

Michael Hultström

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

1,967
citations

257357

24
h-index

330025

37
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126
all docs

126
docs citations

126
times ranked

3476
citing authors

#	ARTICLE	IF	CITATIONS
1	Intensive care-treated COVID-19 patients' perception of their illness and remaining symptoms. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 240-247.	0.7	9
2	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.	1.4	22
3	The extent of neuroradiological findings in COVID-19 shows correlation with blood biomarkers, Glasgow coma scale score and days in intensive care. <i>Journal of Neuroradiology</i> , 2022, 49, 421-427.	0.6	13
4	Common, low-frequency, rare, and ultra-rare coding variants contribute to COVID-19 severity. <i>Human Genetics</i> , 2022, 141, 147-173.	1.8	22
5	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.	0.8	1
6	Neutrophil extracellular traps promote cancer-associated inflammation and myocardial stress. <i>Oncolmmunology</i> , 2022, 11, 2049487.	2.1	11
7	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.	2.5	7
8	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.	2.2	11
9	Plasma Leptin Is Increased in Intensive Care Patients with COVID-19" An Investigation Performed in the PronMed-Cohort. <i>Biomedicines</i> , 2022, 10, 4.	1.4	19
10	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.	1.4	4
11	Iatrogenic dehydration drives organic osmolyte production in critical COVID-19. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
12	Genetic determinants of mannose-binding lectin activity predispose to thromboembolic complications in critical COVID-19. <i>Nature Immunology</i> , 2022, 23, 861-864.	7.0	7
13	Angiopoietin-2 Inhibition of Thrombomodulin-Mediated Anticoagulation" A Novel Mechanism That May Contribute to Hypercoagulation in Critically Ill COVID-19 Patients. <i>Biomedicines</i> , 2022, 10, 1333.	1.4	11
14	Impaired Antibody Response Is Associated with Histone-Release, Organ Dysfunction and Mortality in Critically Ill COVID-19 Patients. <i>Journal of Clinical Medicine</i> , 2022, 11, 3419.	1.0	1
15	COVID-19 patients in intensive care develop predominantly oliguric acute kidney injury. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 364-372.	0.7	35
16	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.	1.4	50
17	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, 2049936121110340.	1.1	13
18	Severe acute kidney injury associated with progression of chronic kidney disease after critical COVID-19. <i>Critical Care</i> , 2021, 25, 37.	2.5	30

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19	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.	2.2	49
20	The swedish covid-19 intensive care cohort: Risk factors of ICU admission and ICU mortality. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 525-533.	0.7	59
21	A Neanderthal OAS1 isoform protects individuals of European ancestry against COVID-19 susceptibility and severity. <i>Nature Medicine</i> , 2021, 27, 659-667.	15.2	188
22	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.	1.6	27
23	Case report: An unusual presentation of renal hypertension after damage control surgery. <i>International Journal of Surgery Case Reports</i> , 2021, 82, 105872.	0.2	0
24	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.	0.9	6
25	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.	1.3	32
26	Critical illness polyneuropathy, myopathy and neuronal biomarkers in COVID-19 patients: A prospective study. <i>Clinical Neurophysiology</i> , 2021, 132, 1733-1740.	0.7	94
27	Evolution of NETosis markers and DAMPs have prognostic value in critically ill COVID-19 patients. <i>Scientific Reports</i> , 2021, 11, 15701.	1.6	56
28	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.	2.5	8
29	Systemic Human Neutrophil Lipocalin Associates with Severe Acute Kidney Injury in SARS-CoV-2 Pneumonia. <i>Journal of Clinical Medicine</i> , 2021, 10, 4144.	1.0	3
30	Histone H3 Cleavage in Severe COVID-19 ICU Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 694186.	1.8	25
31	Urinary cytokines correlate with acute kidney injury in critically ill COVID-19 patients. <i>Cytokine</i> , 2021, 146, 155589.	1.4	17
32	Plasma endostatin correlates with hypoxia and mortality in COVID-19-associated acute respiratory failure. <i>Biomarkers in Medicine</i> , 2021, 15, 1509-1517.	0.6	3
33	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.	0.9	3
34	The Contribution of Plasma Urea to Total Osmolality During Iatrogenic Fluid Reduction in Critically Ill Patients. <i>Function</i> , 2021, 3, zqab055.	1.1	4
35	Half of COVID-19 ICU-treated patients have impaired lung function four months after discharge. , 2021, , .		0
36	Surgical trauma is associated with renal immune cell activation in rats: A microarray study. <i>Physiological Reports</i> , 2021, 9, e15142.	0.7	1

