Keith R Walley

List of Publications by Year
in descending order

107 papers	10,213 citations	70961 41 h-index	33814 99 g-index
109 all docs	109 docs citations	109 times ranked	9014 citing authors

#	Article	IF	Citations
1	Vasopressin versus Norepinephrine Infusion in Patients with Septic Shock. New England Journal of Medicine, 2008, 358, 877-887.	13.9	1,711
2	Fluid resuscitation in septic shock: A positive fluid balance and elevated central venous pressure are associated with increased mortality*. Critical Care Medicine, 2011, 39, 259-265.	0.4	1,257
3	Use of Central Venous Oxygen Saturation to Guide Therapy. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 514-520.	2.5	717
4	The effects of vasopressin on hemodynamics and renal function in severe septic shock: a case series. Intensive Care Medicine, 2001, 27, 1416-1421.	3.9	640
5	Physiology of Vasopressin Relevant to Management of Septic Shock. Chest, 2001, 120, 989-1002.	0.4	593
6	Toll-like receptor stimulation in cardiomyoctes decreases contractility and initiates an NF-Î¹B dependent inflammatory responseâ˜†. Cardiovascular Research, 2006, 72, 384-393.	1.8	327
7	PCSK9 is a critical regulator of the innate immune response and septic shock outcome. Science Translational Medicine, 2014, 6, 258ra143.	5.8	287
8	Toll-like Receptor 1 Polymorphisms Affect Innate Immune Responses and Outcomes in Sepsis. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 710-720.	2.5	258
9	S100A8 and S100A9 Mediate Endotoxin-Induced Cardiomyocyte Dysfunction via the Receptor for Advanced Glycation End Products. Circulation Research, 2008, 102, 1239-1246.	2.0	245
10	Lactic Acidosis in Sepsis: Itâ€™s Not All Anaerobic. Chest, 2016, 149, 252-261.	0.4	244
11	Interaction of vasopressin infusion, corticosteroid treatment, and mortality of septic shock*. Critical Care Medicine, 2009, 37, 811-818.	0.4	234
12	The effects of vasopressin on acute kidney injury in septic shock. Intensive Care Medicine, 2010, 36, 83-91.	3.9	206
13	Genome-wide association study of survival from sepsis due to pneumonia: an observational cohort study. Lancet Respiratory Medicine,the, 2015, 3, 53-60.	5.2	166
14	Small Acute Increases in Serum Creatinine Are Associated with Decreased Long-Term Survival in the Critically Ill. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1075-1081.	2.5	155
15	Normal-Range Blood Lactate Concentration in Septic Shock Is Prognostic and Predictive. Shock, 2012, 38, 4-10.	1.0	144
16	Protein C â˜’1641 AA is associated with decreased survival and more organ dysfunction in severe sepsis*. Critical Care Medicine, 2007, 35, 12-17.	0.4	130
17	Hyperchloremia and moderate increase in serum chloride are associated with acute kidney injury in severe sepsis and septic shock patients. Critical Care, 2016, 20, 315.	2.5	130
18	Sepsis-induced myocardial dysfunction. Current Opinion in Critical Care, 2018, 24, 292-299.	1.6	121

