

Michael Hultström

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.

106
papers

1,070
citations

19
h-index

28
g-index

126
ext. papers

1,607
ext. citations

4.5
avg, IF

4.97
L-index

#	Paper	IF	Citations
106	Validation of uromodulin as a candidate gene for human essential hypertension. <i>Hypertension</i> , 2014 , 63, 551-8	8.5	83
105	Development of structural kidney damage in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2012 , 30, 1087-91	1.9	57
104	A Neanderthal OAS1 isoform protects individuals of European ancestry against COVID-19 susceptibility and severity. <i>Nature Medicine</i> , 2021 , 27, 659-667	50.5	52
103	Prevalence and associated metabolic factors of fatty liver disease in the elderly. <i>Experimental Gerontology</i> , 2013 , 48, 705-9	4.5	45
102	Critical illness polyneuropathy, myopathy and neuronal biomarkers in COVID-19 patients: A prospective study. <i>Clinical Neurophysiology</i> , 2021 , 132, 1733-1740	4.3	40
101	Mannose-Binding Lectin is Associated with Thrombosis and Coagulopathy in Critically Ill COVID-19 Patients. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 1720-1724	7	39
100	Comparison of acute kidney injury of different etiology reveals in-common mechanisms of tissue damage. <i>Physiological Genomics</i> , 2018 , 50, 127-141	3.6	28
99	Renal neurohormonal regulation in heart failure decompensation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R493-7	3.2	28
98	Upregulation of tissue inhibitor of metalloproteases-1 (TIMP-1) and procollagen-N-peptidase in hypertension-induced renal damage. <i>Nephrology Dialysis Transplantation</i> , 2008 , 23, 896-903	4.3	26
97	Intradermal insulin delivery: a promising future for diabetes management. <i>Journal of Diabetes Science and Technology</i> , 2014 , 8, 453-7	4.1	25
96	Sex-specific prevalence of fatty liver disease and associated metabolic factors in Wuhan, south central China. <i>European Journal of Gastroenterology and Hepatology</i> , 2014 , 26, 1015-21	2.2	25
95	Increased levels of plasma cytokines and correlations to organ failure and 30-day mortality in critically ill Covid-19 patients. <i>Cytokine</i> , 2021 , 138, 155389	4	24
94	The swedish covid-19 intensive care cohort: Risk factors of ICU admission and ICU mortality. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 , 65, 525	1.9	24
93	Afferent arteriopathy and glomerular collapse but not segmental sclerosis induce tubular atrophy in old spontaneously hypertensive rats. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2011 , 459, 99-108	5.1	23
92	Increased hydrogen peroxide impairs angiotensin II contractions of afferent arterioles in mice after renal ischaemia-reperfusion injury. <i>Acta Physiologica</i> , 2016 , 218, 136-45	5.6	23
91	Angiotensin II-induced contraction is attenuated by nitric oxide in afferent arterioles from the nonclipped kidney in 2K1C. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 296, F78-86	4.3	22
90	Neurohormonal interactions on the renal oxygen delivery and consumption in haemorrhagic shock-induced acute kidney injury. <i>Acta Physiologica</i> , 2013 , 209, 11-25	5.6	21

