

Michael Heung

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

5,051
citations

29
h-index

70
g-index

121
ext. papers

6,280
ext. citations

4.6
avg, IF

5.15
L-index

#	Paper	IF	Citations
99	Development and validation of an acute kidney injury risk index for patients undergoing general surgery: results from a national data set. <i>Anesthesiology</i> , 2009 , 110, 505-15	4.3	387
98	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, 932-9	10.2	326
97	Acute Kidney Injury Recovery Pattern and Subsequent Risk of CKD: An Analysis of Veterans Health Administration Data. <i>American Journal of Kidney Diseases</i> , 2016 , 67, 742-52	7.4	181
96	Fluid overload at initiation of renal replacement therapy is associated with lack of renal recovery in patients with acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 956-61	4.3	145
95	Validation of the KDIGO acute kidney injury criteria in a pediatric critical care population. <i>Intensive Care Medicine</i> , 2014 , 40, 1481-8	14.5	142
94	Fluid overload and fluid removal in pediatric patients on extracorporeal membrane oxygenation requiring continuous renal replacement therapy. <i>Critical Care Medicine</i> , 2012 , 40, 2694-9	1.4	138
93	Weight-based determination of fluid overload status and mortality in pediatric intensive care unit patients requiring continuous renal replacement therapy. <i>Intensive Care Medicine</i> , 2011 , 37, 1166-73	14.5	133
92	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	7.4	119
91	Quality Improvement Goals for Acute Kidney Injury. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2019 , 14, 941-953	6.9	88
90	Daptomycin pharmacokinetics in critically ill patients receiving continuous venovenous hemodialysis. <i>Critical Care Medicine</i> , 2011 , 39, 19-25	1.4	71
89	Promoting Kidney Function Recovery in Patients with AKI Requiring RRT. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015 , 10, 1859-67	6.9	66
88	Predicting progression to chronic kidney disease after recovery from acute kidney injury. <i>Current Opinion in Nephrology and Hypertension</i> , 2012 , 21, 628-34	3.5	59
87	A Randomized Crossover Trial of Dietary Sodium Restriction in Stage 3-4 CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017 , 12, 399-407	6.9	50
86	Vulnerable populations and the association between periodontal and chronic kidney disease. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011 , 6, 711-7	6.9	49
85	Identification and validation of biomarkers of persistent acute kidney injury: the RUBY study. <i>Intensive Care Medicine</i> , 2020 , 46, 943-953	14.5	47
84	Exploring Potential Reasons for the Temporal Trend in Dialysis-Requiring AKI in the United States. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016 , 11, 14-20	6.9	47
83	Acute kidney injury: gateway to chronic kidney disease. <i>Nephron Clinical Practice</i> , 2014 , 127, 30-4		42

82	Preoperative Risk and the Association between Hypotension and Postoperative Acute Kidney Injury. <i>Anesthesiology</i> , 2020 , 132, 461-475	4.3	40
81	Association between acute kidney injury and in-hospital mortality in patients undergoing percutaneous coronary interventions. <i>Circulation: Cardiovascular Interventions</i> , 2015 , 8, e002212	6	37
80	Pharmacokinetics of oseltamivir and oseltamivir carboxylate in critically ill patients receiving continuous venovenous hemodialysis and/or extracorporeal membrane oxygenation. <i>Pharmacotherapy</i> , 2012 , 32, 1061-9	5.8	33
79	Single-dose daptomycin pharmacokinetics in chronic haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 1279-84	4.3	32
78	Intradialytic administration of daptomycin in end stage renal disease patients on hemodialysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2009 , 4, 1190-4	6.9	32
77	Choice of Estimated Glomerular Filtration Rate Equation Impacts Drug-Dosing Recommendations and Risk Stratification in Patients With Chronic Kidney Disease Undergoing Percutaneous Coronary Interventions. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 2714-23	15.1	31
76	Improving delivery of continuous renal replacement therapy: impact of a simulation-based educational intervention. <i>Pediatric Critical Care Medicine</i> , 2013 , 14, 747-54	3	31
75	A successful approach to fall prevention in an outpatient hemodialysis center. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010 , 5, 1775-9	6.9	29
74	Pharmacokinetics of ertapenem in critically ill patients receiving continuous venovenous hemodialysis or hemodiafiltration. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 1320-6	5.9	28
73	Poor accordance to a DASH dietary pattern is associated with higher risk of ESRD among adults with moderate chronic kidney disease and hypertension. <i>Kidney International</i> , 2019 , 95, 1433-1442	9.9	27
72	Quantitative lung ultrasound comet measurement: method and initial clinical results. <i>Blood Purification</i> , 2015 , 39, 37-44	3.1	26
71	Extending the benefits of early mobility to critically ill patients undergoing continuous renal replacement therapy: the Michigan experience. <i>Critical Care Nursing Quarterly</i> , 2013 , 36, 89-100	2	26
70	Kinetic estimated glomerular filtration rate and acute kidney injury in cardiac surgery patients. <i>Journal of Critical Care</i> , 2016 , 31, 249-54	4	25
69	Implications of different fluid overload definitions in pediatric stem cell transplant patients requiring continuous renal replacement therapy. <i>Intensive Care Medicine</i> , 2012 , 38, 663-9	14.5	25
68	Optimal Role of the Nephrologist in the Intensive Care Unit. <i>Blood Purification</i> , 2017 , 43, 68-77	3.1	24
67	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, 1633-40	4.3	24
66	PATHOPHYSIOLOGY AND MANAGEMENT OF HYPOGLYCEMIA IN END-STAGE RENAL DISEASE PATIENTS: A REVIEW. <i>Endocrine Practice</i> , 2017 , 23, 353-362	3.2	23
65	Impact of Ultrafiltration on Kidney Injury After Cardiac Surgery: The Michigan Experience. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 1683-8	2.7	23

