Michael HultstrÃ¶m

List of Publications by Year
in descending order

112	1,967	257357	330025
papers	citations	24 h-index	37 g-index

126	126	126	3476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Neanderthal OAS1 isoform protects individuals of European ancestry against COVID-19 susceptibility and severity. Nature Medicine, 2021, 27, 659-667.	15.2	188
2	Validation of Uromodulin as a Candidate Gene for Human Essential Hypertension. Hypertension, 2014, 63, 551-558.	1.3	100
3	Critical illness polyneuropathy, myopathy and neuronal biomarkers in COVID-19 patients: A prospective study. Clinical Neurophysiology, 2021, 132, 1733-1740.	0.7	94
4	Development of structural kidney damage in spontaneously hypertensive rats. Journal of Hypertension, 2012, 30, 1087-1091.	0.3	71
5	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
6	The swedish covidâ€19 intensive care cohort: Risk factors of ICU admission and ICU mortality. Acta Anaesthesiologica Scandinavica, 2021, 65, 525-533.	0.7	59
7	Prevalence and associated metabolic factors of fatty liver disease in the elderly. Experimental Gerontology, 2013, 48, 705-709.	1.2	58
8	Evolution of NETosis markers and DAMPs have prognostic value in critically ill COVID-19 patients. Scientific Reports, 2021, 11, 15701.	1.6	56
9	Increased levels of plasma cytokines and correlations to organ failure and 30-day mortality in critically ill Covid-19 patients. Cytokine, 2021, 138, 155389.	1.4	50
10	The Outcome of Critically Ill COVID-19 Patients Is Linked to Thromboinflammation Dominated by the Kallikrein/Kinin System. Frontiers in Immunology, 2021, 12, 627579.	2.2	49
11	Comparison of acute kidney injury of different etiology reveals in-common mechanisms of tissue damage. Physiological Genomics, 2018, 50, 127-141.	1.0	43
12	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
13	COVIDâ€19 patients in intensive care develop predominantly oliguric acute kidney injury. Acta Anaesthesiologica Scandinavica, 2021, 65, 364-372.	0.7	35
14	Renal neurohormonal regulation in heart failure decompensation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R493-R497.	0.9	32
15	Impaired diffusing capacity for carbon monoxide is common in critically ill Covid-19 patients at four months post-discharge. Respiratory Medicine, 2021, 182, 106394.	1.3	32
16	Intradermal Insulin Delivery. Journal of Diabetes Science and Technology, 2014, 8, 453-457.	1.3	31
17	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
18	Severe acute kidney injury associated with progression of chronic kidney disease after critical COVID-19. Critical Care, 2021, 25, 37.	2.5	30

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19	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
20	Upregulation of tissue inhibitor of metalloproteases-1 (TIMP-1) and procollagen-N-peptidase in hypertension-induced renal damage. Nephrology Dialysis Transplantation, 2007, 23, 896-903.	0.4	29
21	Increased hydrogen peroxide impairs angiotensin <scp>II</scp> contractions of afferent arterioles in mice after renal ischaemiaâ€“reperfusion injury. Acta Physiologica, 2016, 218, 136-145.	1.8	29
22	Afferent arteriolopathy 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
23	The impact of viremia on organ failure, biomarkers and mortality in a Swedish cohort of critically ill COVID-19 patients. Scientific Reports, 2021, 11, 7163.	1.6	27
24	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
25	Mortality rate is higher in Polish intensive care units than in other European countries. Intensive Care Medicine, 2017, 43, 1430-1432.	3.9	25
26	ICU mortality and variables associated with ICU survival in Poland. European Journal of Anaesthesiology, 2018, 35, 949-954.	0.7	25
27	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
28	Histone H3 Cleavage in Severe COVID-19 ICU Patients. Frontiers in Cellular and Infection Microbiology, 2021, 11, 694186.	1.8	25
29	Angiotensin II-induced contraction is attenuated by nitric oxide in afferent arterioles from the nonclipped kidney in 2K1C. American Journal of Physiology - Renal Physiology, 2009, 296, F78-F86.	1.3	24
30	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
31	Osthole Ameliorates Renal Fibrosis in Mice by Suppressing Fibroblast Activation and Epithelial-Mesenchymal Transition. Frontiers in Physiology, 2018, 9, 1650.	1.3	22
32	Blood type A associates with critical COVID-19 and death in a Swedish cohort. Critical Care, 2020, 24, 496.	2.5	22
33	Soluble TNF receptors predict acute kidney injury and mortality in critically ill COVID-19 patients: A prospective observational study. Cytokine, 2022, 149, 155727.	1.4	22
34	Common, low-frequency, rare, and ultra-rare coding variants contribute to COVID-19 severity. Human Genetics, 2022, 141, 147-173.	1.8	22
35	Sympathectomy suppresses tumor growth and alters geneâ€expression profiles in rat tongue cancer. European Journal of Oral Sciences, 2009, 117, 351-361.	0.7	20
36	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