89	Matrix Metalloproteinase-2 Knockout and Heterozygote Mice Are Protected from Hydronephrosis and Kidney Fibrosis after Unilateral Ureteral Obstruction. <i>PLoS ONE</i> , 2015 , 10, e0143390	3.7	21
88	Evolution of NETosis markers and DAMPs have prognostic value in critically ill COVID-19 patients. <i>Scientific Reports</i> , 2021 , 11, 15701	4.9	20
87	Sympathectomy suppresses tumor growth and alters gene-expression profiles in rat tongue cancer. <i>European Journal of Oral Sciences</i> , 2009 , 117, 351-61	2.3	19
86	Osthole Ameliorates Renal Fibrosis in Mice by Suppressing Fibroblast Activation and Epithelial-Mesenchymal Transition. <i>Frontiers in Physiology</i> , 2018 , 9, 1650	4.6	18
85	Prevention of hypertension and organ damage in 2-kidney, 1-clip rats by tetradecylthioacetic acid. <i>Hypertension</i> , 2006 , 48, 460-6	8.5	17
84	Presence of SARS-CoV-2 in urine is rare and not associated with acute kidney injury in critically ill COVID-19 patients. <i>Critical Care</i> , 2020 , 24, 587	10.8	17
83	Mortality rate in Polish intensive care units is lower than predicted according to the APACHE II scoring system. <i>Intensive Care Medicine</i> , 2017 , 43, 1745-1746	14.5	16
82	COVID-19 patients in intensive care develop predominantly oliguric acute kidney injury. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 , 65, 364-372	1.9	16
81	The Outcome of Critically Ill COVID-19 Patients Is Linked to Thromboinflammation Dominated by the Kallikrein/Kinin System. <i>Frontiers in Immunology</i> , 2021 , 12, 627579	8.4	16
80	Mortality rate is higher in Polish intensive care units than in other European countries. <i>Intensive Care Medicine</i> , 2017 , 43, 1430-1432	14.5	15
79	Arterial damage precedes the development of interstitial damage in the nonclipped kidney of two-kidney, one-clip hypertensive rats. <i>Journal of Hypertension</i> , 2013 , 31, 152-9	1.9	15
78	Inadequate prophylactic effect of low-molecular weight heparin in critically ill COVID-19 patients. <i>Journal of Critical Care</i> , 2020 , 60, 249-252	4	15
77	Norepinephrine increases calcium sensitivity of mouse afferent arteriole, thereby enhancing angiotensin II-mediated vasoconstriction. <i>Kidney International</i> , 2009 , 76, 953-9	9.9	14
76	AT(1) receptor activation regulates the mRNA expression of CAT1, CAT2, arginase-1, and DDAH2 in preglomerular vessels from angiotensin II hypertensive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F163-8	4.3	14
75	ICU mortality and variables associated with ICU survival in Poland: A nationwide database study. <i>European Journal of Anaesthesiology</i> , 2018 , 35, 949-954	2.3	14
74	Commentaries on Viewpoint: Can elite athletes benefit from dietary nitrate supplementation?. <i>Journal of Applied Physiology</i> , 2015 , 119, 762-9	3.7	13
73	Blood type A associates with critical COVID-19 and death in a Swedish cohort. <i>Critical Care</i> , 2020 , 24, 496	10.8	13
72	ADAMTS13 protects mice against renal ischemia-reperfusion injury by reducing inflammation and improving endothelial function. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 316, F134-F145	4.3	13