64	Predictors of post-hospitalization recovery of renal function among patients with acute kidney injury requiring dialysis. <i>Hemodialysis International</i> , 2018 , 22, 66-73	1.7	23
63	Carbamazepine and the active epoxide metabolite are effectively cleared by hemodialysis followed by continuous venovenous hemodialysis in an acute overdose. <i>Hemodialysis International</i> , 2011 , 15, 412-5	1.7	21
62	Renal Replacement Therapy in Acute Kidney Injury: Controversies and Consensus. <i>Critical Care Clinics</i> , 2017 , 33, 365-378	4.5	20
61	Effect of hyperchloremia on acute kidney injury in critically ill septic patients: a retrospective cohort study. <i>BMC Nephrology</i> , 2017 , 18, 346	2.7	20
60	Outpatient Dialysis for Patients with AKI: A Policy Approach to Improving Care. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015 , 10, 1868-74	6.9	19
59	The use of cell cycle arrest biomarkers in the early detection of acute kidney injury. Is this the new renal troponin?. <i>Nefrologia</i> , 2018 , 38, 361-367	1.5	18
58	CKD Awareness Among US Adults by Future Risk of Kidney Failure. <i>American Journal of Kidney Diseases</i> , 2020 , 76, 174-183	7.4	17
57	Central line-associated bloodstream infections in non-ICU inpatient wards: a 2-year analysis. <i>Infection Control and Hospital Epidemiology</i> , 2015 , 36, 424-30	2	14
56	In vitro glucose kinetics during continuous renal replacement therapy: implications for caloric balance in critically ill patients. <i>International Journal of Artificial Organs</i> , 2013 , 36, 861-8	1.9	14
55	Nadir Hematocrit on Bypass and Rates of Acute Kidney Injury: Does Sex Matter?. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 1549-54; discussion 1554-5	2.7	11
54	CRRTnet: a prospective, multi-national, observational study of continuous renal replacement therapy practices. <i>BMC Nephrology</i> , 2017 , 18, 222	2.7	11
53	Complications and adequacy of transplant kidney biopsies: A comparison of techniques. <i>Journal of Vascular Access</i> , 2018 , 19, 291-296	1.8	11
52	Outcomes of Acute Kidney Injury in Patients With Severe ARDS Due to Influenza A(H1N1) pdm09 Virus. <i>American Journal of Critical Care</i> , 2018 , 27, 67-73	1.7	11
51	Obstetric Deliveries in US Women With ESKD: 2002-2015. <i>American Journal of Kidney Diseases</i> , 2020 , 75, 762-771	7.4	11
50	Fluid as a Drug: Balancing Resuscitation and Fluid Overload in the Intensive Care Setting. <i>Advances in Chronic Kidney Disease</i> , 2016 , 23, 152-9	4.7	11
49	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	4.8	10
48	A Contemporary Assessment of Mechanical Complication Rates and Trainee Perceptions of Central Venous Catheter Insertion. <i>Journal of Hospital Medicine</i> , 2017 , 12, 646-651	2.7	10
47	Genetic variants and acute kidney injury: A review of the literature. <i>Journal of Critical Care</i> , 2018 , 44, 203-211	4	10

