M Van Meurs

List of Publications by Citations

89 papers	1,553 citations	21 h-index	35 g-index
98 ext. papers	1,940 ext. citations	6.1 avg, IF	4.7 L-index

#	Paper	IF	Citations
89	Incidence, timing and outcome of AKI in critically ill patients varies with the definition used and the addition of urine output criteria. *BMC Nephrology*, **2017**, 18, 70	2.7	102
88	Bench-to-bedside review: Angiopoietin signalling in critical illness - a future target?. *Critical Care*, **2009**, 13, 207	10.8	84
87	MicroRNA-126 contributes to renal microvascular heterogeneity of VCAM-1 protein expression in acute inflammation. *American Journal of Physiology - Renal Physiology*, **2012**, 302, F1630-9	4.3	81
86	Trends in vital signs and routine biomarkers in sepsis patients during resuscitation in the emergency department: a prospective observational pilot study. *Intensive Care Medicine Experimental*, **2015**, 3,	3.7	78
85	Time course of angiopoietin-2 release during experimental human endotoxemia and sepsis. *Critical Care*, **2009**, 13, R64	10.8	74
84	Acute administration of recombinant Angiopoietin-1 ameliorates multiple-organ dysfunction syndrome and improves survival in murine sepsis. *Cytokine*, **2011**, 55, 251-9	4	68
83	Early organ-specific endothelial activation during hemorrhagic shock and resuscitation. *Shock*, **2008**, 29, 291-9	3.4	52
82	Leptin exacerbates sepsis-mediated morbidity and mortality. *Journal of Immunology*, **2010**, 185, 517-24	5.3	51
81	Kidney histopathology in lethal human sepsis. *Critical Care*, **2018**, 22, 359	10.8	47
80	Kidney Infarction in Patients With COVID-19. *American Journal of Kidney Diseases*, **2020**, 76, 431-435	7.4	43
79	Shock-induced stress induces loss of microvascular endothelial Tie2 in the kidney which is not associated with reduced glomerular barrier function. *American Journal of Physiology - Renal Physiology*, **2009**, 297, F272-81	4.3	42
78	Off-pump CABG surgery reduces systemic inflammation compared with on-pump surgery but does not change systemic endothelial responses: a prospective randomized study. *Shock*, **2014**, 42, 121-8	3.4	39
77	Human alternative Klotho mRNA is a nonsense-mediated mRNA decay target inefficiently spliced in renal disease. *JCI Insight*, **2017**, 2,	9.9	39
76	Leptin levels in SARS-CoV-2 infection related respiratory failure: A cross-sectional study and a pathophysiological framework on the role of fat tissue. *Heliyon*, **2020**, 6, e04696	3.6	37
75	Organ-Specific Differences in Endothelial Permeability-Regulating Molecular Responses in Mouse and Human Sepsis. *Shock*, **2017**, 48, 69-77	3.4	35
74	The flow dependency of Tie2 expression in endotoxemia. *Intensive Care Medicine*, **2013**, 39, 1262-71	14.5	34
73	Sepsis patients in the emergency department: stratification using the Clinical Impression Score, Predisposition, Infection, Response and Organ dysfunction score or quick Sequential Organ Failure Assessment score?. *European Journal of Emergency Medicine*, **2018**, 25, 328-334	2.3	32

