

Michael Heung

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

7,288
citations

117625

34
h-index

56724

83
g-index

121
all docs

121
docs citations

121
times ranked

9979
citing authors

#	ARTICLE	IF	CITATIONS
1	US Renal Data System 2016 Annual Data Report: Epidemiology of Kidney Disease in the United States. American Journal of Kidney Diseases, 2017, 69, A7-A8.	1.9	716
2	US Renal Data System 2018 Annual Data Report: Epidemiology of Kidney Disease in the United States. American Journal of Kidney Diseases, 2019, 73, A7-A8.	1.9	680
3	US Renal Data System 2017 Annual Data Report: Epidemiology of Kidney Disease in the United States. American Journal of Kidney Diseases, 2018, 71, A7.	1.9	554
4	Development and Validation of an Acute Kidney Injury Risk Index for Patients Undergoing General Surgery. Anesthesiology, 2009, 110, 505-515.	2.5	484
5	US Renal Data System 2014 Annual Data Report: Epidemiology of Kidney Disease in the United States. American Journal of Kidney Diseases, 2015, 66, A7.	1.9	484
6	US Renal Data System 2015 Annual Data Report: Epidemiology of Kidney Disease in the United States. American Journal of Kidney Diseases, 2016, 67, A7-A8.	1.9	440
7	Validation of Cell-Cycle Arrest Biomarkers for Acute Kidney Injury Using Clinical Adjudication. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 932-939.	5.6	402
8	Acute Kidney Injury Recovery Pattern and Subsequent Risk of ÅCKD: An Analysis of Veterans Health Administration Data. American Journal of Kidney Diseases, 2016, 67, 742-752.	1.9	298
9	Validation of the KDIGO acute kidney injury criteria in a pediatric critical care population. Intensive Care Medicine, 2014, 40, 1481-1488.	8.2	188
10	Fluid overload at initiation of renal replacement therapy is associated with lack of renal recovery in patients with acute kidney injury. Nephrology Dialysis Transplantation, 2012, 27, 956-961.	0.7	182
11	Fluid overload and fluid removal in pediatric patients on extracorporeal membrane oxygenation requiring continuous renal replacement therapy*. Critical Care Medicine, 2012, 40, 2694-2699.	0.9	176
12	Weight-based determination of fluid overload status and mortality in pediatric intensive care unit patients requiring continuous renal replacement therapy. Intensive Care Medicine, 2011, 37, 1166-1173.	8.2	175
13	Clinical Use of the Urine Biomarker [TIMP-2] Å— [IGFBP7] for ÅAcute Kidney Injury Risk Assessment. American Journal of Kidney Diseases, 2016, 68, 19-28.	1.9	172
14	Quality Improvement Goals for Acute Kidney Injury. Clinical Journal of the American Society of Nephrology: CJASN, 2019, 14, 941-953.	4.5	152
15	Preoperative Risk and the Association between Hypotension and Postoperative Acute Kidney Injury. Anesthesiology, 2020, 132, 461-475.	2.5	121
16	Identification and validation of biomarkers of persistent acute kidney injury: the RUBY study. Intensive Care Medicine, 2020, 46, 943-953.	8.2	120
17	Promoting Kidney Function Recovery in Patients with AKI Requiring RRT. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 1859-1867.	4.5	98
18	Daptomycin pharmacokinetics in critically ill patients receiving continuous venovenous hemodialysis. Critical Care Medicine, 2011, 39, 19-25.	0.9	89

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19	Predicting progression to chronic kidney disease after recovery from acute kidney injury. <i>Current Opinion in Nephrology and Hypertension</i> , 2012, 21, 628-634.	2.0	74
20	CKD Awareness Among US Adults by Future Risk of Kidney Failure. <i>American Journal of Kidney Diseases</i> , 2020, 76, 174-183.	1.9	74
21	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.	4.5	69
22	Vulnerable Populations and the Association between Periodontal and Chronic Kidney Disease. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011, 6, 711-717.	4.5	60
23	Association Between Acute Kidney Injury and In-Hospital Mortality in Patients Undergoing Percutaneous Coronary Interventions. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e002212.	3.9	57
24	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.	4.5	57
25	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.	5.2	50
26	Acute Kidney Injury: Gateway to Chronic Kidney Disease. <i>Nephron Clinical Practice</i> , 2014, 127, 30-34.	2.3	47
27	Single-dose daptomycin pharmacokinetics in chronic haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 1279-1284.	0.7	44
28	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, 1190-1194.	4.5	40
29	A Successful Approach to Fall Prevention in an Outpatient Hemodialysis Center. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010, 5, 1775-1779.	4.5	40
30	Impact of Ultrafiltration on Kidney Injury After Cardiac Surgery: The Michigan Experience. <i>Annals of Thoracic Surgery</i> , 2015, 100, 1683-1688.	1.3	40
31	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, 2714-2723.	2.8	40
32	Improving Delivery of Continuous Renal Replacement Therapy. <i>Pediatric Critical Care Medicine</i> , 2013, 14, 747-754.	0.5	38
33	Pharmacokinetics of Oseltamivir and Oseltamivir Carboxylate in Critically Ill Patients Receiving Continuous Venovenous Hemodialysis and/or Extracorporeal Membrane Oxygenation. <i>Pharmacotherapy</i> , 2012, 32, 1061-1069.	2.6	37
34	Predictors of post-hospitalization recovery of renal function among patients with acute kidney injury requiring dialysis. <i>Hemodialysis International</i> , 2018, 22, 66-73.	0.9	36
35	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
36	Kinetic estimated glomerular filtration rate and acute kidney injury in cardiac surgery patients. <i>Journal of Critical Care</i> , 2016, 31, 249-254.	2.2	35

