

Peter Pickkers

List of Publications by Year in descending order

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Version: 2024-02-01

484
papers

26,044
citations

5896

81
h-index

10734

138
g-index

498
all docs

498
docs citations

498
times ranked

31499
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the worldwide burden of critical illness: the Intensive Care Over Nations (ICON) audit. <i>Lancet Respiratory Medicine</i> , 2014, 2, 380-386.	10.7	864
2	Decontamination of the Digestive Tract and Oropharynx in ICU Patients. <i>New England Journal of Medicine</i> , 2009, 360, 20-31.	27.0	825
3	A subset of neutrophils in human systemic inflammation inhibits T cell responses through Mac-1. <i>Journal of Clinical Investigation</i> , 2012, 122, 327-336.	8.2	688
4	A Unified Theory of Sepsis-Induced Acute Kidney Injury. <i>Shock</i> , 2014, 41, 3-11.	2.1	602
5	A guiding map for inflammation. <i>Nature Immunology</i> , 2017, 18, 826-831.	14.5	506
6	β ₂ -Glucan Reverses the Epigenetic State of LPS-Induced Immunological Tolerance. <i>Cell</i> , 2016, 167, 1354-1368.e14.	28.9	467
7	COVID-19-associated acute kidney injury: consensus report of the 25th Acute Disease Quality Initiative (ADQI) Workgroup. <i>Nature Reviews Nephrology</i> , 2020, 16, 747-764.	9.6	466
8	Time-course analysis of hepcidin, serum iron, and plasma cytokine levels in humans injected with LPS. <i>Blood</i> , 2005, 106, 1864-1866.	1.4	459
9	Broad defects in the energy metabolism of leukocytes underlie immunoparalysis in sepsis. <i>Nature Immunology</i> , 2016, 17, 406-413.	14.5	437
10	Inflammation in AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 371-379.	6.1	409
11	Swarm Learning for decentralized and confidential clinical machine learning. <i>Nature</i> , 2021, 594, 265-270.	27.8	375
12	Recommendations on Acute Kidney Injury Biomarkers From the Acute Disease Quality Initiative Consensus Conference. <i>JAMA Network Open</i> , 2020, 3, e2019209.	5.9	335
13	Delirium in critically ill patients. <i>Critical Care Medicine</i> , 2012, 40, 112-118.	0.9	310
14	Development and validation of PRE-DELIRIC (PREdiction of DELIRium in ICU patients) delirium prediction model for intensive care patients: observational multicentre study. <i>BMJ: British Medical Journal</i> , 2012, 344, e420-e420.	2.3	301
15	Obesity in the critically ill: a narrative review. <i>Intensive Care Medicine</i> , 2019, 45, 757-769.	8.2	283
16	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. <i>Immunity</i> , 2020, 53, 1296-1314.e9.	14.3	278
17	Cytokine Levels in Critically Ill Patients With COVID-19 and Other Conditions. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 1565.	7.4	268
18	The Itaconate Pathway Is a Central Regulatory Node Linking Innate Immune Tolerance and Trained Immunity. <i>Cell Metabolism</i> , 2019, 29, 211-220.e5.	16.2	232

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19	Immunotherapy for the Adjunctive Treatment of Sepsis: From Immunosuppression to Immunostimulation. Time for a Paradigm Change?. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 1287-1293.	5.6	221
20	BCG Vaccination Enhances the Immunogenicity of Subsequent Influenza Vaccination in Healthy Volunteers: A Randomized, Placebo-Controlled Pilot Study. Journal of Infectious Diseases, 2015, 212, 1930-1938.	4.0	210
21	Effect of Haloperidol on Survival Among Critically Ill Adults With a High Risk of Delirium. JAMA - Journal of the American Medical Association, 2018, 319, 680.	7.4	206
22	A guide to immunotherapy for COVID-19. Nature Medicine, 2022, 28, 39-50.	30.7	206
23	Functional heterogeneity and differential priming of circulating neutrophils in human experimental endotoxemia. Journal of Leukocyte Biology, 2010, 88, 211-220.	3.3	202
24	Reversal of Immunoparalysis in Humans <i>In Vivo</i> . American Journal of Respiratory and Critical Care Medicine, 2012, 186, 838-845.	5.6	199
25	Interferon-gamma as adjunctive immunotherapy for invasive fungal infections: a case series. BMC Infectious Diseases, 2014, 14, 166.	2.9	195
26	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. Genome Medicine, 2021, 13, 7.	8.2	193
27	Immunochemical and Mass-Spectrometry-Based Serum Hepcidin Assays for Iron Metabolism Disorders. Clinical Chemistry, 2010, 56, 1570-1579.	3.2	190
28	Voluntary activation of the sympathetic nervous system and attenuation of the innate immune response in humans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7379-7384.	7.1	185
29	Cardiac and Vascular Surgery-Associated Acute Kidney Injury: The 20th International Consensus Conference of the ADQI (Acute Disease Quality Initiative) Group. Journal of the American Heart Association, 2018, 7, .	3.7	182
30	Incidence and short-term consequences of delirium in critically ill patients: A prospective observational cohort study. International Journal of Nursing Studies, 2012, 49, 775-783.	5.6	181
31	Acute hypoxemic respiratory failure in immunocompromised patients: the Efraim multinational prospective cohort study. Intensive Care Medicine, 2017, 43, 1808-1819.	8.2	176
32	IFN- γ -Stimulated Neutrophils Suppress Lymphocyte Proliferation through Expression of PD-L1. PLoS ONE, 2013, 8, e72249.	2.5	173
33	The Impact of Hospital and ICU Organizational Factors on Outcome in Critically Ill Patients. Critical Care Medicine, 2015, 43, 519-526.	0.9	170
34	Body Mass Index Is Associated With Hospital Mortality in Critically Ill Patients. Critical Care Medicine, 2013, 41, 1878-1883.	0.9	165
35	Renal replacement therapy in acute kidney injury: controversy and consensus. Critical Care, 2015, 19, 146.	5.8	157
36	Alkaline phosphatase for treatment of sepsis-induced acute kidney injury: a prospective randomized double-blind placebo-controlled trial. Critical Care, 2012, 16, R14.	5.8	155