72	Angiopoietin-1 treatment reduces inflammation but does not prevent ventilator-induced lung injury. *PLoS ONE*, **2010**, 5, e15653	3.7	27
71	Intracellular RIG-I Signaling Regulates TLR4-Independent Endothelial Inflammatory Responses to Endotoxin. *Journal of Immunology*, **2016**, 196, 4681-91	5.3	25
70	How central obesity influences intra-abdominal pressure: a prospective, observational study in cardiothoracic surgical patients. *Annals of Intensive Care*, **2016**, 6, 99	8.9	24
69	Angiopoietin/Tie2 Dysbalance Is Associated with Acute Kidney Injury after Cardiac Surgery Assisted by Cardiopulmonary Bypass. *PLoS ONE*, **2015**, 10, e0136205	3.7	23
68	Vasculotide, an Angiopoietin-1 Mimetic, Restores Microcirculatory Perfusion and Microvascular Leakage and Decreases Fluid Resuscitation Requirements in Hemorrhagic Shock. *Anesthesiology*, **2018**, 128, 361-374	4.3	21
67	Identification of LPS-Activated Endothelial Subpopulations With Distinct Inflammatory Phenotypes and Regulatory Signaling Mechanisms. *Frontiers in Immunology*, **2019**, 10, 1169	8.4	20
66	Age-dependent role of microvascular endothelial and polymorphonuclear cells in lipopolysaccharide-induced acute kidney injury. *Anesthesiology*, **2012**, 117, 126-36	4.3	20
65	Impaired microcirculatory perfusion in a rat model of cardiopulmonary bypass: the role of hemodilution. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H550-8	5.2	19
64	Vasculotide, an angiopoietin-1 mimetic, reduces pulmonary vascular leakage and preserves microcirculatory perfusion during cardiopulmonary bypass in rats. *British Journal of Anaesthesia*, **2018**, 121, 1041-1051	5.4	19
63	Abrupt reflow enhances cytokine-induced proinflammatory activation of endothelial cells during simulated shock and resuscitation. *Shock*, **2014**, 42, 356-64	3.4	18
62	Adiponectin diminishes organ-specific microvascular endothelial cell activation associated with sepsis. *Shock*, **2012**, 37, 392-8	3.4	18
61	The renal angiopoietin/Tie2 system in lethal human sepsis. *Critical Care*, **2014**, 18, 423	10.8	17
60	Pleiotropic effects of angiopoietin-2 deficiency do not protect mice against endotoxin-induced acute kidney injury. *Nephrology Dialysis Transplantation*, **2013**, 28, 567-75	4.3	16
59	A human model of intra-abdominal hypertension: even slightly elevated pressures lead to increased acute systemic inflammation and signs of acute kidney injury. *Critical Care*, **2013**, 17, 425	10.8	15
58	Renal Klotho is Reduced in Septic Patients and Pretreatment With Recombinant Klotho Attenuates Organ Injury in Lipopolysaccharide-Challenged Mice. *Critical Care Medicine*, **2018**, 46, e1196-e1203	1.4	15
57	Low Serum Angiopoietin-1, High Serum Angiopoietin-2, and High Ang-2/Ang-1 Protein Ratio are Associated with Early Onset Sepsis in Surinamese Newborns. *Shock*, **2017**, 48, 638-643	3.4	14
56	Endothelium-targeted delivery of dexamethasone by anti-VCAM-1 SAINT-O-Somes in mouse endotoxemia. *PLoS ONE*, **2018**, 13, e0196976	3.7	14
55	Adjunct nitrous oxide normalizes vascular reactivity changes after hemorrhagic shock in mice under isoflurane anesthesia. *Anesthesiology*, **2009**, 111, 600-8	4.3	14