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37	Pathophysiology and Management of Hypoglycemia in End-Stage Renal Disease Patients: A Review. <i>Endocrine Practice</i> , 2017, 23, 353-362.	2.1	35
38	Implications of different fluid overload definitions in pediatric stem cell transplant patients requiring continuous renal replacement therapy. <i>Intensive Care Medicine</i> , 2012, 38, 663-669.	8.2	33
39	Extending the Benefits of Early Mobility to Critically Ill Patients Undergoing Continuous Renal Replacement Therapy. <i>Critical Care Nursing Quarterly</i> , 2013, 36, 89-100.	0.8	33
40	Pharmacokinetics of Ertapenem in Critically Ill Patients Receiving Continuous Venovenous Hemodialysis or Hemodiafiltration. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1320-1326.	3.2	32
41	Quantitative Lung Ultrasound Comet Measurement: Method and Initial Clinical Results. <i>Blood Purification</i> , 2015, 39, 37-44.	1.8	32
42	Renal Replacement Therapy in Acute Kidney Injury. <i>Critical Care Clinics</i> , 2017, 33, 365-378.	2.6	32
43	Trends in Chronic Kidney Disease Care in the US by Race and Ethnicity, 2012-2019. <i>JAMA Network Open</i> , 2021, 4, e2127014.	5.9	32
44	Optimal Role of the Nephrologist in the Intensive Care Unit. <i>Blood Purification</i> , 2017, 43, 68-77.	1.8	31
45	Effect of hyperchloremia on acute kidney injury in critically ill septic patients: a retrospective cohort study. <i>BMC Nephrology</i> , 2017, 18, 346.	1.8	31
46	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, 412-415.	0.9	24
47	Outpatient Dialysis for Patients with AKI. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 1868-1874.	4.5	24
48	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.	0.4	24
49	Central Line-Associated Bloodstream Infections in Non-ICU Inpatient Wards: A 2-Year Analysis. <i>Infection Control and Hospital Epidemiology</i> , 2015, 36, 424-430.	1.8	23
50	Complications and adequacy of transplant kidney biopsies: A comparison of techniques. <i>Journal of Vascular Access</i> , 2018, 19, 291-296.	0.9	23
51	CRRTnet: a prospective, multi-national, observational study of continuous renal replacement therapy practices. <i>BMC Nephrology</i> , 2017, 18, 222.	1.8	20
52	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
53	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.	5.9	19
54	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.	1.4	19

