

Keith R Walley

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.

99
papers

7,517
citations

36
h-index

86
g-index

109
ext. papers

9,156
ext. citations

6.7
avg, IF

6.3
L-index

#	Paper	IF	Citations
99	Vasopressin versus norepinephrine infusion in patients with septic shock. <i>New England Journal of Medicine</i> , 2008 , 358, 877-87	59.2	1340
98	Fluid resuscitation in septic shock: a positive fluid balance and elevated central venous pressure are associated with increased mortality. <i>Critical Care Medicine</i> , 2011 , 39, 259-65	1.4	979
97	Use of central venous oxygen saturation to guide therapy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 514-20	10.2	647
96	Physiology of vasopressin relevant to management of septic shock. <i>Chest</i> , 2001 , 120, 989-1002	5.3	496
95	The effects of vasopressin on hemodynamics and renal function in severe septic shock: a case series. <i>Intensive Care Medicine</i> , 2001 , 27, 1416-21	14.5	331
94	Toll-like receptor stimulation in cardiomyocytes decreases contractility and initiates an NF-kappaB dependent inflammatory response. <i>Cardiovascular Research</i> , 2006 , 72, 384-93	9.9	265
93	Toll-like receptor 1 polymorphisms affect innate immune responses and outcomes in sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 178, 710-20	10.2	226
92	PCSK9 is a critical regulator of the innate immune response and septic shock outcome. <i>Science Translational Medicine</i> , 2014 , 6, 258ra143	17.5	213
91	S100A8 and S100A9 mediate endotoxin-induced cardiomyocyte dysfunction via the receptor for advanced glycation end products. <i>Circulation Research</i> , 2008 , 102, 1239-46	15.7	194
90	Interaction of vasopressin infusion, corticosteroid treatment, and mortality of septic shock. <i>Critical Care Medicine</i> , 2009 , 37, 811-8	1.4	185
89	Lactic Acidosis in Sepsis: It's Not All Anaerobic: Implications for Diagnosis and Management. <i>Chest</i> , 2016 , 149, 252-61	5.3	159
88	The effects of vasopressin on acute kidney injury in septic shock. <i>Intensive Care Medicine</i> , 2010 , 36, 83-91	14.5	159
87	Small acute increases in serum creatinine are associated with decreased long-term survival in the critically ill. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 1075-81	10.2	121
86	Genome-wide association study of survival from sepsis due to pneumonia: an observational cohort study. <i>Lancet Respiratory Medicine</i> , 2015 , 3, 53-60	35.1	108
85	Normal-range blood lactate concentration in septic shock is prognostic and predictive. <i>Shock</i> , 2012 , 38, 4-10	3.4	108
84	Hyperchloremia and moderate increase in serum chloride are associated with acute kidney injury in severe sepsis and septic shock patients. <i>Critical Care</i> , 2016 , 20, 315	10.8	86
83	The association of interleukin 6 haplotype clades with mortality in critically ill adults. <i>Archives of Internal Medicine</i> , 2005 , 165, 75-82		83