71	Severe acute kidney injury associated with progression of chronic kidney disease after critical COVID-19. <i>Critical Care</i> , 2021 , 25, 37	10.8	13
70	Distinct protein signature of hypertension-induced damage in the renal proteome of the two-kidney, one-clip rat model. <i>Journal of Hypertension</i> , 2015 , 33, 126-35	1.9	12
69	Noradrenaline enhances angiotensin II responses via p38 MAPK activation after hypoxia/re-oxygenation in renal interlobar arteries. <i>Acta Physiologica</i> , 2015 , 213, 920-32	5.6	11
68	Unilateral renal ischaemia in rats induces a rapid secretion of inflammatory markers to renal lymph and increased capillary permeability. <i>Journal of Physiology</i> , 2016 , 594, 1709-26	3.9	11
67	Adenosine triphosphate increases the reactivity of the afferent arteriole to low concentrations of norepinephrine. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R2225-31	3.2	10
66	The impact of viremia on organ failure, biomarkers and mortality in a Swedish cohort of critically ill COVID-19 patients. <i>Scientific Reports</i> , 2021 , 11, 7163	4.9	10
65	Impaired diffusing capacity for carbon monoxide is common in critically ill Covid-19 patients at four months post-discharge. <i>Respiratory Medicine</i> , 2021 , 182, 106394	4.6	9
64	Hyperreninemia and low total body water may contribute to acute kidney injury in COVID-19 patients in intensive care. <i>Journal of Hypertension</i> , 2020 , 38, 1613-1614	1.9	8
63	Identification of a common molecular pathway in hypertensive renal damage: comparison of rat and human gene expression profiles. <i>Journal of Hypertension</i> , 2015 , 33, 584-96; discussion 596	1.9	7
62	Adenosine sensitization after angiotensin II stimulation in afferent arterioles from normal rats does not occur during two-kidney, one-clip hypertension. <i>Acta Physiologica</i> , 2011 , 201, 289-94	5.6	7
61	Time course of decompensation after angiotensin II and high-salt diet in Balb/CJ mice suggests pulmonary hypertension-induced cardiorenal syndrome. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 316, R563-R570	3.2	5
60	Sympathoexcitation in Rats With Chronic Heart Failure Depends on Homeobox D10 and MicroRNA-7b Inhibiting GABBR1 Translation in Paraventricular Nucleus. <i>Circulation: Heart Failure</i> , 2016 , 9, e002261	7.6	5
59	Collagen-binding proteins in age-dependent changes in renal collagen turnover: microarray analysis of mRNA expression. <i>Physiological Genomics</i> , 2012 , 44, 576-86	3.6	5
58	Tetradecylthioacetic acid downregulates cyclooxygenase 2 in the renal cortex of two-kidney, one-clip hypertensive rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R1866-73	3.2	5
57	Soluble TNF receptors predict acute kidney injury and mortality in critically ill COVID-19 patients: A prospective observational study. <i>Cytokine</i> , 2022 , 149, 155727	4	5
56	Weak anti-SARS-CoV-2 antibody response is associated with mortality in a Swedish cohort of COVID-19 patients in critical care. <i>Critical Care</i> , 2020 , 24, 639	10.8	5
55	NFAT5 regulates renal gene expression in response to angiotensin II through Annexin-A2-mediated posttranscriptional regulation in hypertensive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 316, F101-F112	4.3	5
54	Critical Illness Polyneuropathy and Myopathy in COVID-19 Patients: A Prospective Observational Intensive Care Unit Cross-Sectional Cohort Study		4

53	A Neanderthal OAS1 isoform Protects Against COVID-19 Susceptibility and Severity: Results from Mendelian Randomization and Case-Control Studies		4
52	Histone H3 Cleavage in Severe COVID-19 ICU Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 694186	5.9	4
51	Urinary cytokines correlate with acute kidney injury in critically ill COVID-19 patients. <i>Cytokine</i> , 2021 , 146, 155589	4	4
50	Angiotensin II and salt-induced decompensation in Balb/CJ mice is aggravated by fluid retention related to low oxidative stress. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 316, F914-F933	4.3	3
49	Analgesic effects of dexmedetomidine and remifentanyl on periprocedural pain during percutaneous ablation of renal carcinoma. <i>Uppsala Journal of Medical Sciences</i> , 2020 , 125, 52-57	2.8	3
48	Common, low-frequency, rare, and ultra-rare coding variants contribute to COVID-19 severity. <i>Human Genetics</i> , 2021 , 141, 147	6.3	3
47	Markers of NETosis and DAMPs are altered in critically ill COVID-19 patients		3
46	ECG pathology and its association with death in critically ill COVID-19 patients, a cohort study.. <i>PLoS ONE</i> , 2021 , 16, e0261315	3.7	3
45	c-Jun N-terminal Kinase mediates prostaglandin-induced sympathoexcitation in rats with chronic heart failure by reducing GAD1 and GABRA1 expression. <i>Acta Physiologica</i> , 2017 , 219, 494-509	5.6	2
44	Nitric oxide in afferent arterioles after uninephrectomy depends on extracellular L-arginine. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, F1088-98	4.3	2
43	Intensive care-treated COVID-19 patients' perception of their illness and remaining symptoms. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 ,	1.9	2
42	The Contribution of Plasma Urea to Total Osmolality During Iatrogenic Fluid Reduction in Critically Ill Patients.. <i>Function</i> , 2022 , 3, zqab055	6.1	2
41	High expression of neutrophil and monocyte CD64 with simultaneous lack of upregulation of adhesion receptors CD11b, CD162, CD15, CD65 on neutrophils in severe COVID-19. <i>Therapeutic Advances in Infectious Disease</i> , 2021 , 8, 20499361211034065	2.8	2
40	Elevated Angiotensin-2 inhibits thrombomodulin-mediated anticoagulation in critically ill COVID-19 patients		2
39	A quantitative analysis of extension and distribution of lung injury in COVID-19: a prospective study based on chest computed tomography. <i>Critical Care</i> , 2021 , 25, 276	10.8	2
38	Plasma Leptin Is Increased in Intensive Care Patients with COVID-19-An Investigation Performed in the PronMed-Cohort.. <i>Biomedicines</i> , 2021 , 10,	4.8	2
37	Quantitative trait loci associated with angiotensin II and high-salt diet induced acute decompensated heart failure in Balb/CJ mice. <i>Physiological Genomics</i> , 2019 , 51, 279-289	3.6	1
36	Losartan does not decrease renal oxygenation and norepinephrine effects in rats after resuscitated hemorrhage. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F241-F246	4.3	1