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55	<i>In Vitro</i> Glucose Kinetics during Continuous Renal Replacement Therapy: Implications for Caloric Balance in Critically Ill Patients. International Journal of Artificial Organs, 2013, 36, 861-868.	1.4	17
56	Prevention of hypophosphatemia during continuous renal replacement therapyâ€”An overlooked problem. Seminars in Dialysis, 2018, 31, 213-218.	1.3	17
57	Obstetric Deliveries in US Women With ESKD: 2002-2015. American Journal of Kidney Diseases, 2020, 75, 762-771.	1.9	17
58	Genetic variants and acute kidney injury: A review of the literature. Journal of Critical Care, 2018, 44, 203-211.	2.2	16
59	Outcomes of Acute Kidney Injury in Patients With Severe ARDS Due to Influenza A(H1N1) pdm09 Virus. American Journal of Critical Care, 2018, 27, 67-73.	1.6	15
60	Hypoglycemia in Hospitalized Hemodialysis Patients With Diabetes: An Observational Study. Journal of Diabetes Science and Technology, 2018, 12, 33-38.	2.2	15
61	Burden and Cost of Caring for US Veterans With CKD: Initial Findings From the VA Renal Information System (VA-REINS). American Journal of Kidney Diseases, 2021, 77, 397-405.	1.9	15
62	In-Hospital and 1-Year Mortality Trends in a National Cohort of US Veterans with Acute Kidney Injury. Clinical Journal of the American Society of Nephrology: CJASN, 2022, 17, 184-193.	4.5	15
63	Regional Citrate Anticoagulation Protocol for Patients with Presumed Absent Citrate Metabolism. Kidney360, 2021, 2, 192-204.	2.1	14
64	Entanglement of Sepsis, Chronic Kidney Disease, and Other Comorbidities in Patients Who Develop Acute Kidney Injury. Seminars in Nephrology, 2015, 35, 23-37.	1.6	13
65	Abrupt Decline in Kidney Function Precipitating Initiation of Chronic Renal Replacement Therapy. Kidney International Reports, 2018, 3, 602-609.	0.8	13
66	Nadir Hematocrit on Bypass and Rates of Acute Kidney Injury: Does Sex Matter?. Annals of Thoracic Surgery, 2015, 100, 1549-1555.	1.3	12
67	Fluid as a Drug: Balancing Resuscitation and Fluid Overload in the Intensive Care Setting. Advances in Chronic Kidney Disease, 2016, 23, 152-159.	1.4	12
68	Applying lean principles to continuous renal replacement therapy processes. American Journal of Health-System Pharmacy, 2015, 72, 218-223.	1.0	11
69	Precision Medicine in Acute Kidney Injury: A Promising Future?. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 814-816.	5.6	11
70	Continuous quality improvement in nephrology: a systematic review. BMC Nephrology, 2016, 17, 190.	1.8	10
71	Regional citrate anticoagulation â€œnon-shockâ€•protocol with pre-calculated flow settings for patients with at least 6â€‰%L/hour liver citrate clearance. BMC Nephrology, 2021, 22, 244.	1.8	10
72	Hospital Variation in Renal Replacement Therapy for Sepsis in the United States. Critical Care Medicine, 2018, 46, e158-e165.	0.9	10

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73	Preparing for Renal Replacement Therapy in Patients with the Ebola Virus Disease. <i>Blood Purification</i> , 2014, 38, 276-285.	1.8	9
74	The Association Between Urine Output, Creatinine Elevation, and Death. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1229-1237.	1.3	9
75	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.	2.0	9
76	Cerebral Aneurysms in Autosomal Dominant Polycystic Kidney Disease: A Comparison of Management Approaches. <i>Neurosurgery</i> , 2019, 84, E352-E361.	1.1	9
77	Cramping, crashing, cannulating, and clotting: a qualitative study of patients' definitions of a bad run on hemodialysis. <i>BMC Nephrology</i> , 2020, 21, 67.	1.8	9
78	Therapeutic Controversies: Optimizing Anemia Management in Hospitalized Patients with End-Stage Renal Disease. <i>Annals of Pharmacotherapy</i> , 2009, 43, 276-282.	1.9	8
79	Safety of arteriovenous fistulae and grafts for continuous renal replacement therapy: The Michigan experience. <i>Hemodialysis International</i> , 2018, 22, 50-55.	0.9	8
80	Outpatient Dialysis for Acute Kidney Injury: Progress and Pitfalls. <i>American Journal of Kidney Diseases</i> , 2019, 74, 523-528.	1.9	7
81	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.	0.8	7
82	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.	1.8	7
83	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.	1.9	6
84	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.	1.8	5
85	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.	1.5	5
86	Renal Considerations in COVID-19: Biology, Pathology, and Pathophysiology. <i>ASAIO Journal</i> , 2021, 67, 1087-1096.	1.6	5
87	Continuous Renal Replacement Therapy among Patients with COVID-19 and Acute Kidney Injury. <i>Blood Purification</i> , 2022, 51, 660-667.	1.8	5
88	The Role of Race on Acute Kidney Injury Following Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2021, , .	1.3	5
89	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.	1.8	4
90	Predictors of kidney function recovery among incident ESRD patients. <i>BMC Nephrology</i> , 2021, 22, 142.	1.8	4