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37	Mortality rate in Polish intensive care units is lower than predicted according to the APACHE II scoring system. Intensive Care Medicine, 2017, 43, 1745-1746.	3.9	20
38	Plasma Leptin Is Increased in Intensive Care Patients with COVID-19â€"An Investigation Performed in the PronMed-Cohort. Biomedicines, 2022, 10, 4.	1.4	19
39	Prevention of Hypertension and Organ Damage in 2-Kidney, 1-Clip Rats by Tetradecylthioacetic Acid. Hypertension, 2006, 48, 460-466.	1.3	18
40	Urinary cytokines correlate with acute kidney injury in critically ill COVID-19 patients. Cytokine, 2021, 146, 155589.	1.4	17
41	Norepinephrine increases calcium sensitivity of mouse afferent arteriole, thereby enhancing angiotensin IIâ€"mediated vasoconstriction. Kidney International, 2009, 76, 953-959.	2.6	16
42	Commentaries on Viewpoint: Can elite athletes benefit from dietary nitrate supplementation?. Journal of Applied Physiology, 2015, 119, 762-769.	1.2	15
43	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
44	AT₁ 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
45	Distinct protein signature of hypertension-induced damage in the renal proteome of the two-kidney, one-clip rat model. Journal of Hypertension, 2015, 33, 126-135.	0.3	14
46	Noradrenaline enhances angiotensin II responses via p38 MAPK activation after hypoxia/reâ€oxygenation in renal interlobar arteries. Acta Physiologica, 2015, 213, 920-932.	1.8	14
47	Unilateral renal ischaemia in rats induces a rapid secretion of inflammatory markers to renal lymph and increased capillary permeability. Journal of Physiology, 2016, 594, 1709-1726.	1.3	13
48	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. Therapeutic Advances in Infectious Disease, 2021, 8, 204993612110340.	1.1	13
49	The extent of neuroradiological findings in COVID-19 shows correlation with blood biomarkers, Glasgow coma scale score and days in intensive care. Journal of Neuroradiology, 2022, 49, 421-427.	0.6	13
50	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
51	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
52	Neutrophil extracellular traps promote cancer-associated inflammation and myocardial stress. OncoImmunology, 2022, 11, 2049487.	2.1	11
53	How the Innate Immune System of the Blood Contributes to Systemic Pathology in COVID-19-Induced ARDS and Provides Potential Targets for Treatment. Frontiers in Immunology, 2022, 13, 840137.	2.2	11
54	Angiopoietin-2 Inhibition of Thrombomodulin-Mediated Anticoagulationâ€"A Novel Mechanism That May Contribute to Hypercoagulation in Critically Ill COVID-19 Patients. Biomedicines, 2022, 10, 1333.	1.4	11