82	Endotoxin infusion in rats induces apoptotic and survival pathways in hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H2053-61	5.2	76
81	Increased Plasma PCSK9 Levels Are Associated with Reduced Endotoxin Clearance and the Development of Acute Organ Failures during Sepsis. <i>Journal of Innate Immunity</i> , 2016 , 8, 211-20	6.9	70
80	Decreased high-density lipoprotein cholesterol level is an early prognostic marker for organ dysfunction and death in patients with suspected sepsis. <i>Journal of Critical Care</i> , 2017 , 38, 289-294	4	68
79	Sepsis-induced myocardial dysfunction. <i>Current Opinion in Critical Care</i> , 2018 , 24, 292-299	3.5	64
78	beta2-Adrenergic receptor gene polymorphism is associated with mortality in septic shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 181, 143-9	10.2	63
77	Bench-to-bedside review: Association of genetic variation with sepsis. <i>Critical Care</i> , 2009 , 13, 210	10.8	63
76	Lipopolysaccharide Is Cleared from the Circulation by Hepatocytes via the Low Density Lipoprotein Receptor. <i>PLoS ONE</i> , 2016 , 11, e0155030	3.7	63
75	The cardiopulmonary effects of vasopressin compared with norepinephrine in septic shock. <i>Chest</i> , 2012 , 142, 593-605	5.3	58
74	Evaluating mesenchymal stem cell therapy for sepsis with preclinical meta-analyses prior to initiating a first-in-human trial. <i>ELife</i> , 2016 , 5,	8.9	56
73	Protein C -1641 AA is associated with decreased survival and more organ dysfunction in severe sepsis. <i>Critical Care Medicine</i> , 2007 , 35, 12-7	1.4	55
72	Palliative care access for hospitalized patients with end-stage liver disease across the United States. <i>Hepatology</i> , 2017 , 66, 1585-1591	11.2	52
71	Microvascular resuscitation as a therapeutic goal in severe sepsis. <i>Critical Care</i> , 2005 , 9 Suppl 4, S27-32	10.8	49
70	Heparin-binding protein is important for vascular leak in sepsis. <i>Intensive Care Medicine Experimental</i> , 2016 , 4, 33	3.7	48
69	Leucyl/cystinyl aminopeptidase gene variants in septic shock. <i>Chest</i> , 2011 , 139, 1042-1049	5.3	45
68	Vasopressin and its immune effects in septic shock. <i>Journal of Innate Immunity</i> , 2010 , 2, 446-60	6.9	43
67	Novel regulatory mechanism of cardiomyocyte contractility involving ICAM-1 and the cytoskeleton. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H1013-22	5.2	39
66	Vasopressin in septic shock: an individual patient data meta-analysis of randomised controlled trials. <i>Intensive Care Medicine</i> , 2019 , 45, 844-855	14.5	36
65	Serious adverse events associated with vasopressin and norepinephrine infusion in septic shock. <i>Critical Care Medicine</i> , 2014 , 42, 1812-20	1.4	36

64	Vasopressin decreases sepsis-induced pulmonary inflammation through the V2R. <i>Resuscitation</i> , 2008 , 79, 325-31	4	36
63	The Central Role of Proprotein Convertase Subtilisin/Kexin Type 9 in Septic Pathogen Lipid Transport and Clearance. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 1275-86	10.2	35
62	A single nucleotide polymorphism in NF- κ B inducing kinase is associated with mortality in septic shock. <i>Journal of Immunology</i> , 2011 , 186, 2321-8	5.3	35
61	Left ventricular function: time-varying elastance and left ventricular aortic coupling. <i>Critical Care</i> , 2016 , 20, 270	10.8	32
60	Tamponade: Hemodynamic and Echocardiographic Diagnosis. <i>Chest</i> , 2018 , 153, 1266-1275	5.3	32
59	Cardiac ischemia in patients with septic shock randomized to vasopressin or norepinephrine. <i>Critical Care</i> , 2013 , 17, R117	10.8	31
58	The role of echocardiography in hemodynamic monitoring. <i>Current Opinion in Critical Care</i> , 2009 , 15, 239-43	5.5	31
57	A functional synonymous coding variant in the IL1RN gene is associated with survival in septic shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 656-64	10.2	28
56	A practical approach to goal-directed echocardiography in the critical care setting. <i>Critical Care</i> , 2014 , 18, 681	10.8	27
55	AA genotype of IL-8 -251A/T is associated with low PaO ₂ /FiO ₂ in critically ill patients and with increased IL-8 expression. <i>Respirology</i> , 2012 , 17, 1253-60	3.6	23
54	Association between chronic exposure to air pollution and mortality in the acute respiratory distress syndrome. <i>Environmental Pollution</i> , 2017 , 224, 352-356	9.3	22
53	Oxygen saturation as a predictor of adverse maternal outcomes in women with preeclampsia. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2011 , 33, 705-714	1.3	22
52	Increased Ratio of Visceral to Subcutaneous Adipose Tissue in Septic Patients Is Associated With Adverse Outcome. <i>Critical Care Medicine</i> , 2016 , 44, 1966-1973	1.4	22
51	Role of lipoproteins and proprotein convertase subtilisin/kexin type 9 in endotoxin clearance in sepsis. <i>Current Opinion in Critical Care</i> , 2016 , 22, 464-9	3.5	22
50	Effect of crystalloid administration on oxygen extraction in endotoxemic pigs. <i>Journal of Applied Physiology</i> , 1998 , 85, 1667-75	3.7	21
49	The Usefulness of the APACHE II Score in Obstetric Critical Care: A Structured Review. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2016 , 38, 909-918	1.3	21
48	Fibrinogen decreases cardiomyocyte contractility through an ICAM-1-dependent mechanism. <i>Critical Care</i> , 2008 , 12, R2	10.8	20
47	Inhibition of Cholesteryl Ester Transfer Protein Preserves High-Density Lipoprotein Cholesterol and Improves Survival in Sepsis. <i>Circulation</i> , 2021 , 143, 921-934	16.7	20