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19	Decreased high-density lipoprotein cholesterol level is an early prognostic marker for organ dysfunction and death in patients with suspected sepsis. Journal of Critical Care, 2017, 38, 289-294.	1.0	109
20	Increased Plasma PCSK9 Levels Are Associated with Reduced Endotoxin Clearance and the Development of Acute Organ Failures during Sepsis. Journal of Innate Immunity, 2016, 8, 211-220.	1.8	107
21	The Association of Interleukin 6 Haplotype Clades With Mortality in Critically Ill Adults. Archives of Internal Medicine, 2005, 165, 75.	4.3	102
22	Vasopressin in septic shock: an individual patient data meta-analysis of randomised controlled trials. Intensive Care Medicine, 2019, 45, 844-855.	3.9	97
23	Lipopolysaccharide Is Cleared from the Circulation by Hepatocytes via the Low Density Lipoprotein Receptor. PLoS ONE, 2016, 11, e0155030.	1.1	92
24	Endotoxin infusion in rats induces apoptotic and survival pathways in hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2053-H2061.	1.5	85
25	Palliative care access for hospitalized patients with endâ€stage liver disease across the United States. Hepatology, 2017, 66, 1585-1591.	3.6	78
26	Î²₂-Adrenergic Receptor Gene Polymorphism Is Associated with Mortality in Septic Shock. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 143-149.	2.5	74
27	Evaluating mesenchymal stem cell therapy for sepsis with preclinical meta-analyses prior to initiating a first-in-human trial. ELife, 2016, 5, .	2.8	73
28	The Cardiopulmonary Effects of Vasopressin Compared With Norepinephrine in Septic Shock. Chest, 2012, 142, 593-605.	0.4	72
29	Bench-to-bedside review: Association of genetic variation with sepsis. Critical Care, 2009, 13, 210.	2.5	71
30	Heparin-binding protein is important for vascular leak in sepsis. Intensive Care Medicine Experimental, 2016, 4, 33.	0.9	64
31	Leucyl/Cystinyl Aminopeptidase Gene Variants in Septic Shock. Chest, 2011, 139, 1042-1049.	0.4	63
32	Microvascular resuscitation as a therapeutic goal in severe sepsis. Critical Care, 2005, 9, S27.	2.5	61
33	Vasopressin and Its Immune Effects in Septic Shock. Journal of Innate Immunity, 2010, 2, 446-460.	1.8	60
34	Serious Adverse Events Associated With Vasopressin and Norepinephrine Infusion in Septic Shock*. Critical Care Medicine, 2014, 42, 1812-1820.	0.4	57
35	Tamponade. Chest, 2018, 153, 1266-1275.	0.4	57
36	Inhibition of Cholesteryl Ester Transfer Protein Preserves High-Density Lipoprotein Cholesterol and Improves Survival in Sepsis. Circulation, 2021, 143, 921-934.	1.6	55

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37	Left ventricular function: time-varying elastance and left ventricular aortic coupling. Critical Care, 2016, 20, 270.	2.5	53
38	The Central Role of Proprotein Convertase Subtilisin/Kexin Type 9 in Septic Pathogen Lipid Transport and Clearance. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 1275-1286.	2.5	50
39	Novel regulatory mechanism of cardiomyocyte contractility involving ICAM-1 and the cytoskeleton. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H1013-H1022.	1.5	49
40	Cardiac ischemia in patients with septic shock randomized to vasopressin or norepinephrine. Critical Care, 2013, 17, R117.	2.5	43
41	Vasopressin decreases sepsis-induced pulmonary inflammation through the V2R. Resuscitation, 2008, 79, 325-331.	1.3	42
42	A Single Nucleotide Polymorphism in NF-ÎºB Inducing Kinase Is Associated with Mortality in Septic Shock. Journal of Immunology, 2011, 186, 2321-2328.	0.4	42
43	A Functional Synonymous Coding Variant in theIL1RNGene Is Associated with Survival in Septic Shock. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 656-664.	2.5	42
44	A practical approach to goal-directed echocardiography in the critical care setting. Critical Care, 2014, 18, 681.	2.5	40
45	The role of echocardiography in hemodynamic monitoring. Current Opinion in Critical Care, 2009, 15, 239-243.	1.6	37
46	Validating the Performance of the Modified Early Obstetric Warning System Multivariable Model to Predict Maternal Intensive Care Unit Admission. Journal of Obstetrics and Gynaecology Canada, 2017, 39, 728-733.e3.	0.3	34
47	Impact of PCSK9 loss-of-function genotype on 1-year mortality and recurrent infection in sepsis survivors. EBioMedicine, 2018, 38, 257-264.	2.7	34
48	Low Low-Density Lipoprotein Levels Are Associated With, But Do Not Causally Contribute to, Increased Mortality in Sepsis*. Critical Care Medicine, 2019, 47, 463-466.	0.4	34
49	Increased Ratio of Visceral to Subcutaneous Adipose Tissue in Septic Patients Is Associated With Adverse Outcome*. Critical Care Medicine, 2016, 44, 1966-1973.	0.4	31
50	AA genotype of ILâ€8 â^'251A/T is associated with low PaO₂/FiO₂ in critically ill patients and with increased ILâ€8 expression. Respirology, 2012, 17, 1253-1260.	1.3	30
51	Role of lipoproteins and proprotein convertase subtilisin/kexin type 9 in endotoxin clearance in sepsis. Current Opinion in Critical Care, 2016, 22, 464-469.	1.6	30
52	Association between chronic exposure to air pollution and mortality in the acute respiratory distress syndrome. Environmental Pollution, 2017, 224, 352-356.	3.7	30
53	Vasopressin in Vasodilatory Shock. Critical Care Clinics, 2019, 35, 247-261.	1.0	30
54	Vasopressor Therapy in the Intensive Care Unit. Seminars in Respiratory and Critical Care Medicine, 2021, 42, 059-077.	0.8	30