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55	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
56	Intensive careâ€treated COVIDâ€19 patientsâ€™ perception of their illness and remaining symptoms. Acta Anaesthesiologica Scandinavica, 2022, 66, 240-247.	0.7	9
57	A quantitative analysis of extension and distribution of lung injury in COVID-19: a prospective study based on chest computed tomography. Critical Care, 2021, 25, 276.	2.5	8
58	ECG pathology and its association with death in critically ill COVID-19 patients, a cohort study. PLoS ONE, 2021, 16, e0261315.	1.1	8
59	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
60	Identification of a common molecular pathway in hypertensive renal damage. Journal of Hypertension, 2015, 33, 584-596.	0.3	7
61	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
62	Limitations of the ARDS criteria during high-flow oxygen or non-invasive ventilation: evidence from critically ill COVID-19 patients. Critical Care, 2022, 26, 55.	2.5	7
63	Genetic determinants of mannose-binding lectin activity predispose to thromboembolic complications in critical COVID-19. Nature Immunology, 2022, 23, 861-864.	7.0	7
64	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
65	Sympathoexcitation in Rats With Chronic Heart Failure Depends on Homeobox D10 and MicroRNA-7b Inhibiting GABBR1 Translation in Paraventricular Nucleus. Circulation: Heart Failure, 2016, 9, e002261.	1.6	6
66	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
67	Point of care ultrasound screening for deep vein thrombosis in critically ill COVID-19 patients, an observational study. Thrombosis Journal, 2021, 19, 38.	0.9	6
68	Caloric restriction reduces ageâ€related but not allâ€cause mortality. Acta Physiologica, 2015, 214, 3-5.	1.8	5
69	Renal oxygenation during haemorrhage is not aggravated by angiotensin II AT1â€receptor blockade. Acta Physiologica, 2016, 216, 153-155.	1.8	5
70	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
71	The Contribution of Plasma Urea to Total Osmolality During Iatrogenic Fluid Reduction in Critically Ill Patients. Function, 2021, 3, zqab055.	1.1	4
72	The Evolution of Blood Cell Phenotypes, Intracellular and Plasma Cytokines and Morphological Changes in Critically Ill COVID-19 Patients. Biomedicines, 2022, 10, 934.	1.4	4

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73	câ€Jun Nâ€terminal Kinase mediates prostaglandinâ€induced sympathoexcitation in rats with chronic heart failure by reducing <scp>GAD</scp>1 and <scp>GABRA</scp>1 expression. Acta Physiologica, 2017, 219, 494-509.	1.8	3
74	Analgesic effects of dexmedetomidine and remifentanil on periprocedural pain during percutaneous ablation of renal carcinoma. Upsala Journal of Medical Sciences, 2020, 125, 52-57.	0.4	3
75	Systemic Human Neutrophil Lipocalin Associates with Severe Acute Kidney Injury in SARS-CoV-2 Pneumonia. Journal of Clinical Medicine, 2021, 10, 4144.	1.0	3
76	Plasma endostatin correlates with hypoxia and mortality in COVID-19-associated acute respiratory failure. Biomarkers in Medicine, 2021, 15, 1509-1517.	0.6	3
77	Plasma hyaluronan, hyaluronidase activity and endogenous hyaluronidase inhibition in sepsis: an experimental and clinical cohort study. Intensive Care Medicine Experimental, 2021, 9, 53.	0.9	3
78	Nitric oxide in afferent arterioles after uninephrectomy depends on extracellular<scp>l</scp>-arginine. American Journal of Physiology - Renal Physiology, 2013, 304, F1088-F1098.	1.3	2
79	Patient satisfaction with continuous epidural analgesia after major surgical procedures at a Swedish University hospital. PLoS ONE, 2020, 15, e0235636.	1.1	2
80	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
81	Losartan does not decrease renal oxygenation and norepinephrine effects in rats after resuscitated hemorrhage. American Journal of Physiology - Renal Physiology, 2018, 315, F241-F246.	1.3	1
82	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
83	MMP2 deficient mice are protected from hydronephrosis after unilateral urethral obstruction. FASEB Journal, 2012, 26, 868.12.	0.2	1
84	Surgical trauma is associated with renal immune cell activation in rats: A microarray study. Physiological Reports, 2021, 9, e15142.	0.7	1
85	Infectious SARS-CoV-2 is rarely present in the nasopharynx samples collected from Swedish hospitalized critically ill COVID-19 patients. Irish Journal of Medical Science, 2022, , 1.	0.8	1
86	Impaired Antibody Response Is Associated with Histone-Release, Organ Dysfunction and Mortality in Critically Ill COVID-19 Patients. Journal of Clinical Medicine, 2022, 11, 3419.	1.0	1
87	Ingrid Toft (June 2, 1959â€“April 26, 2014). Blood Pressure, 2014, 23, 255-255.	0.7	0
88	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
89	Case report: An unusual presentation of renal hypertension after damage control surgery. International Journal of Surgery Case Reports, 2021, 82, 105872.	0.2	0
90	Protein expression of factors involved in the development of renal interstitial fibrosis in old SHR. FASEB Journal, 2007, 21, A899.	0.2	0