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37	ECG pathology and its association with death in critically ill COVID-19 patients, a cohort study. PLoS ONE, 2021, 16, e0261315.	1.1	8
38	Inadequate prophylactic effect of low-molecular weight heparin in critically ill COVID-19 patients. Journal of Critical Care, 2020, 60, 249-252.	1.0	23
39	Weak anti-SARS-CoV-2 antibody response is associated with mortality in a Swedish cohort of COVID-19 patients in critical care. Critical Care, 2020, 24, 639.	2.5	10
40	Hyperreninemia and low total body water may contribute to acute kidney injury in COVID-19 patients in intensive care. Journal of Hypertension, 2020, 38, 1613-1614.	0.3	15
41	Blood type A associates with critical COVID-19 and death in a Swedish cohort. Critical Care, 2020, 24, 496.	2.5	22
42	Mannose-Binding Lectin is Associated with Thrombosis and Coagulopathy in Critically Ill COVID-19 Patients. Thrombosis and Haemostasis, 2020, 120, 1720-1724.	1.8	63
43	Optimal cutting temperature medium embedding and cryostat sectioning are valid for cardiac myofilament function assessment. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H235-H241.	1.5	0
44	Patient satisfaction with continuous epidural analgesia after major surgical procedures at a Swedish University hospital. PLoS ONE, 2020, 15, e0235636.	1.1	2
45	Analgesic effects of dexmedetomidine and remifentanyl on periprocedural pain during percutaneous ablation of renal carcinoma. Upsala Journal of Medical Sciences, 2020, 125, 52-57.	0.4	3
46	Presence of SARS-CoV-2 in urine is rare and not associated with acute kidney injury in critically ill COVID-19 patients. Critical Care, 2020, 24, 587.	2.5	30
47	Optimal Cutting Temperature Medium Embedding Is a Valid Method for Storing and Preparing Myocardial Biopsies Preceding Myofilament Function Assessment. FASEB Journal, 2020, 34, 1-1.	0.2	0
48	Quantitative trait loci associated with angiotensin II and high-salt diet induced acute decompensated heart failure in Balb/CJ mice. Physiological Genomics, 2019, 51, 279-289.	1.0	1
49	Time course of decompensation after angiotensin II and high-salt diet in Balb/CJ mice suggests pulmonary hypertension-induced cardiorenal syndrome. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R563-R570.	0.9	6
50	Angiotensin II and salt-induced decompensation in Balb/CJ mice is aggravated by fluid retention related to low oxidative stress. American Journal of Physiology - Renal Physiology, 2019, 316, F914-F933.	1.3	5
51	ADAMTS13 protects mice against renal ischemia-reperfusion injury by reducing inflammation and improving endothelial function. American Journal of Physiology - Renal Physiology, 2019, 316, F134-F145.	1.3	25
52	NFAT5 regulates renal gene expression in response to angiotensin II through Annexin-A2-mediated posttranscriptional regulation in hypertensive rats. American Journal of Physiology - Renal Physiology, 2019, 316, F101-F112.	1.3	7
53	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. FASEB Journal, 2019, 33, 550.10.	0.2	0
54	AT1a stimulation of tonicity-responsive enhancer binding protein (TonEBP/NFAT5) translation through Annexin-A2 may represent allostatic anticipation of increased tonicity. FASEB Journal, 2019, 33, .	0.2	0

