

# John A Kellum

## List of Publications by Year in descending order

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Version: 2024-02-01

756  
papers

82,552  
citations

643

123  
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517

267  
g-index

778  
all docs

778  
docs citations

778  
times ranked

42267  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Acute renal failure - definition, outcome measures, animal models, fluid therapy and information technology needs: the Second International Consensus Conference of the Acute Dialysis Quality Initiative (ADQI) Group. <i>Critical Care</i> , 2004, 8, R204. | 5.8  | 5,531     |
| 2  | Acute Renal Failure in Critically Ill Patients&lt;SUBTITLE&gt;A Multinational, Multicenter Study&lt;/SUBTITLE&gt;. <i>JAMA - Journal of the American Medical Association</i> , 2005, 294, 813.  | 7.4  | 3,514     |
| 3  | A Randomized Trial of Protocol-Based Care for Early Septic Shock. <i>New England Journal of Medicine</i> , 2014, 370, 1683-1693.  | 27.0 | 2,021     |
| 4  | Epidemiology of acute kidney injury in critically ill patients: the multinational AKI-EPI study. <i>Intensive Care Medicine</i> , 2015, 41, 1411-1423.  | 8.2  | 1,838     |
| 5  | Diagnosis, evaluation, and management of acute kidney injury: a KDIGO summary (Part 1). <i>Critical Care</i> , 2013, 17, 204.   | 5.8  | 1,724     |
| 6  | Intensity of Renal Support in Critically Ill Patients with Acute Kidney Injury. <i>New England Journal of Medicine</i> , 2008, 359, 7-20.   | 27.0 | 1,611     |
| 7  | Acute kidney injury. <i>Lancet, The</i> , 2012, 380, 756-766.   | 13.7 | 1,574     |
| 8  | Findings of the First Consensus Conference on Medical Emergency Teams*. <i>Critical Care Medicine</i> , 2006, 34, 2463-2478.  | 0.9  | 1,252     |
| 9  | RIFLE criteria for acute kidney injury are associated with hospital mortality in critically ill patients: a cohort analysis. <i>Critical Care</i> , 2006, 10, R73.  | 5.8  | 1,246     |
| 10 | Continuous renal replacement therapy: A worldwide practice survey. <i>Intensive Care Medicine</i> , 2007, 33, 1563-1570.  | 8.2  | 1,020     |
| 11 | Discovery and validation of cell cycle arrest biomarkers in human acute kidney injury. <i>Critical Care</i> , 2013, 17, R25.  | 5.8  | 969       |
| 12 | Acute kidney injury. <i>Lancet, The</i> , 2019, 394, 1949-1964.   | 13.7 | 950       |
| 13 | 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       |
| 14 | Timing of renal replacement therapy and clinical outcomes in critically ill patients with severe acute kidney injury. <i>Journal of Critical Care</i> , 2009, 24, 129-140.  | 2.2  | 820       |
| 15 | Effect of Early vs Delayed Initiation of Renal Replacement Therapy on Mortality in Critically Ill Patients With Acute Kidney Injury. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 2190.   | 7.4  | 819       |
| 16 | Derivation, Validation, and Potential Treatment Implications of Novel Clinical Phenotypes for Sepsis. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 2003.  | 7.4  | 753       |
| 17 | Acute kidney injury: an increasing global concern. <i>Lancet, The</i> , 2013, 382, 170-179.   | 13.7 | 752       |
| 18 | Hemoadsorption removes tumor necrosis factor, interleukin-6, and interleukin-10, reduces nuclear factor- $\kappa$ B DNA binding, and improves short-term survival in lethal endotoxemia*. <i>Critical Care Medicine</i> , 2004, 32, 801-805.                  | 0.9  | 709       |