54	Sepsis is associated with mitochondrial DNA damage and a reduced mitochondrial mass in the kidney of patients with sepsis-AKI. *Critical Care*, **2021**, 25, 36	10.8	14
53	Repeated vital sign measurements in the emergency department predict patient deterioration within 72 hours: a prospective observational study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, **2018**, 26, 57	3.6	13
52	Reduction of vascular leakage by imatinib is associated with preserved microcirculatory perfusion and reduced renal injury markers in a rat model of cardiopulmonary bypass. *British Journal of Anaesthesia*, **2018**, 120, 1165-1175	5.4	13
51	Endothelial Interferon Regulatory Factor 1 Regulates Lipopolysaccharide-Induced VCAM-1 Expression Independent of NFB. *Journal of Innate Immunity*, **2017**, 9, 546-560	6.9	13
50	Hemorrhagic shock-induced endothelial cell activation in a spontaneous breathing and a mechanical ventilation hemorrhagic shock model is induced by a proinflammatory response and not by hypoxia. *Anesthesiology*, **2011**, 115, 474-82	4.3	13
49	Trends in vital signs and routine biomarkers in patients with sepsis during resuscitation in the emergency department: a prospective observational pilot study. *BMJ Open*, **2016**, 6, e009718	3	13
48	Histone Deacetylase Inhibition and IB Kinase/Nuclear Factor-B Blockade Ameliorate Microvascular Proinflammatory Responses Associated With Hemorrhagic Shock/Resuscitation in Mice. *Critical Care Medicine*, **2015**, 43, e567-80	1.4	12
47	Disseminated Rhodococcus equi infection in a kidney transplant patient without initial pulmonary involvement. *Diagnostic Microbiology and Infectious Disease*, **2009**, 65, 427-30	2.9	12
46	Metabolic Resuscitation Strategies to Prevent Organ Dysfunction in Sepsis. *Antioxidants and Redox Signaling*, **2019**, 31, 134-152	8.4	12
45	Preventable mortality evaluation in the ICU. *Critical Care*, **2012**, 16, 309	10.8	11
44	Does low angiopoietin-1 predict adverse outcome in sepsis?. *Critical Care*, **2010**, 14, 180	10.8	11
43	Neutrophil-endothelial interactions in respiratory syncytial virus bronchiolitis: An understudied aspect with a potential for prediction of severity of disease. *Journal of Clinical Virology*, **2020**, 123, 104258	14.5	10
42	Indoleamine-2,3-dioxygenase activity in experimental human endotoxemia. *Experimental & Translational Stroke Medicine*, **2012**, 4, 24		9
41	Molecular Regulation of Acute Tie2 Suppression in Sepsis. *Critical Care Medicine*, **2018**, 46, e928-e936	1.4	9
40	Rapid free thiol rebound is a physiological response following cold-induced vasoconstriction in healthy humans, primary Raynaud and systemic sclerosis. *Physiological Reports*, **2019**, 7, e14017	2.6	7
39	Partial Deletion of Tie2 Affects Microvascular Endothelial Responses to Critical Illness in A Vascular Bed and Organ-Specific Way. *Shock*, **2019**, 51, 757-769	3.4	7
38	Protocol of the sepsivit study: a prospective observational study to determine whether continuous heart rate variability measurement during the first 48 hours of hospitalisation provides an early warning for deterioration in patients presenting with infection or sepsis to the emergency department of a Dutch academic teaching hospital. *BMJ Open*, **2017**, 7, e018259	3	7
37	Serum concentrations of endothelial cell adhesion molecules and their shedding enzymes and early onset sepsis in newborns in Suriname. *BMJ Paediatrics Open*, **2018**, 2, e000312	2.4	7

36	Markers of endothelial cell activation in suspected late onset neonatal sepsis in Surinamese newborns: a pilot study. *Translational Pediatrics*, **2019**, 8, 412-418	4.2	6
35	Early Heterogenic Response of Renal Microvasculature to Hemorrhagic Shock/Resuscitation and the Influence of NF-B Pathway Blockade. *Shock*, **2019**, 51, 200-212	3.4	6
34	Plasma neutrophil gelatinase-associated lipocalin at intensive care unit admission as a predictor of acute kidney injury progression. *CKJ: Clinical Kidney Journal*, **2020**, 13, 994-1002	4.5	5
33	Prehospital antibiotics for sepsis: beyond mortality?. *Lancet Respiratory Medicine,the*, **2018**, 6, e8	35.1	5
32	Renal microvascular endothelial cell responses in sepsis-induced acute kidney injury. *Nature Reviews Nephrology*, **2021**,	14.9	5
31	Identifying Sepsis Phenotypes. *JAMA - Journal of the American Medical Association*, **2019**, 322, 1416	27.4	4
30	Peripherally inserted central catheters: a walk down memory lane. *Critical Care*, **2012**, 16, 418; author reply 418	10.8	4
29	Reticulocyte counts and their relation to hemoglobin levels in trauma patients. *Journal of Trauma*, **2009**, 67, 121-4		4
28	Intra-abdominal hypertension and abdominal compartment syndrome in patients admitted to the ICU. *Annals of Intensive Care*, **2020**, 10, 130	8.9	4
27	Acute Kidney Injury is Associated with Lowered Plasma-Free Thiol Levels. *Antioxidants*, **2020**, 9,	7.1	4
26	Comparison of renal histopathology and gene expression profiles between severe COVID-19 and bacterial sepsis in critically ill patients. *Critical Care*, **2021**, 25, 202	10.8	4
25	DAMPening COVID-19 Severity by Attenuating Danger Signals. *Frontiers in Immunology*, **2021**, 12, 720198	8.4	4
24	Post-Mortem Diagnostics in COVID-19 AKI, More Often but Timely. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 255	12.7	3
23	Immune Modulatory Effects of Nonsteroidal Anti-inflammatory Drugs in the Perioperative Period and Their Consequence on Postoperative Outcome.. *Anesthesiology*, **2022**,	4.3	3
22	A Method to Improve Continuous Renal Replacement Therapy Circuit Survival Time in Critically Ill Coronavirus Disease 2019 Patients With Acute Kidney Injury **2020**, 2, e0258		2
21	Severe mesenteric ischemia with multiple organ failure in a patient previously treated with a humanized monoclonal antibody against programmed death receptor-1 (pembrolizumab), a case of pembrolizumab associated catastrophic antiphospholipid syndrome?. *SAGE Open Medical Case Reports*, **2020**, 8, 2050313X20972225	0.7	2
20	Intra-Abdominal Pressure, Acute Kidney Injury, and Obesity in Critical Illness. *Critical Care Medicine*, **2016**, 44, e766-7	1.4	2
19	Heterogenous Renal Injury Biomarker Production Reveals Human Sepsis-Associated Acute Kidney Injury Subtypes **2019**, 1, e0047		2