35	Moderate hypothermia induces a preferential increase in pancreatic islet blood flow in anesthetized rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R1438-43	3.2	1
34	Surgical trauma is associated with renal immune cell activation in rats: A microarray study. <i>Physiological Reports</i> , 2021 , 9, e15142	2.6	1
33	MMP2 deficient mice are protected from hydronephrosis after unilateral urethral obstruction. <i>FASEB Journal</i> , 2012 , 26, 868.12	0.9	1
32	Point of care ultrasound screening for deep vein thrombosis in critically ill COVID-19 patients, an observational study. <i>Thrombosis Journal</i> , 2021 , 19, 38	5.6	1
31	How the Innate Immune System of the Blood Contributes to Systemic Pathology in COVID-19-Induced ARDS and Provides Potential Targets for Treatment.. <i>Frontiers in Immunology</i> , 2022 , 13, 840137	8.4	1
30	Patient satisfaction with continuous epidural analgesia after major surgical procedures at a Swedish University hospital. <i>PLoS ONE</i> , 2020 , 15, e0235636	3.7	0
29	Plasma hyaluronan, hyaluronidase activity and endogenous hyaluronidase inhibition in sepsis: an experimental and clinical cohort study. <i>Intensive Care Medicine Experimental</i> , 2021 , 9, 53	3.7	0
28	Neutrophil extracellular traps promote cancer-associated inflammation and myocardial stress.. <i>Oncolmmunology</i> , 2022 , 11, 2049487	7.2	0
27	Limitations of the ARDS criteria during high-flow oxygen or non-invasive ventilation: evidence from critically ill COVID-19 patients.. <i>Critical Care</i> , 2022 , 26, 55	10.8	0
26	The Evolution of Blood Cell Phenotypes, Intracellular and Plasma Cytokines and Morphological Changes in Critically Ill COVID-19 Patients. <i>Biomedicines</i> , 2022 , 10, 934	4.8	0
25	Optimal cutting temperature medium embedding and cryostat sectioning are valid for cardiac myofilament function assessment. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H235-H241	5.2	
24	Ingrid Toft (June 2, 1959-April 26, 2014). <i>Blood Pressure</i> , 2014 , 23, 255	1.7	
23	Optimal Cutting Temperature Medium-Embedding Is a Valid Method for Storing and Preparing Myocardial Biopsies Preceding Myofilament Function-Assessment. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
22	Plasma endostatin correlates with hypoxia and mortality in COVID-19-associated acute respiratory failure. <i>Biomarkers in Medicine</i> , 2021 , 15, 1509-1517	2.3	
21	Protein expression of factors involved in the development of renal interstitial fibrosis in old SHR. <i>FASEB Journal</i> , 2007 , 21, A899	0.9	
20	The mRNA expression of eNOS, iNOS and L-arginine transporters in the afferent arterioles (AA) of 2K1C hypertensive rats. <i>FASEB Journal</i> , 2007 , 21, A899	0.9	
19	Collagen metabolism and renal damage in 2k1c rats. <i>FASEB Journal</i> , 2008 , 22, 968.5	0.9	
18	Compensatory hyperfiltration and NO in 2k1c and uninephrectomized rats. <i>FASEB Journal</i> , 2008 , 22, 761.4	0.9	