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|----|---|------|-----------|
| 19 | Global epidemiology and outcomes of acute kidney injury. <i>Nature Reviews Nephrology</i> , 2018, 14, 607-625.  | 9.6  | 698       |
| 20 | Understanding the Inflammatory Cytokine Response in Pneumonia and Sepsis. <i>Archives of Internal Medicine</i> , 2007, 167, 1655.   | 3.8  | 664       |
| 21 | Septic Acute Kidney Injury in Critically Ill Patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2007, 2, 431-439.   | 4.5  | 664       |
| 22 | Use of dopamine in acute renal failure: A meta-analysis. <i>Critical Care Medicine</i> , 2001, 29, 1526-1531.   | 0.9  | 650       |
| 23 | Acute kidney injury from sepsis: current concepts, epidemiology, pathophysiology, prevention and treatment. <i>Kidney International</i> , 2019, 96, 1083-1099.                            | 5.2  | 649       |
| 24 | A Unified Theory of Sepsis-Induced Acute Kidney Injury. <i>Shock</i> , 2014, 41, 3-11.  | 2.1  | 602       |
| 25 | PEBP1 Wardens Ferroptosis by Enabling Lipoxygenase Generation of Lipid Death Signals. <i>Cell</i> , 2017, 171, 628-641.e26.   | 28.9 | 589       |
| 26 | Major Complications, Mortality, and Resource Utilization After Open Abdominal Surgery. <i>Annals of Surgery</i> , 2012, 255, 821-829.   | 4.2  | 569       |
| 27 | Acute kidney injury. <i>Nature Reviews Disease Primers</i> , 2021, 7, 52.   | 30.5 | 509       |
| 28 | Acute kidney injury in sepsis. <i>Intensive Care Medicine</i> , 2017, 43, 816-828.  | 8.2  | 490       |
| 29 | 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       |
| 30 | The Endothelium in Sepsis. <i>Shock</i> , 2016, 45, 259-270.  | 2.1  | 453       |
| 31 | Initial pH, base deficit, lactate, anion gap, strong ion difference, and strong ion gap predict outcome from major vascular injury*. <i>Critical Care Medicine</i> , 2004, 32, 1120-1124. | 0.9  | 417       |
| 32 | Early, Goal-Directed Therapy for Septic Shock â€” A Patient-Level Meta-Analysis. <i>New England Journal of Medicine</i> , 2017, 376, 2223-2234.   | 27.0 | 416       |
| 33 | Inflammation in AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 371-379.  | 6.1  | 409       |
| 34 | AKI in the ICU: definition, epidemiology, risk stratification, and outcomes. <i>Kidney International</i> , 2012, 81, 819-825.   | 5.2  | 403       |
| 35 | 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       |
| 36 | Classifying AKI by Urine Output versus Serum Creatinine Level. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2231-2238.  | 6.1  | 398       |