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91	Citrate Anticoagulation for Continuous Kidney Replacement Therapy: An Embarrassment of RICH-es. American Journal of Kidney Diseases, 2021, 78, 146-150.	1.9	4
92	Has the time come to abandon chloride-rich resuscitation fluids?. Annals of Translational Medicine, 2017, 5, 12-12.	1.7	4
93	Dynamic Limb Bioimpedance and Inferior Vena Cava Ultrasound in Patients Undergoing Hemodialysis. ASAIO Journal, 2016, 62, 463-469.	1.6	3
94	Single dose oral ranolazine pharmacokinetics in patients receiving maintenance hemodialysis. Renal Failure, 2019, 41, 118-125.	2.1	3
95	A Large Database Analysis of Rates of Aneurysm Screening, Elective Treatment, and Subarachnoid Hemorrhage in Patients With Polycystic Kidney Disease. Neurosurgery, 2019, 85, E266-E274.	1.1	3
96	Severe secondary hyperkalemia and arrhythmia from drug interactions between calcium channel blocker and voriconazole: a case presentation. BMC Nephrology, 2021, 22, 172.	1.8	3
97	Addressing the nephrology workforce shortage via a novel undergraduate pipeline program: the Kidney Disease Screening and Awareness Program (KDSAP) at 10 years. Kidney International, 2021, 100, 1174-1178.	5.2	3
98	The Workforce in Critical Care Nephrology: Challenges and Opportunities. Advances in Chronic Kidney Disease, 2020, 27, 328-335.e1.	1.4	2
99	Technology Innovations in Continuous Kidney Replacement Therapy: The Clinician's Perspective. Advances in Chronic Kidney Disease, 2021, 28, 3-12.	1.4	2
100	Towards Consensus in Timing of Kidney Replacement Therapy for Acute Kidney Injury?. American Journal of Kidney Diseases, 2021, 77, 542-545.	1.9	2
101	Optimizing Antimicrobial Use in Hemodialysis Time to Take a Hard Look in the Mirror. Infection Control and Hospital Epidemiology, 2013, 34, 358-360.	1.8	1
102	Nephrohepatology: Managing the Nexus of Liver and Kidney Interactions. Advances in Chronic Kidney Disease, 2015, 22, 335-336.	1.4	1
103	Care of the Survivor of Critical Illness and Acute Kidney Injury: A Multidisciplinary Approach. Advances in Chronic Kidney Disease, 2021, 28, 105-113.	1.4	1
104	Abstract 16151: Acute Kidney Injury is a Powerful and an Independent Determinant of In-Hospital Mortality in Patients Undergoing Percutaneous Coronary Interventions. Circulation, 2014, 130, .	1.6	1
105	Contrast-induced acute kidney injury " Nephrology perspective. Clinical Nephrology, 2018, 89, 170-175.	0.7	1
106	360 Pre-Dialysis Fluid Status Is an Important Predictor of Renal Recovery in Patients with Acute Kidney Injury Requiring Renal Replacement Therapy. American Journal of Kidney Diseases, 2011, 57, B106.	1.9	0
107	Albuminuria: A Novel Marker for Functional Impairment in Older Adults?. American Journal of Nephrology, 2017, 45, 170-171.	3.1	0
108	1378: TRAUMA PATIENTS RECEIVING RENALLY CLEARED ANTIBIOTICS ARE AT RISK FOR AUGMENTED RENAL CLEARANCE. Critical Care Medicine, 2018, 46, 672-672.	0.9	0

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109	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	0
110	Recognizing Downstream Consequences of Acute Kidney Injury. <i>American Journal of Nephrology</i> , 2018, 47, 424-426.	3.1	0
111	DIALYSIS PARADOX: IMPACT OF ALDOSTERONE ANTAGONISM ON SURVIVAL IN PATIENTS WITH HF AND ESRD. <i>Journal of the American College of Cardiology</i> , 2019, 73, 924.	2.8	0
112	Lipoteichoic Acid as a Potential Noninvasive Biomarker of Biofilm in Dialysis Access. <i>ASAIO Journal</i> , 2020, 66, 960-965.	1.6	0
113	The effect of timing of initiation of renal replacement therapy on mortality: A retrospective caseâ€“control study. <i>Journal of the Intensive Care Society</i> , 2021, 22, 8-16.	2.2	0
114	Nephrology Critical Care: A Darwinian Evolution. <i>Advances in Chronic Kidney Disease</i> , 2021, 28, 1-2.	1.4	0
115	Telavancin pharmacokinetics in patients with chronic kidney disease receiving haemodialysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 77, 174-180.	3.0	0
116	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.	0.6	0
117	20191111. <i>Michigan Journal of Medicine</i> , 2019, 4, .	0.0	0
118	Hyperkalemia. , 2020, , 393-397.		0
119	Re: Hemofiltration circuit use beyond 72 hours in pediatric continuous renal replacement therapy. <i>International Journal of Artificial Organs</i> , 2012, 35, 1025.	1.4	0