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55	TNFAIP2 Inhibits Early TNFa-Induced NF-κB Signaling and Decreases Survival in Septic Shock Patients. Journal of Innate Immunity, 2016, 8, 57-66.	1.8	28
56	Reduced Proprotein convertase subtilisin/kexin 9 (PCSK9) function increases lipoteichoic acid clearance and improves outcomes in Gram positive septic shock patients. Scientific Reports, 2019, 9, 10588.	1.6	28
57	Oxygen Saturation as a Predictor of Adverse Maternal Outcomes in Women with Preeclampsia. Journal of Obstetrics and Gynaecology Canada, 2011, 33, 705-714.	0.3	27
58	The Usefulness of the APACHE II Score in Obstetric Critical Care: A Structured Review. Journal of Obstetrics and Gynaecology Canada, 2016, 38, 909-918.	0.3	27
59	Longitudinal Plasma Proteomics Analysis Reveals Novel Candidate Biomarkers in Acute COVID-19. Journal of Proteome Research, 2022, 21, 975-992.	1.8	27
60	CETP genetic variant rs1800777 (allele A) is associated with abnormally low HDL-C levels and increased risk of AKI during sepsis. Scientific Reports, 2018, 8, 16764.	1.6	26
61	The ABO histo-blood group, endothelial activation, and acute respiratory distress syndrome risk in critical illness. Journal of Clinical Investigation, 2021, 131, .	3.9	26
62	Acute Cardiac Injury in Coronavirus Disease 2019 and Other Viral Infectionsâ€"A Systematic Review and Meta-Analysis. Critical Care Medicine, 2021, 49, 1558-1566.	0.4	26
63	Fibrinogen decreases cardiomyocyte contractility through an ICAM-1 dependent mechanism. Critical Care, 2008, 12, R2.	2.5	23
64	Biomarkers in Sepsis. Current Infectious Disease Reports, 2013, 15, 413-420.	1.3	22
65	Effect of crystalloid administration on oxygen extraction in endotoxemic pigs. Journal of Applied Physiology, 1998, 85, 1667-1675.	1.2	21
66	Outcomes of Ventilated Patients With Sepsis Who Undergo Interhospital Transfer: A Nationwide Linked Analysis*. Critical Care Medicine, 2018, 46, e81-e86.	0.4	20
67	Genetic Polymorphisms in Sepsis and Cardiovascular Disease. Chest, 2019, 155, 1260-1271.	0.4	18
68	Decreased left ventricular contractility during porcine endotoxemia is not prevented by ibuprofen. Critical Care Medicine, 1996, 24, 815-819.	0.4	18
69	The Understanding and Management of Organism Toxicity in Septic Shock. Journal of Innate Immunity, 2018, 10, 502-514.	1.8	17
70	Outcomes of inâ€hospital cardiopulmonary resuscitation for patients with endâ€stage liver disease. Liver International, 2019, 39, 1256-1262.	1.9	17
71	Leukocyte activation does not mediate myocardial leukocyte retention during endotoxemia in rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H1548-H1557.	1.5	16
72	Arginine vasopressin in the treatment of vasodilatory septic shock. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2008, 22, 275-286.	1.7	16