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|----|---|------|-----------|
| 37 | Defining and classifying acute renal failure: from advocacy to consensus and validation of the RIFLE criteria. <i>Intensive Care Medicine</i> , 2007, 33, 409-413.                            | 8.2  | 388       |
| 38 | Developing a consensus classification system for acute renal failure. <i>Current Opinion in Critical Care</i> , 2002, 8, 509-514.   | 3.2  | 384       |
| 39 | Inflammatory Markers at Hospital Discharge Predict Subsequent Mortality after Pneumonia and Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 1242-1247. | 5.6  | 369       |
| 40 | Strong ion gap: A methodology for exploring unexplained anions. <i>Journal of Critical Care</i> , 1995, 10, 51-55.  | 2.2  | 360       |
| 41 | Working Party proposal for a revised classification system of renal dysfunction in patients with cirrhosis. <i>Gut</i> , 2011, 60, 702-709.   | 12.1 | 359       |
| 42 | Continuous versus intermittent renal replacement therapy: a meta-analysis. <i>Intensive Care Medicine</i> , 2002, 28, 29-37.  | 8.2  | 351       |
| 43 | Progression after AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 687-697.  | 6.1  | 351       |
| 44 | Determinants of blood pH in health and disease. <i>Critical Care</i> , 2000, 4, 6.  | 5.8  | 346       |
| 45 | Diuretics and mortality in acute renal failure*. <i>Critical Care Medicine</i> , 2004, 32, 1669-1677.   | 0.9  | 346       |
| 46 | Urinary TIMP-2 and IGFBP7 as Early Biomarkers of Acute Kidney Injury and Renal Recovery following Cardiac Surgery. <i>PLoS ONE</i> , 2014, 9, e93460.   | 2.5  | 345       |
| 47 | Perioperative Quality Initiative consensus statement on intraoperative blood pressure, risk and outcomes for elective surgery. <i>British Journal of Anaesthesia</i> , 2019, 122, 563-574.    | 3.4  | 342       |
| 48 | Acute kidney injury: what's the prognosis?. <i>Nature Reviews Nephrology</i> , 2011, 7, 209-217.  | 9.6  | 335       |
| 49 | Recommendations on Acute Kidney Injury Biomarkers From the Acute Disease Quality Initiative Consensus Conference. <i>JAMA Network Open</i> , 2020, 3, e2019209.                               | 5.9  | 335       |
| 50 | Acute kidney injury in non-severe pneumonia is associated with an increased immune response and lower survival. <i>Kidney International</i> , 2010, 77, 527-535.                              | 5.2  | 330       |
| 51 | Effect of Remote Ischemic Preconditioning on Kidney Injury Among High-Risk Patients Undergoing Cardiac Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 2133.  | 7.4  | 330       |
| 52 | Costs and outcomes of acute kidney injury (AKI) following cardiac surgery. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 1970-1974.  | 0.7  | 327       |
| 53 | Defining acute renal failure: physiological principles. <i>Intensive Care Medicine</i> , 2004, 30, 33-37.   | 8.2  | 321       |
| 54 | A systematic review and meta-analysis of early goal-directed therapy for septic shock: the ARISE, ProCESS and ProMISe Investigators. <i>Intensive Care Medicine</i> , 2015, 41, 1549-1560.    | 8.2  | 321       |

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|----|--|------|-----------|
| 55 | Recovery after Acute Kidney Injury. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 784-791.  | 5.6  | 309       |
| 56 | Procalcitonin-Guided Use of Antibiotics for Lower Respiratory Tract Infection. New England Journal of Medicine, 2018, 379, 236-249.  | 27.0 | 304       |
| 57 | Lactate versus non-lactate metabolic acidosis: a retrospective outcome evaluation of critically ill patients. Critical Care, 2006, 10, R22.  | 5.8  | 297       |
| 58 | Sepsis-induced acute kidney injury revisited. Current Opinion in Critical Care, 2014, 20, 588-595.   | 3.2  | 271       |
| 59 | Paradigms of acute kidney injury in the intensive care setting. Nature Reviews Nephrology, 2018, 14, 217-230.  | 9.6  | 266       |
| 60 | Controversies in acute kidney injury: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Conference. Kidney International, 2020, 98, 294-309.  | 5.2  | 254       |
| 61 | Bench-to-bedside review: Chloride in critical illness. Critical Care, 2010, 14, 226.   | 5.8  | 252       |
| 62 | Four phases of intravenous fluid therapy: a conceptual model. British Journal of Anaesthesia, 2014, 113, 740-747.  | 3.4  | 251       |
| 63 | Management of the critically ill patient with cirrhosis: A multidisciplinary perspective. Journal of Hepatology, 2016, 64, 717-735.  | 3.7  | 243       |
| 64 | Clinical Decision Support for In-Hospital AKI. Journal of the American Society of Nephrology: JASN, 2018, 29, 654-660.   | 6.1  | 234       |
| 65 | Derivation and validation of cutoffs for clinical use of cell cycle arrest biomarkers. Nephrology Dialysis Transplantation, 2014, 29, 2054-2061.   | 0.7  | 232       |
| 66 | Fluid resuscitation and hyperchloremic acidosis in experimental sepsis: Improved short-term survival and acid-base balance with Hextend compared with saline. Critical Care Medicine, 2002, 30, 300-305. | 0.9  | 231       |
| 67 | The effect of a novel extracorporeal cytokine hemoabsorption device on IL-6 elimination in septic patients: A randomized controlled trial. PLoS ONE, 2017, 12, e0187015.                                 | 2.5  | 227       |
| 68 | Simultaneous Liver&#x2014;Kidney Transplantation Summit: Current State and Future Directions. American Journal of Transplantation, 2012, 12, 2901-2908.  | 4.7  | 225       |
| 69 | Improving Outcomes From Acute Kidney Injury: Report of an Initiative. American Journal of Kidney Diseases, 2007, 50, 1-4.  | 1.9  | 222       |
| 70 | Sepsis-induced acute kidney injury. Current Opinion in Critical Care, 2016, 22, 546-553.   | 3.2  | 213       |
| 71 | Circulating high-mobility group box 1 (HMGB1) concentrations are elevated in both uncomplicated pneumonia and pneumonia with severe sepsis*. Critical Care Medicine, 2007, 35, 1061-1067.                | 0.9  | 209       |
| 72 | A comparison of observed versus estimated baseline creatinine for determination of RIFLE class in patients with acute kidney injury. Nephrology Dialysis Transplantation, 2009, 24, 2739-2744.           | 0.7  | 207       |

