use and acute kidney injury in patients undergoing cardiac surgery. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 2787-2799.	0.7	93
95	Performance of Kidney Injury Molecule-1 and Liver Fatty Acid-Binding Protein and Combined Biomarkers of AKI after Cardiac Surgery. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2013, 8, 1079-1088.	4.5	194
96	Compliance with Antibiotic Dosing Guidelines in Critically Ill Patients Receiving Renal Replacement Therapy. <i>Journal of Pharmacy Technology</i> , 2013, 29, 161-169.	1.0	1
97	Association of Postoperative Proteinuria with AKI after Cardiac Surgery among Patients at High Risk. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2012, 7, 1749-1760.	4.5	41
98	Preoperative Serum Brain Natriuretic Peptide and Risk of Acute Kidney Injury After Cardiac Surgery. <i>Circulation</i> , 2012, 125, 1347-1355.	1.6	81
99	Autologous Creatinine Clearance in a Case of Necrotizing Fasciitis and Anuria. <i>American Journal of Nephrology</i> , 2012, 35, 225-229.	3.1	1
100	Serum Cystatin C Versus Creatinine-Based Definitions of Acute Kidney Injury Following Cardiac Surgery: A Prospective Cohort Study. <i>American Journal of Kidney Diseases</i> , 2012, 60, 922-929.	1.9	91
101	Biomarkers Predict Progression of Acute Kidney Injury after Cardiac Surgery. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 905-914.	6.1	244
102	Assessment and Diagnosis of Renal Dysfunction in the ICU. <i>Chest</i> , 2012, 141, 1584-1594.	0.8	26
103	Presurgical Serum Cystatin C and Risk of Acute Kidney Injury After Cardiac Surgery. <i>American Journal of Kidney Diseases</i> , 2011, 58, 366-373.	1.9	75
104	The Outcome of Neutrophil Gelatinase-Associated Lipocalin-Positive Subclinical Acute Kidney Injury. <i>Journal of the American College of Cardiology</i> , 2011, 57, 1752-1761.	2.8	597
105	Urine Cystatin C as a Biomarker of Proximal Tubular Function Immediately after Kidney Transplantation. <i>American Journal of Nephrology</i> , 2011, 33, 407-413.	3.1	36
106	Postoperative Biomarkers Predict Acute Kidney Injury and Poor Outcomes after Adult Cardiac Surgery. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1748-1757.	6.1	575
107	Postoperative Biomarkers Predict Acute Kidney Injury and Poor Outcomes after Pediatric Cardiac Surgery. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1737-1747.	6.1	327
108	Urinary glutathione S-transferases in the pathogenesis and diagnostic evaluation of acute kidney injury following cardiac surgery: a critical review. <i>Current Opinion in Critical Care</i> , 2010, 16, 550-555.	3.2	26

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109	The Effects of Heart Failure on Renal Function. <i>Cardiology Clinics</i> , 2010, 28, 453-465.	2.2	26
110	Mechanical Ventilation and the Kidney. <i>Blood Purification</i> , 2010, 29, 52-68.	1.8	98
111	Urinary Biomarkers in the Clinical Prognosis and Early Detection of Acute Kidney Injury. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010, 5, 2154-2165.	4.5	296
112	Effect of blood pressure lowering on markers of kidney disease progression. <i>Current Hypertension Reports</i> , 2009, 11, 368-374.	3.5	4
113	Antioxidants. <i>Nephron Experimental Nephrology</i> , 2008, 109, e109-e117.	2.2	86
114	Mechanical Ventilation and Lung-Kidney Interactions. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2008, 3, 562-570.	4.5	66
115	Urinary cystatin C as an early biomarker of acute kidney injury following adult cardiothoracic surgery. <i>Kidney International</i> , 2008, 74, 1059-1069.	5.2	320
116	Further characterization and high-resolution mapping of quantitative trait loci for ethanol-induced locomotor activity. <i>Behavior Genetics</i> , 2001, 31, 79-91.	2.1	93
117	Effect of genetic cross on the detection of quantitative trait loci and a novel approach to mapping QTLs. <i>Pharmacology Biochemistry and Behavior</i> , 2000, 67, 767-772.	2.9	33
118	Identification and time dependence of quantitative trait loci for basal locomotor activity in the BXD recombinant inbred series and a B6D2 F2 intercross. <i>Behavior Genetics</i> , 2000, 30, 159-170.	2.1	42
119	Urine sediment exam provides more diagnostic information in AKI than novel urinary biomarkers: CON. <i>Kidney360</i> , 0, , 10.34067/KID.0004582021.	2.1	0
120	Acute Tubular Necrosis. , 0, , 97-109.		0