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91	The mRNA expression of eNOS, iNOS and Lâ€arginine transporters in the afferent arterioles (AA) of 2K1C hypertensive rats. FASEB Journal, 2007, 21, A899.	0.2	0
92	Collagen metabolism and renal damage in 2k1c rats. FASEB Journal, 2008, 22, 968.5.	0.2	0
93	Compensatory hyperfiltration and NO in 2k1c and uninephrectomized rats. FASEB Journal, 2008, 22, 761.4.	0.2	0
94	Renal vascular Lâ€arginine metabolism, NO release and contraction in Angiotensin II hypertensive rats. FASEB Journal, 2009, 23, 606.6.	0.2	0
95	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
96	Renal damage in the nonâ€clipped kidney in two kidney one clip rat is most pronounced in the juxtamedullary cortex.. FASEB Journal, 2009, 23, 1017.12.	0.2	0
97	Osteopontin is upregulated in damaged nonâ€clipped kidney cortex from rats with renal hypertension. FASEB Journal, 2010, 24, 791.4.	0.2	0
98	Trefoil factorâ€3 is down regulated while CYP24a1 is increased in the ageing rat kidney. FASEB Journal, 2010, 24, 791.5.	0.2	0
99	Renal extracellular matrix in three ratâ€models of hypertensive kidney damage: A microarray study of SHR, SHRSP and 2K1C. FASEB Journal, 2012, 26, 872.32.	0.2	0
100	Renal ischemiaâ€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
101	Attenuated contractility in afferent arterioles during development of proteinuria in twoâ€kidney, oneâ€clip hypertensive rats. FASEB Journal, 2013, 27, 1110.15.	0.2	0
102	Proteomic analysis of outer and juxtamedullary cortex of nonâ€clipped kidneys in 2K1C hypertensive rats. FASEB Journal, 2013, 27, 909.15.	0.2	0
103	Genomic differences in glutathione metabolism determines susceptibility to cardiorenal failure in mice (860.11). FASEB Journal, 2014, 28, 860.11.	0.2	0
104	Lower oxidative stress is associated with angiotensin II and saltâ€induced acute cardiorenal failure in BalbC mice but not C57Black6 (860.10). FASEB Journal, 2014, 28, 860.10.	0.2	0
105	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
106	Inâ€Common And Unique Gene Expression Patterns In Acute Kidney Injury Of Different Aetiology Implicates MYCâ€Pathway In Damage Progression. FASEB Journal, 2018, 32, 849.7.	0.2	0
107	BALB/cJBom Treated with Angiotensin II and High Salt Diet Develop Pulmonary Hypertension and Right Sided Heart Failure while C57BL/6J Mice do not. FASEB Journal, 2018, 32, 892.10.	0.2	0
108	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

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109	AT1a stimulation of tonicityâ€responsive enhancer binding protein (TonEBP/NFAT5) translation through Annexinâ€A2 may represent allostatic anticipation of increased tonicity. FASEB Journal, 2019, 33, .	0.2	0
110	Optimal Cutting Temperature Mediumâ€Embedding Is a Valid Method for Storing and Preparing Myocardial Biopsies Preceding Myofilament Functionâ€Assessment. FASEB Journal, 2020, 34, 1-1.	0.2	0
111	Half of COVID-19 ICU-treated patients have impaired lung function four months after discharge. , 2021, , .		0
112	Iatrogenic dehydration drives organic osmolyte production in critical COVIDâ€19. FASEB Journal, 2022, 36, .	0.2	0