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|----|--|-----|-----------|
| 73 | Discontinuation of continuous renal replacement therapy: A post hoc analysis of a prospective multicenter observational study*. Critical Care Medicine, 2009, 37, 2576-2582.   | 0.9 | 207       |
| 74 | A comparison of three methods to estimate baseline creatinine for RIFLE classification. Nephrology Dialysis Transplantation, 2010, 25, 3911-3918.  | 0.7 | 206       |
| 75 | Clinical review: Blood purification for sepsis. Critical Care, 2011, 15, 205.  | 5.8 | 206       |
| 76 | Science review: extracellular acidosis and the immune response: clinical and physiologic implications. Critical Care, 2004, 8, 331.  | 5.8 | 203       |
| 77 | Acute kidney injury following orthotopic liver transplantation: incidence, risk factors, and effects on patient and graft outcomes. British Journal of Anaesthesia, 2015, 114, 919-926.  | 3.4 | 199       |
| 78 | Diffusive vs. convective therapy. Critical Care Medicine, 1998, 26, 1995-2000.   | 0.9 | 197       |
| 79 | Risk Prediction With Procalcitonin and Clinical Rules in Community-Acquired Pneumonia. Annals of Emergency Medicine, 2008, 52, 48-58.e2.   | 0.6 | 196       |
| 80 | Tissue Inhibitor Metalloproteinase-2 (TIMP-2)â€¦IGF-Binding Protein-7 (IGFBP7) Levels Are Associated with Adverse Long-Term Outcomes in Patients with AKI. Journal of the American Society of Nephrology: JASN, 2015, 26, 1747-1754. | 6.1 | 196       |
| 81 | Acute renal failure: time for consensus. Intensive Care Medicine, 2001, 27, 1685-1688.   | 8.2 | 195       |
| 82 | Subclinical AKIâ€”an emerging syndrome with important consequences. Nature Reviews Nephrology, 2012, 8, 735-739.   | 9.6 | 195       |
| 83 | Hyperchloremic Acidosis Increases Circulating Inflammatory Molecules in Experimental Sepsis. Chest, 2006, 130, 962-967.  | 0.8 | 190       |
| 84 | Effects of Hyperchloremic Acidosis on Arterial Pressure and Circulating Inflammatory Molecules in Experimental Sepsis. Chest, 2004, 125, 243-248.  | 0.8 | 189       |
| 85 | Oliguria as predictive biomarker of acute kidney injury in critically ill patients. Critical Care, 2011, 15, R172.   | 5.8 | 185       |
| 86 | The Effects of Alternative Resuscitation Strategies on Acute Kidney Injury in Patients with Septic Shock. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 281-287.  | 5.6 | 184       |
| 87 | Cardiac and Vascular Surgeryâ€”Associated Acute Kidney Injury: The 20th International Consensus Conference of the ADQI (Acute Disease Quality Initiative) Group. Journal of the American Heart Association, 2018, 7, .               | 3.7 | 182       |
| 88 | Acute kidney injury. Critical Care Medicine, 2008, 36, S141-S145.  | 0.9 | 180       |
| 89 | Lactic and hydrochloric acids induce different patterns of inflammatory response in LPS-stimulated RAW 264.7 cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R686-R692.        | 1.8 | 178       |
| 90 | ETIOLOGY OF METABOLIC ACIDOSIS DURING SALINE RESUSCITATION IN ENDOTOXEMIA. Shock, 1998, 9, 364-368.  | 2.1 | 177       |