46	Hospital Variation in Renal Replacement Therapy for Sepsis in the United States. <i>Critical Care Medicine</i> , 2018 , 46, e158-e165	1.4	9
45	Abrupt Decline in Kidney Function Precipitating Initiation of Chronic Renal Replacement Therapy. <i>Kidney International Reports</i> , 2018 , 3, 602-609	4.1	8
44	Applying lean principles to continuous renal replacement therapy processes. <i>American Journal of Health-System Pharmacy</i> , 2015 , 72, 218-23	2.2	8
43	Continuous quality improvement in nephrology: a systematic review. <i>BMC Nephrology</i> , 2016 , 17, 190	2.7	7
42	Preparing for renal replacement therapy in patients with the Ebola virus disease. <i>Blood Purification</i> , 2014 , 38, 276-85	3.1	7
41	Precision Medicine in Acute Kidney Injury: A Promising Future?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 814-816	10.2	7
40	Prevalence of Chronic Kidney Disease Among Black Individuals in the US After Removal of the Black Race Coefficient From a Glomerular Filtration Rate Estimating Equation. <i>JAMA Network Open</i> , 2021 , 4, e2035636	10.4	7
39	Safety of arteriovenous fistulae and grafts for continuous renal replacement therapy: The Michigan experience. <i>Hemodialysis International</i> , 2018 , 22, 50-55	1.7	6
38	Large-Scale Variability of Inpatient Tacrolimus Therapeutic Drug Monitoring at an Academic Transplant Center: A Retrospective Study. <i>Therapeutic Drug Monitoring</i> , 2018 , 40, 394-400	3.2	6
37	The Association Between Urine Output, Creatinine Elevation, and Death. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1229-1237	2.7	6
36	Quality of Care for Acute Kidney Disease: Current Knowledge Gaps and Future Directions. <i>Kidney International Reports</i> , 2020 , 5, 1634-1642	4.1	6
35	Cramping, crashing, cannulating, and clotting: a qualitative study of patients' definitions of a "bad run" on hemodialysis. <i>BMC Nephrology</i> , 2020 , 21, 67	2.7	5
34	Hypoglycemia in Hospitalized Hemodialysis Patients With Diabetes: An Observational Study. <i>Journal of Diabetes Science and Technology</i> , 2018 , 12, 33-38	4.1	5
33	Cerebral Aneurysms in Autosomal Dominant Polycystic Kidney Disease: A Comparison of Management Approaches. <i>Neurosurgery</i> , 2019 , 84, E352-E361	3.2	5
32	Burden and Cost of Caring for US Veterans With CKD: Initial Findings From the VA Renal Information System (VA-REINS). <i>American Journal of Kidney Diseases</i> , 2021 , 77, 397-405	7.4	5
31	The relation between dialysis-requiring acute kidney injury and recovery from end-stage renal disease: a national study. <i>BMC Nephrology</i> , 2019 , 20, 342	2.7	4
30	Outpatient Dialysis for Acute Kidney Injury: Progress and Pitfalls. <i>American Journal of Kidney Diseases</i> , 2019 , 74, 523-528	7.4	4
29	Effect of sex on nadir hematocrit and rates of acute kidney injury in coronary artery bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, 1073-1080.e4	1.5	4