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55	ICU mortality and variables associated with ICU survival in Poland. <i>European Journal of Anaesthesiology</i> , 2018, 35, 949-954.	0.7	25
56	Osthole Ameliorates Renal Fibrosis in Mice by Suppressing Fibroblast Activation and Epithelial-Mesenchymal Transition. <i>Frontiers in Physiology</i> , 2018, 9, 1650.	1.3	22
57	Comparison of acute kidney injury of different etiology reveals in-common mechanisms of tissue damage. <i>Physiological Genomics</i> , 2018, 50, 127-141.	1.0	43
58	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.	1.3	1
59	Inâ€Common And Unique Gene Expression Patterns In Acute Kidney Injury Of Different Aetiology Implicates MYCâ€Pathway In Damage Progression. <i>FASEB Journal</i> , 2018, 32, 849.7.	0.2	0
60	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.	0.2	0
61	Mortality rate is higher in Polish intensive care units than in other European countries. <i>Intensive Care Medicine</i> , 2017, 43, 1430-1432.	3.9	25
62	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.	3.9	20
63	câ€Jun Nâ€terminal Kinase mediates prostaglandinâ€induced sympathoexcitation in rats with chronic heart failure by reducing <sc>GAD</sc>1 and <sc>GABRA</sc>1 expression. <i>Acta Physiologica</i> , 2017, 219, 494-509.	1.8	3
64	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, 1709-1726.	1.3	13
65	Increased hydrogen peroxide impairs angiotensin <sc>II</sc> contractions of afferent arterioles in mice after renal ischaemiaâ€reperfusion injury. <i>Acta Physiologica</i> , 2016, 218, 136-145.	1.8	29
66	Renal oxygenation during haemorrhage is not aggravated by angiotensin II AT1â€receptor blockade. <i>Acta Physiologica</i> , 2016, 216, 153-155.	1.8	5
67	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.	1.6	6
68	Identification of a common molecular pathway in hypertensive renal damage. <i>Journal of Hypertension</i> , 2015, 33, 584-596.	0.3	7
69	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, 126-135.	0.3	14
70	Noradrenaline enhances angiotensin II responses via p38 MAPK activation after hypoxia/reâ€oxygenation in renal interlobar arteries. <i>Acta Physiologica</i> , 2015, 213, 920-932.	1.8	14
71	Caloric restriction reduces ageâ€related but not allâ€cause mortality. <i>Acta Physiologica</i> , 2015, 214, 3-5.	1.8	5
72	Commentaries on Viewpoint: Can elite athletes benefit from dietary nitrate supplementation?. <i>Journal of Applied Physiology</i> , 2015, 119, 762-769.	1.2	15

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73	Matrix Metalloproteinase-2 Knockout and Heterozygote Mice Are Protected from Hydronephrosis and Kidney Fibrosis after Unilateral Ureteral Obstruction. PLoS ONE, 2015, 10, e0143390.	1.1	27
74	Renal neurohormonal regulation in heart failure decompensation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R493-R497.	0.9	32
75	Ingrid Toft (June 2, 1959–April 26, 2014). Blood Pressure, 2014, 23, 255-255.	0.7	0
76	Sex-specific prevalence of fatty liver disease and associated metabolic factors in Wuhan, south central China. European Journal of Gastroenterology and Hepatology, 2014, 26, 1015-1021.	0.8	40
77	Validation of Uromodulin as a Candidate Gene for Human Essential Hypertension. Hypertension, 2014, 63, 551-558.	1.3	100
78	Intradermal Insulin Delivery. Journal of Diabetes Science and Technology, 2014, 8, 453-457.	1.3	31
79	Genomic differences in glutathione metabolism determines susceptibility to cardiorenal failure in mice (860.11). FASEB Journal, 2014, 28, 860.11.	0.2	0
80	Lower oxidative stress is associated with angiotensin II and salt-induced acute cardiorenal failure in BalbC mice but not C57Black6 (860.10). FASEB Journal, 2014, 28, 860.10.	0.2	0
81	Nucleic acid binding of annexin A2 is regulated through angiotensin II/AT1 signaling in kidneys of hypertensive rats (1088.2). FASEB Journal, 2014, 28, 1088.2.	0.2	0
82	Prevalence and associated metabolic factors of fatty liver disease in the elderly. Experimental Gerontology, 2013, 48, 705-709.	1.2	58
83	Arterial damage precedes the development of interstitial damage in the nonclipped kidney of two-kidney, one-clip hypertensive rats. Journal of Hypertension, 2013, 31, 152-159.	0.3	20
84	Nitric oxide in afferent arterioles after uninephrectomy depends on extracellular arginine. American Journal of Physiology - Renal Physiology, 2013, 304, F1088-F1098.	1.3	2
85	Neurohormonal interactions on the renal oxygen delivery and consumption in haemorrhagic shock-induced acute kidney injury. Acta Physiologica, 2013, 209, 11-25.	1.8	30
86	Renal ischemia-reperfusion (I/R) injury induces a rapid activation of local inflammatory markers and causes increased peritubular permeability. FASEB Journal, 2013, 27, 682.10.	0.2	0
87	Attenuated contractility in afferent arterioles during development of proteinuria in two-kidney, one-clip hypertensive rats. FASEB Journal, 2013, 27, 1110.15.	0.2	0
88	Proteomic analysis of outer and juxtamedullary cortex of non-clipped kidneys in 2K1C hypertensive rats. FASEB Journal, 2013, 27, 909.15.	0.2	0
89	Collagen-binding proteins in age-dependent changes in renal collagen turnover: microarray analysis of mRNA expression. Physiological Genomics, 2012, 44, 576-586.	1.0	7
90	Development of structural kidney damage in spontaneously hypertensive rats. Journal of Hypertension, 2012, 30, 1087-1091.	0.3	71