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|-----|---|-----|-----------|
| 91  | Subclinical AKI is still AKI. <i>Critical Care</i> , 2012, 16, 313.   | 5.8 | 171       |
| 92  | Blood Purification and Mortality in Sepsis. <i>Critical Care Medicine</i> , 2013, 41, 2209-2220.  | 0.9 | 167       |
| 93  | The first international consensus conference on continuous renal replacement therapy. <i>Kidney International</i> , 2002, 62, 1855-1863.  | 5.2 | 166       |
| 94  | Acute kidney injury: epidemiology and diagnostic criteria. <i>Current Opinion in Critical Care</i> , 2006, 12, 531-537.   | 3.2 | 166       |
| 95  | In vitro comparison of the adsorption of inflammatory mediators by blood purification devices. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 12.   | 1.9 | 165       |
| 96  | Metabolic acidosis in patients with severe sepsis and septic shock: A longitudinal quantitative study. <i>Critical Care Medicine</i> , 2009, 37, 2733-2739.   | 0.9 | 162       |
| 97  | Lung-kidney interactions in critically ill patients: consensus report of the Acute Disease Quality Initiative (ADQI) 21 Workgroup. <i>Intensive Care Medicine</i> , 2020, 46, 654-672.                            | 8.2 | 161       |
| 98  | Cellular and Molecular Mechanisms of AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1288-1299.   | 6.1 | 160       |
| 99  | Contrast-induced acute kidney injury and renal support for acute kidney injury: a KDIGO summary (Part 1). <i>Clinical Journal of the American Society of Nephrology</i> , 2014, 5, 158-165.                       | 5.8 | 158       |
| 100 | Renal replacement therapy in acute kidney injury: controversy and consensus. <i>Critical Care</i> , 2015, 19, 146.  | 5.8 | 157       |
| 101 | Harmonizing acute and chronic kidney disease definition and classification: report of a Kidney Disease: Improving Global Outcomes (KDIGO) Consensus Conference. <i>Kidney International</i> , 2021, 100, 516-526. | 5.2 | 156       |
| 102 | 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       |
| 103 | Interleukin-6. <i>Critical Care Medicine</i> , 2005, 33, S463-S465.   | 0.9 | 150       |
| 104 | Severe Sepsis in Community-Acquired Pneumonia. <i>Chest</i> , 2006, 129, 968-978.   | 0.8 | 149       |
| 105 | Oliguria, volume overload, and loop diuretics. <i>Critical Care Medicine</i> , 2008, 36, S172-S178.   | 0.9 | 146       |
| 106 | Clinical review: reunification of acid-base physiology. <i>Critical Care</i> , 2005, 9, 500.  | 5.8 | 145       |
| 107 | Hepatorenal syndrome: the 8th international consensus conference of the Acute Dialysis Quality Initiative (ADQI) group. <i>Critical Care</i> , 2012, 16, R23.   | 5.8 | 145       |
| 108 | Mechanisms of Organ Dysfunction in Sepsis. <i>Critical Care Clinics</i> , 2018, 34, 63-80.  | 2.6 | 145       |