18	Pharmacological inhibition of focal adhesion kinase 1 (FAK1) and anaplastic lymphoma kinase (ALK) identified via kinome profile analysis attenuates lipopolysaccharide-induced endothelial inflammatory activation. *Biomedicine and Pharmacotherapy*, **2021**, 133, 111073	7.5	2
17	There Are More Things in Heaven and Earth, Horatio, Than Are Dreamt of in Our Philosophy. *Critical Care Medicine*, **2017**, 45, e740	1.4	1
16	AKI: an enlightening acronym with a shadow side. *Kidney International*, **2020**, 97, 1301	9.9	1
15	Augmented renal clearance in critically ill: advantage or threat. *Critical Care Medicine*, **2014**, 42, e602	1.4	1
14	A 28-year-old man with air in the mediastinal space after a car accident. *Anesthesiology*, **2012**, 117, 878	4.3	1
13	Intra-abdominal hypertension and abdominal compartment syndrome in critically ill patients: A narrative review of past, present, and future steps. *Scandinavian Journal of Surgery*, **2021**, 14574969211030128	3.1	1
12	Bundled care in acute kidney injury in critically ill patients, a before-after educational intervention study. *BMC Nephrology*, **2020**, 21, 381	2.7	1
11	Biomarkers or Clinical Observations to Identify (Outcome of) Emergency Department Patients With Infection?. *Shock*, **2016**, 46, 108	3.4	1
10	Commentary: Precision Immunotherapy for Sepsis. *Frontiers in Immunology*, **2019**, 10, 20	8.4	1
9	Role of endothelial microRNA 155 on capillary leakage in systemic inflammation. *Critical Care*, **2021**, 25, 76	10.8	1
8	Plausibility Limits Imagination. *Critical Care Medicine*, **2021**, 49, e1047	1.4	1
7	The effect of targeting Tie2 on hemorrhagic shock-induced renal perfusion disturbances in rats. *Intensive Care Medicine Experimental*, **2021**, 9, 23	3.7	0
6	Requirement of respiratory support in acute bronchiolitis in infants is linked to endothelial and neutrophil activation. *Pediatric Pulmonology*, **2021**, 56, 3908-3915	3.5	0
5	Naming and Blaming, SIRS-UO. *Chest*, **2017**, 151, 723-724	5.3	
4	Response to Tenner et al. *American Journal of Gastroenterology*, **2014**, 109, 443	0.7	
3	Burnout or built in?. *American Journal of Respiratory and Critical Care Medicine*, **2012**, 185, 787-8; author reply 788-9	10.2	
2	Preservation of renal endothelial integrity and reduction of renal edema by aprotinin does not preserve renal perfusion and function following experimental cardiopulmonary bypass. *Intensive Care Medicine Experimental*, **2021**, 9, 30	3.7	
1	Plasma from patients undergoing coronary artery bypass graft surgery does not activate endothelial cells under shear stress. *International Journal of Critical Illness and Injury Science*, **2021**, 11, 142-150	0.7	