28	Optimizing anemia management in hospitalized patients with end-stage renal disease. <i>Annals of Pharmacotherapy</i> , 2009 , 43, 276-82	2.9	3
27	Has the time come to abandon chloride-rich resuscitation fluids?. <i>Annals of Translational Medicine</i> , 2017 , 5, 12	3.2	3
26	Regional Citrate Anticoagulation Protocol for Patients with Presumed Absent Citrate Metabolism.. <i>Kidney360</i> , 2021 , 2, 192-204	1.8	3
25	Exploring reasons for state-level variation in incidence of dialysis-requiring acute kidney injury (AKI-D) in the United States. <i>BMC Nephrology</i> , 2020 , 21, 336	2.7	3
24	Dynamic Limb Bioimpedance and Inferior Vena Cava Ultrasound in Patients Undergoing Hemodialysis. <i>ASAIO Journal</i> , 2016 , 62, 463-9	3.6	3
23	Trends in the Incidence of Acute Kidney Injury in a National Cohort of US Veterans. <i>American Journal of Kidney Diseases</i> , 2021 , 77, 300-302	7.4	3
22	The Role of Race on Acute Kidney Injury Following Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2021 , ,	2.7	2
21	Severe secondary hyperkalemia and arrhythmia from drug interactions between calcium-channel blocker and voriconazole: a case presentation. <i>BMC Nephrology</i> , 2021 , 22, 172	2.7	2
20	Single dose oral ranolazine pharmacokinetics in patients receiving maintenance hemodialysis. <i>Renal Failure</i> , 2019 , 41, 118-125	2.9	1
19	Optimizing antimicrobial use in hemodialysis: time to take a hard look in the mirror. <i>Infection Control and Hospital Epidemiology</i> , 2013 , 34, 358-60	2	1
18	In-Hospital and 1-Year Mortality Trends in a National Cohort of US Veterans with Acute Kidney Injury.. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2022 , 17, 184-193	6.9	1
17	Identification of undocumented over-the-counter medications in an academic nephrology clinic. <i>Journal of the American Pharmacists Association: JAPhA</i> , 2020 , 60, e236-e245	1.7	1
16	Deployment of a New CRRT/PIRRT Device during the COVID-19 Pandemic Emergency: Organizational Challenges and Implementation Results. <i>Blood Purification</i> , 2021 , 50, 390-398	3.1	1
15	Predictors of kidney function recovery among incident ESRD patients. <i>BMC Nephrology</i> , 2021 , 22, 142	2.7	1
14	Renal Considerations in COVID-19: Biology, Pathology, and Pathophysiology. <i>ASAIO Journal</i> , 2021 , 67, 1087-1096	3.6	1
13	Regional citrate anticoagulation "non-shock" protocol with pre-calculated flow settings for patients with at least 6 L/hour liver citrate clearance. <i>BMC Nephrology</i> , 2021 , 22, 244	2.7	1
12	A Large Database Analysis of Rates of Aneurysm Screening, Elective Treatment, and Subarachnoid Hemorrhage in Patients With Polycystic Kidney Disease. <i>Neurosurgery</i> , 2019 , 85, E266-E274	3.2	1
11	Technology Innovations in Continuous Kidney Replacement Therapy: The Clinician's Perspective. <i>Advances in Chronic Kidney Disease</i> , 2021 , 28, 3-12	4.7	1

10	Continuous Renal Replacement Therapy among Patients with COVID-19 and Acute Kidney Injury. <i>Blood Purification</i> , 2021 , 1-8	3.1	o
9	Addressing the nephrology workforce shortage via a novel undergraduate pipeline program: the Kidney Disease Screening and Awareness Program (KDSAP) at 10 years. <i>Kidney International</i> , 2021 , 100, 1174-1178	9.9	o
8	Care of the Survivor of Critical Illness and Acute Kidney Injury: A Multidisciplinary Approach. <i>Advances in Chronic Kidney Disease</i> , 2021 , 28, 105-113	4.7	o
7	Trends in Chronic Kidney Disease Care in the US by Race and Ethnicity, 2012-2019. <i>JAMA Network Open</i> , 2021 , 4, e2127014	10.4	o
6	The use of cell cycle arrest biomarkers in the early detection of acute kidney injury. Is this the new renal troponin?. <i>Nefrologia</i> , 2018 , 38, 355-361	0.4	
5	Hyperkalemia 2020 , 393-397		
4	Lipoteichoic Acid as a Potential Noninvasive Biomarker of Biofilm in Dialysis Access. <i>ASAIO Journal</i> , 2020 , 66, 960-965	3.6	
3	The Workforce in Critical Care Nephrology: Challenges and Opportunities. <i>Advances in Chronic Kidney Disease</i> , 2020 , 27, 328-335.e1	4.7	
2	78696 A Qualitative Cross-Sectional Study of Leadership in a Pandemic: What do Students Value?. <i>Journal of Clinical and Translational Science</i> , 2021 , 5, 64-64	0.4	
1	The effect of timing of initiation of renal replacement therapy on mortality: A retrospective case-control study. <i>Journal of the Intensive Care Society</i> , 2021 , 22, 8-16	1.6	