46	Validating the Performance of the Modified Early Obstetric Warning System Multivariable Model to Predict Maternal Intensive Care Unit Admission. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2017 , 39, 728-733.e3	1.3	19
45	Decreased left ventricular contractility during porcine endotoxemia is not prevented by ibuprofen. <i>Critical Care Medicine</i> , 1996 , 24, 815-9	1.4	18
44	CETP genetic variant rs1800777 (allele A) is associated with abnormally low HDL-C levels and increased risk of AKI during sepsis. <i>Scientific Reports</i> , 2018 , 8, 16764	4.9	18
43	Impact of PCSK9 loss-of-function genotype on 1-year mortality and recurrent infection in sepsis survivors. <i>EBioMedicine</i> , 2018 , 38, 257-264	8.8	18
42	Biomarkers in sepsis. <i>Current Infectious Disease Reports</i> , 2013 , 15, 413-20	3.9	17
41	Genetic Polymorphisms in Sepsis and Cardiovascular Disease: Do Similar Risk Genes Suggest Similar Drug Targets?. <i>Chest</i> , 2019 , 155, 1260-1271	5.3	15
40	TNFAIP2 Inhibits Early TNF-Induced NF- κ B Signaling and Decreases Survival in Septic Shock Patients. <i>Journal of Innate Immunity</i> , 2016 , 8, 57-66	6.9	14
39	Outcomes of Ventilated Patients With Sepsis Who Undergo Interhospital Transfer: A Nationwide Linked Analysis. <i>Critical Care Medicine</i> , 2018 , 46, e81-e86	1.4	14
38	Outcomes of in-hospital cardiopulmonary resuscitation for patients with end-stage liver disease. <i>Liver International</i> , 2019 , 39, 1256-1262	7.9	13
37	Advances in Sepsis Research. <i>Clinics in Chest Medicine</i> , 2015 , 36, 521-30	5.3	13
36	Arginine vasopressin in the treatment of vasodilatory septic shock. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2008 , 22, 275-86	4	13
35	Leukocyte activation does not mediate myocardial leukocyte retention during endotoxemia in rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 275, H1548-57	5.2	13
34	Low Low-Density Lipoprotein Levels Are Associated With, But Do Not Causally Contribute to, Increased Mortality in Sepsis. <i>Critical Care Medicine</i> , 2019 , 47, 463-466	1.4	13
33	Reduced Proprotein convertase subtilisin/kexin 9 (PCSK9) function increases lipoteichoic acid clearance and improves outcomes in Gram positive septic shock patients. <i>Scientific Reports</i> , 2019 , 9, 10588	4.9	11
32	The ABO histo-blood group, endothelial activation, and acute respiratory distress syndrome risk in critical illness. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	11
31	Vasopressin in Vasodilatory Shock. <i>Critical Care Clinics</i> , 2019 , 35, 247-261	4.5	10
30	Is Heparin-Binding Protein Inhibition a Mechanism of Albumin's Efficacy in Human Septic Shock?. <i>Critical Care Medicine</i> , 2018 , 46, e364-e374	1.4	10
29	The Understanding and Management of Organism Toxicity in Septic Shock. <i>Journal of Innate Immunity</i> , 2018 , 10, 502-514	6.9	10