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73	Development and internal validation of the multivariable CIPHER (Collaborative Integrated Pregnancy) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	15
74	The Impact of Chronic Ozone and Particulate Air Pollution on Mortality in Patients With Sepsis Across the United States. Journal of Intensive Care Medicine, 2020, 35, 1002-1007.	1.3	15
75	Angiotensin Receptor Blockers and Angiotensin-Converting Enzyme Inhibitors in COVID-19: Meta-analysis/Meta-regression Adjusted for Confounding Factors. CJC Open, 2021, 3, 965-975.	0.7	15
76	Advances in Sepsis Research. Clinics in Chest Medicine, 2015, 36, 521-530.	0.8	14
77	Is Heparin-Binding Protein Inhibition a Mechanism of Albuminâ€™s Efficacy in Human Septic Shock?. Critical Care Medicine, 2018, 46, e364-e374.	0.4	14
78	Very Low Density Lipoprotein Receptor Sequesters Lipopolysaccharide Into Adipose Tissue During Sepsis. Critical Care Medicine, 2020, 48, 41-48.	0.4	13
79	Vasopressin versus norepinephrine in septic shock: a propensity score matched efficiency retrospective cohort study in the VASST coordinating center hospital. Journal of Intensive Care, 2018, 6, 73.	1.3	12
80	The design and rationale of SAVE BC: The Study to Avoid CardioVascular Events in British Columbia. Clinical Cardiology, 2018, 41, 888-895.	0.7	11
81	Sepsis and the innate-like response. Intensive Care Medicine, 2014, 40, 249-251.	3.9	8
82	Survival benefit of a low ratio of visceral to subcutaneous adipose tissue depends on LDL clearance versus production in sepsis. Critical Care, 2018, 22, 58.	2.5	8
83	Using multiple 'omics strategies for novel therapies in sepsis. Intensive Care Medicine, 2018, 44, 509-511.	3.9	7
84	Lower household income is associated with an increased risk of hospital readmission in patients with decompensated cirrhosis. Journal of Gastroenterology and Hepatology (Australia), 2021, 36, 1088-1094.	1.4	7
85	Activated protein C as disease-modifying therapy in antenatal preeclampsia: An open-label, single arm safety and efficacy trial. Pregnancy Hypertension, 2018, 13, 121-126.	0.6	5
86	Prolonged QTc affects short-term and long-term outcomes in patients with normal left ventricular function undergoing cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1627-1633.	0.4	4
87	The Specific Organism: Not Bacterial Gram Type: Drives the Inflammatory Response in Septic Shock. Journal of Innate Immunity, 2020, 12, 182-190.	1.8	4
88	Role of C-reactive Protein and Tumor Necrosis Factor-Alpha in Differentiating between Ventilator-Associated Pneumonia and Systemic Inflammatory Response Syndrome without Infectious Etiology. Tanaffos, 2016, 15, 205-212.	0.5	4
89	The Potential for Increasing Risk of Consent Refusal in COVID-19 Trials: Considering Underlying Reasons and Responses. Annals of the American Thoracic Society, 2022, 19, 1446-1447.	1.5	4
90	Sepsis-Induced Myocardial Dysfunction and Mammalian Target of Rapamycin Signalling Pathways. Canadian Journal of Cardiology, 2019, 35, 809-812.	0.8	3

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91	Single Nucleotide Variant in FAS Associates With Organ Failure and Soluble Fas Cell Surface Death Receptor in Critical Illness. Critical Care Medicine, 2022, 50, e284-e293.	0.4	3
92	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. CMAJ Open, 2022, 10, E379-E389.	1.1	3
93	DJ-1 binds to Rubicon to Impair LC-3 Associated Phagocytosis. Cell Death and Differentiation, 2022, 29, 2024-2033.	5.0	3
94	Potential Deleterious Effect ofÃŸ-Adrenergic Stimulation During Warm-Blood Cardioplegia in Rabbit Hearts. Journal of Investigative Surgery, 2001, 14, 213-220.	0.6	2
95	Genetic Association Studies Identify Unanticipated Gene Pathways Influencing Sepsis Outcome. EBioMedicine, 2016, 12, 20-21.	2.7	2
96	Pharmacogenomic biomarkers do not predict response to drotrecogin alfa in patients with severe sepsis. Annals of Intensive Care, 2018, 8, 16.	2.2	2
97	Discovering Causal Mechanistic Pathways in Sepsis-associated Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 2-4.	2.5	2
98	Beyond the Golden Hours. Clinics in Chest Medicine, 2016, 37, 347-365.	0.8	1
99	Does this patient have septic shock?. Intensive Care Medicine, 2017, 43, 429-432.	3.9	1
100	The Emerging Role of Palliative Care in the Management of Canadians With Heart Failure. Canadian Journal of Cardiology, 2018, 34, 1114-1115.	0.8	1
101	Lipoprotein Biology in Sepsis*. Critical Care Medicine, 2020, 48, 1547-1549.	0.4	1
102	Pharmacogenomics in sepsis and septic shock. Drug Development Research, 2005, 64, 181-194.	1.4	0
103	Serum erythropoietin levels increase after coronary artery bypass surgery and are associated with neurological outcome at discharge from hospital. Canadian Journal of Anaesthesia, 2006, 53, 26447-26447.	0.7	0
104	The cardiovascular system in critical illness. Current Opinion in Critical Care, 2016, 22, 413-415.	1.6	0
105	Reply. Hepatology, 2019, 69, 920-921.	3.6	0
106	Is hyperchloremia harmful?. , 2020, , 419-425.e1.		0
107	Sepsis breakthroughs in 2014. F1000Research, 0, 4, 131.	0.8	0