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|-----|---|------|-----------|
| 109 | Effect of Regional Citrate Anticoagulation vs Systemic Heparin Anticoagulation During Continuous Kidney Replacement Therapy on Dialysis Filter Life Span and Mortality Among Critically Ill Patients With Acute Kidney Injury. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 1629. | 7.4  | 145       |
| 110 | Risk Factors for Acute Kidney Injury in Older Adults With Critical Illness: A Retrospective Cohort Study. <i>American Journal of Kidney Diseases</i> , 2015, 65, 860-869.   | 1.9  | 143       |
| 111 | Mitochondrial Function in Sepsis. <i>Shock</i> , 2016, 45, 271-281.   | 2.1  | 142       |
| 112 | Effects of hemoadsorption on cytokine removal and short-term survival in septic rats. <i>Critical Care Medicine</i> , 2008, 36, 1573-1577.  | 0.9  | 140       |
| 113 | Urinary Biomarkers and Renal Recovery in Critically Ill Patients with Renal Support. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011, 6, 1815-1823.   | 4.5  | 140       |
| 114 | External validation of severity scoring systems for acute renal failure using a multinational database. <i>Critical Care Medicine</i> , 2005, 33, 1961-1967.  | 0.9  | 138       |
| 115 | Clinical review: Anticoagulation for continuous renal replacement therapy - heparin or citrate?. <i>Critical Care</i> , 2010, 15, 202.  | 5.8  | 136       |
| 116 | Redefining critical illness. <i>Nature Medicine</i> , 2022, 28, 1141-1148.  | 30.7 | 136       |
| 117 | Pathophysiology of the Cardiorenal Syndromes: Executive Summary from the Eleventh Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). <i>Contributions To Nephrology</i> , 2013, 182, 82-98.  | 1.1  | 135       |
| 118 | Metabolic acidosis in patients with severe sepsis and septic shock: A longitudinal quantitative study. <i>Critical Care Medicine</i> , 2009, 37, 2733-2739.   | 0.9  | 133       |
| 119 | Patient Selection and Timing of Continuous Renal Replacement Therapy. <i>Blood Purification</i> , 2016, 42, 224-237.  | 1.8  | 129       |
| 120 | Renal perfusion in sepsis: from macro- to microcirculation. <i>Kidney International</i> , 2017, 91, 45-60.  | 5.2  | 129       |
| 121 | Risk factors for acute renal failure: inherent and modifiable risks. <i>Current Opinion in Critical Care</i> , 2005, 11, 533-536.   | 3.2  | 128       |
| 122 | Plasma neutrophil gelatinase-associated lipocalin predicts recovery from acute kidney injury following community-acquired pneumonia. <i>Kidney International</i> , 2011, 80, 545-552.   | 5.2  | 128       |
| 123 | Effect of Human Recombinant Alkaline Phosphatase on 7-Day Creatinine Clearance in Patients With Sepsis-Associated Acute Kidney Injury. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 1998.   | 7.4  | 127       |
| 124 | Perioperative Quality Initiative consensus statement on preoperative blood pressure, risk and outcomes for elective surgery. <i>British Journal of Anaesthesia</i> , 2019, 122, 552-562.  | 3.4  | 127       |
| 125 | Immune Cell Phenotype and Function in Sepsis. <i>Shock</i> , 2016, 45, 282-291.   | 2.1  | 126       |
| 126 | Mitochondria ROS and mitophagy in acute kidney injury. <i>Autophagy</i> , 2023, 19, 401-414.  | 9.1  | 126       |