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91	MMP2 deficient mice are protected from hydronephrosis after unilateral urethral obstruction. FASEB Journal, 2012, 26, 868.12.	0.2	1
92	Renal extracellular matrix in three rat models of hypertensive kidney damage: A microarray study of SHR, SHRSP and 2K1C. FASEB Journal, 2012, 26, 872.32.	0.2	0
93	Adenosine sensitization after angiotensin II stimulation in afferent arterioles from normal rats does not occur during two-kidney, one-clip hypertension. Acta Physiologica, 2011, 201, 289-294.	1.8	11
94	Afferent arteriopathy and glomerular collapse but not segmental sclerosis induce tubular atrophy in old spontaneously hypertensive rats. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2011, 459, 99-108.	1.4	28
95	Osteopontin is upregulated in damaged non-clipped kidney cortex from rats with renal hypertension. FASEB Journal, 2010, 24, 791.4.	0.2	0
96	Trefoil factor-3 is down regulated while CYP24a1 is increased in the ageing rat kidney. FASEB Journal, 2010, 24, 791.5.	0.2	0
97	Norepinephrine increases calcium sensitivity of mouse afferent arteriole, thereby enhancing angiotensin II-mediated vasoconstriction. Kidney International, 2009, 76, 953-959.	2.6	16
98	AT ₁ receptor activation regulates the mRNA expression of CAT1, CAT2, arginase-1, and DDAH2 in preglomerular vessels from angiotensin II hypertensive rats. American Journal of Physiology - Renal Physiology, 2009, 297, F163-F168.	1.3	14
99	Angiotensin II-induced contraction is attenuated by nitric oxide in afferent arterioles from the non-clipped kidney in 2K1C. American Journal of Physiology - Renal Physiology, 2009, 296, F78-F86.	1.3	24
100	Sympathectomy suppresses tumor growth and alters gene expression profiles in rat tongue cancer. European Journal of Oral Sciences, 2009, 117, 351-361.	0.7	20
101	Renal vascular L-arginine metabolism, NO release and contraction in Angiotensin II hypertensive rats. FASEB Journal, 2009, 23, 606.6.	0.2	0
102	Norepinephrine Treatment Enhances the Constriction of the Afferent Arterioles to Angiotensin II by Increasing the Calcium Sensitivity. FASEB Journal, 2009, 23, 804.2.	0.2	0
103	Renal damage in the non-clipped kidney in two kidney one clip rat is most pronounced in the juxtamedullary cortex. FASEB Journal, 2009, 23, 1017.12.	0.2	0
104	Tetradecylthioacetic acid downregulates cyclooxygenase 2 in the renal cortex of two-kidney, one-clip hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1866-R1873.	0.9	6
105	Collagen metabolism and renal damage in 2k1c rats. FASEB Journal, 2008, 22, 968.5.	0.2	0
106	Compensatory hyperfiltration and NO in 2k1c and uninephrectomized rats. FASEB Journal, 2008, 22, 761.4.	0.2	0
107	Moderate hypothermia induces a preferential increase in pancreatic islet blood flow in anesthetized rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1438-R1443.	0.9	1
108	Adenosine triphosphate increases the reactivity of the afferent arteriole to low concentrations of norepinephrine. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2225-R2231.	0.9	12

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109	Upregulation of tissue inhibitor of metalloproteases-1 (TIMP-1) and procollagen-N-peptidase in hypertension-induced renal damage. <i>Nephrology Dialysis Transplantation</i> , 2007, 23, 896-903.	0.4	29
110	Protein expression of factors involved in the development of renal interstitial fibrosis in old SHR. <i>FASEB Journal</i> , 2007, 21, A899.	0.2	0
111	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.	0.2	0
112	Prevention of Hypertension and Organ Damage in 2-Kidney, 1-Clip Rats by Tetradecylthioacetic Acid. <i>Hypertension</i> , 2006, 48, 460-466.	1.3	18