17	In-Common And Unique Gene Expression Patterns In Acute Kidney Injury Of Different Aetiology Implicates MYC-Pathway In Damage Progression. <i>FASEB Journal</i> , 2018 , 32, 849.7	0.9
16	BALB/cJBom Treated with Angiotensin II and High Salt Diet Develop Pulmonary Hypertension and Right Sided Heart Failure while C57BL/6J Mice do not. <i>FASEB Journal</i> , 2018 , 32, 892.10	0.9
15	Release of a contractile factor and reduced nitric oxide from isolated pulmonary resistance vessels from BalB/CJ mice cause higher reactivity to angiotensin II compared to C57BL/6J mice. <i>FASEB Journal</i> , 2019 , 33, 550.10	0.9
14	Lower oxidative stress is associated with angiotensin II and salt-induced acute cardiorenal failure in BalbC mice but not C57Black6 (860.10). <i>FASEB Journal</i> , 2014 , 28, 860.10	0.9
13	Nucleic acid binding of annexin A2 is regulated through angiotensin II/AT1 signaling in kidneys of hypertensive rats (1088.2). <i>FASEB Journal</i> , 2014 , 28, 1088.2	0.9
12	Renal vascular L-arginine metabolism, NO release and contraction in Angiotensin II hypertensive rats. <i>FASEB Journal</i> , 2009 , 23, 606.6	0.9
11	Norepinephrine Treatment Enhances the Constriction of the Afferent Arterioles to Angiotensin II by Increasing the Calcium Sensitivity. <i>FASEB Journal</i> , 2009 , 23, 804.2	0.9
10	Renal damage in the non-clipped kidney in two kidney one clip rat is most pronounced in the juxtamedullary cortex.. <i>FASEB Journal</i> , 2009 , 23, 1017.12	0.9
9	Osteopontin is upregulated in damaged non-clipped kidney cortex from rats with renal hypertension. <i>FASEB Journal</i> , 2010 , 24, 791.4	0.9
8	Trefoil factor-3 is down regulated while CYP24a1 is increased in the ageing rat kidney. <i>FASEB Journal</i> , 2010 , 24, 791.5	0.9
7	Renal extracellular matrix in three rat-models of hypertensive kidney damage: A microarray study of SHR, SHRSP and 2K1C. <i>FASEB Journal</i> , 2012 , 26, 872.32	0.9
6	Renal ischemia-reperfusion (I/R) injury induces a rapid activation of local inflammatory markers and causes increased peritubular permeability.. <i>FASEB Journal</i> , 2013 , 27, 682.10	0.9
5	Attenuated contractility in afferent arterioles during development of proteinuria in two-kidney, one-clip hypertensive rats. <i>FASEB Journal</i> , 2013 , 27, 1110.15	0.9
4	Proteomic analysis of outer and juxtamedullary cortex of non-clipped kidneys in 2K1C hypertensive rats. <i>FASEB Journal</i> , 2013 , 27, 909.15	0.9
3	Genomic differences in glutathione metabolism determines susceptibility to cardiorenal failure in mice (860.11). <i>FASEB Journal</i> , 2014 , 28, 860.11	0.9
2	Case report: An unusual presentation of renal hypertension after damage control surgery. <i>International Journal of Surgery Case Reports</i> , 2021 , 82, 105872	0.8
1	Infectious SARS-CoV-2 is rarely present in the nasopharynx samples collected from Swedish hospitalized critically ill COVID-19 patients.. <i>Irish Journal of Medical Science</i> , 2022 , 1	1.9