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|-----|--|-----|-----------|
| 127 | Nomenclature for renal replacement therapy in acute kidney injury: basic principles. <i>Critical Care</i> , 2016, 20, 318.   | 5.8 | 125       |
| 128 | Release of Lactate by the Lung in Acute Lung Injury. <i>Chest</i> , 1997, 111, 1301-1305.  | 0.8 | 124       |
| 129 | Definition and Classification of Acute Kidney Injury. <i>Nephron Clinical Practice</i> , 2008, 109, c182-c187.   | 2.3 | 123       |
| 130 | Midregional Proadrenomedullin as a Prognostic Tool in Community-Acquired Pneumonia. <i>Chest</i> , 2009, 136, 823-831.   | 0.8 | 123       |
| 131 | RIFLE criteria provide robust assessment of kidney dysfunction and correlate with hospital mortality*. <i>Critical Care Medicine</i> , 2006, 34, 2016-2017.  | 0.9 | 122       |
| 132 | Cost of acute renal replacement therapy in the intensive care unit: results from The Beginning and Ending Supportive Therapy for the Kidney (BEST Kidney) Study. <i>Critical Care</i> , 2010, 14, R46.   | 5.8 | 122       |
| 133 | Evidence That Glutathione Depletion Is a Mechanism Responsible for the Anti-Inflammatory Effects of Ethyl Pyruvate in Cultured Lipopolysaccharide-Stimulated RAW 264.7 Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 307-316. | 2.5 | 121       |
| 134 | Intravenous fluid resuscitation is associated with septic endothelial glycocalyx degradation. <i>Critical Care</i> , 2019, 23, 259.  | 5.8 | 121       |
| 135 | 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       |
| 136 | Dosing patterns for continuous renal replacement therapy at a large academic medical center in the United States. <i>Journal of Critical Care</i> , 2002, 17, 246-250.   | 2.2 | 119       |
| 137 | Evaluation and Initial Management of Acute Kidney Injury. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2008, 3, 962-967.   | 4.5 | 118       |
| 138 | Understanding the potential role of statins in pneumonia and sepsis*. <i>Critical Care Medicine</i> , 2011, 39, 1871-1878.   | 0.9 | 118       |
| 139 | Cell-cycle arrest and acute kidney injury: the light and the dark sides. <i>Nephrology Dialysis Transplantation</i> , 2016, 31, 16-22.   | 0.7 | 118       |
| 140 | Saline-induced hyperchloremic metabolic acidosis. <i>Critical Care Medicine</i> , 2002, 30, 259-261.   | 0.9 | 118       |
| 141 | Increased plasma interleukin-6 in donors is associated with lower recipient hospital-free survival after cadaveric organ transplantation*. <i>Critical Care Medicine</i> , 2008, 36, 1810-1816.  | 0.9 | 117       |
| 142 | Modern Classification of Acute Kidney Injury. <i>Blood Purification</i> , 2010, 29, 300-307.   | 1.8 | 116       |
| 143 | Defining Acute Renal Failure: The RIFLE Criteria. <i>Journal of Intensive Care Medicine</i> , 2007, 22, 187-193.   | 2.8 | 115       |
| 144 | Urinary Biomarkers TIMP-2 and IGFBP7 Early Predict Acute Kidney Injury after Major Surgery. <i>PLoS ONE</i> , 2015, 10, e0120863.  | 2.5 | 115       |

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|-----|---|------|-----------|
| 145 | Prevention of Cardiac Surgery–Associated Acute Kidney Injury by Implementing the KDIGO Guidelines in High-Risk Patients Identified by Biomarkers: The PrevAKI-Multicenter Randomized Controlled Trial. <i>Anesthesia and Analgesia</i> , 2021, 133, 292-302.        | 2.2  | 115       |
| 146 | Metabolic reprogramming and tolerance during sepsis-induced AKI. <i>Nature Reviews Nephrology</i> , 2017, 13, 143-151.  | 9.6  | 113       |
| 147 | Improving outcomes of acute kidney injury: report of an initiative. <i>Nature Clinical Practice Nephrology</i> , 2007, 3, 439-442.  | 2.0  | 112       |
| 148 | Acute kidney injury. <i>Current Opinion in Critical Care</i> , 2011, 17, 548-555.   | 3.2  | 112       |
| 149 | Prevalence and Significance of Coagulation Abnormalities in Community-Acquired Pneumonia. <i>Molecular Medicine</i> , 2009, 15, 438-445.  | 4.4  | 111       |
| 150 | Disorders of acid-base balance. <i>Critical Care Medicine</i> , 2007, 35, 2630-2636.  | 0.9  | 110       |
| 151 | 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       |
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