28	Acute Cardiac Injury in Coronavirus Disease 2019 and Other Viral Infections-A Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , 2021 , 49, 1558-1566	1.4	10
27	Very Low Density Lipoprotein Receptor Sequesters Lipopolysaccharide Into Adipose Tissue During Sepsis. <i>Critical Care Medicine</i> , 2020 , 48, 41-48	1.4	9
26	Development and internal validation of the multivariable CIPHER (Collaborative Integrated Pregnancy High-dependency Estimate of Risk) clinical risk prediction model. <i>Critical Care</i> , 2018 , 22, 278	10.8	9
25	The design and rationale of SAVE BC: The Study to Avoid CardioVascular Events in British Columbia. <i>Clinical Cardiology</i> , 2018 , 41, 888-895	3.3	8
24	The Impact of Chronic Ozone and Particulate Air Pollution on Mortality in Patients With Sepsis Across the United States. <i>Journal of Intensive Care Medicine</i> , 2020 , 35, 1002-1007	3.3	8
23	Vasopressin versus norepinephrine in septic shock: a propensity score matched efficiency retrospective cohort study in the VASST coordinating center hospital. <i>Journal of Intensive Care</i> , 2018 , 6, 73	7	7
22	Sepsis and the innate-like response. <i>Intensive Care Medicine</i> , 2014 , 40, 249-51	14.5	6
21	Survival benefit of a low ratio of visceral to subcutaneous adipose tissue depends on LDL clearance versus production in sepsis. <i>Critical Care</i> , 2018 , 22, 58	10.8	5
20	Angiotensin Receptor Blockers and Angiotensin-Converting Enzyme Inhibitors in COVID-19: Meta-analysis/Meta-regression Adjusted for Confounding Factors. <i>CJC Open</i> , 2021 , 3, 965-975	2	5
19	Vasopressor Therapy in the Intensive Care Unit. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2021 , 42, 59-77	3.9	5
18	Longitudinal Plasma Proteomics Analysis Reveals Novel Candidate Biomarkers in Acute COVID-19.. <i>Journal of Proteome Research</i> , 2022 ,	5.6	4
17	Activated protein C as disease-modifying therapy in antenatal preeclampsia: An open-label, single arm safety and efficacy trial. <i>Pregnancy Hypertension</i> , 2018 , 13, 121-126	2.6	3
16	Pharmacogenomic biomarkers do not predict response to drotrecogin alfa in patients with severe sepsis. <i>Annals of Intensive Care</i> , 2018 , 8, 16	8.9	2
15	Prolonged QTc affects short-term and long-term outcomes in patients with normal left ventricular function undergoing cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 1627-33	1.5	2
14	Potential deleterious effect of beta-adrenergic stimulation during warm-blood cardioplegia in rabbit hearts. <i>Journal of Investigative Surgery</i> , 2001 , 14, 213-20	1.2	2
13	Role of C-reactive Protein and Tumor Necrosis Factor-Alpha in Differentiating between Ventilator-Associated Pneumonia and Systemic Inflammatory Response Syndrome without Infectious Etiology. <i>Tanaffos</i> , 2016 , 15, 205-212	0.5	2
12	Genetic Association Studies Identify Unanticipated Gene Pathways Influencing Sepsis Outcome. <i>EBioMedicine</i> , 2016 , 12, 20-21	8.8	1
11	Lower household income is associated with an increased risk of hospital readmission in patients with decompensated cirrhosis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2021 , 36, 1088-1094	4	1

10	Organ dysfunction and death in patients admitted to hospital with COVID-19 in pandemic waves 1 to 3 in British Columbia, Ontario and Quebec, Canada: a cohort study.. <i>CMAJ Open</i> , 2022 , 10, E379-E389	2.5	1
9	The Specific Organism: Not Bacterial Gram Type: Drives the Inflammatory Response in Septic Shock. <i>Journal of Innate Immunity</i> , 2020 , 12, 182-190	6.9	0
8	Does this patient have septic shock?. <i>Intensive Care Medicine</i> , 2017 , 43, 429-432	14.5	
7	Is hyperchloremia harmful? 2020 , 419-425.e1		
6	Beyond the Golden Hours: Caring for Septic Patients After the Initial Resuscitation. <i>Clinics in Chest Medicine</i> , 2016 , 37, 347-65	5.3	
5	Serum erythropoietin levels increase after coronary artery bypass surgery and are associated with neurological outcome at discharge from hospital. <i>Canadian Journal of Anaesthesia</i> , 2006 , 53, 26447-26447		
4	Pharmacogenomics in sepsis and septic shock. <i>Drug Development Research</i> , 2005 , 64, 181-194	5.1	
3	Sepsis breakthroughs in 2014. <i>F1000Research</i> , 4 , 131	3.6	
2	The cardiovascular system in critical illness. <i>Current Opinion in Critical Care</i> , 2016 , 22, 413-5	3.5	
1	Reply. <i>Hepatology</i> , 2019 , 69, 920-921	11.2	