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37	Gender differences in the innate immune response and vascular reactivity following the administration of endotoxin to human volunteers*. Critical Care Medicine, 2007, 35, 1464-1469.	0.9	154
38	The lung is a host defense niche for immediate neutrophil-mediated vascular protection. Science Immunology, 2017, 2, .	11.9	153
39	Quality Improvement Goals for Acute Kidney Injury. Clinical Journal of the American Society of Nephrology: CJASN, 2019, 14, 941-953.	4.5	152
40	Selective iNOS inhibition for the treatment of sepsis-induced acute kidney injury. Nature Reviews Nephrology, 2009, 5, 629-640.	9.6	151
41	Acute kidney injury in the critically ill: an updated review on pathophysiology and management. Intensive Care Medicine, 2021, 47, 835-850.	8.2	149
42	Plasma levels of danger-associated molecular patterns are associated with immune suppression in trauma patients. Intensive Care Medicine, 2016, 42, 551-561.	8.2	146
43	Increased mortality associated with meticillin-resistant Staphylococcus aureus (MRSA) infection in the Intensive Care Unit: results from the EPIC II study. International Journal of Antimicrobial Agents, 2011, 38, 331-335.	2.5	145
44	Adrenomedullin in heart failure: pathophysiology and therapeutic application. European Journal of Heart Failure, 2019, 21, 163-171.	7.1	144
45	Alkaline phosphatase treatment improves renal function in severe sepsis or septic shock patients*. Critical Care Medicine, 2009, 37, 417-e1.	0.9	140
46	Biomarkers associated with delirium in critically ill patients and their relation with long-term subjective cognitive dysfunction; indications for different pathways governing delirium in inflamed and noninflamed patients. Critical Care, 2011, 15, R297.	5.8	139
47	Enteroendocrine L Cells Sense LPS after Gut Barrier Injury to Enhance GLP-1 Secretion. Cell Reports, 2017, 21, 1160-1168.	6.4	139
48	Development of endotoxin tolerance in humans in vivo. Critical Care Medicine, 2009, 37, 1261-1267.	0.9	137
49	The effects of the anti-hepcidin Spiegelmer NOX-H94 on inflammation-induced anemia in cynomolgus monkeys. Blood, 2013, 121, 2311-2315.	1.4	137
50	The Intensive Care Medicine research agenda on critically ill oncology and hematology patients. Intensive Care Medicine, 2017, 43, 1366-1382.	8.2	130
51	Multinational development and validation of an early prediction model for delirium in ICU patients. Intensive Care Medicine, 2015, 41, 1048-1056.	8.2	129
52	Effect of Human Recombinant Alkaline Phosphatase on 7-Day Creatinine Clearance in Patients With Sepsis-Associated Acute Kidney Injury. JAMA - Journal of the American Medical Association, 2018, 320, 1998.	7.4	127
53	VASCULAR ENDOTHELIAL GROWTH FACTOR IS INCREASED DURING THE FIRST 48 HOURS OF HUMAN SEPTIC SHOCK AND CORRELATES WITH VASCULAR PERMEABILITY. Shock, 2005, 24, 508-512.	2.1	124
54	Inhibition of Carbonic Anhydrase Accounts for the Direct Vascular Effects of Hydrochlorothiazide. Hypertension, 1999, 33, 1043-1048.	2.7	122

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55	Effect of anakinra on mortality in patients with COVID-19: a systematic review and patient-level meta-analysis. <i>Lancet Rheumatology</i> , The, 2021, 3, e690-e697.	3.9	121
56	Thiazide-Induced Vasodilation in Humans Is Mediated by Potassium Channel Activation. <i>Hypertension</i> , 1998, 32, 1071-1076.	2.7	116
57	Dynamic indices do not predict volume responsiveness in routine clinical practice. <i>British Journal of Anaesthesia</i> , 2012, 108, 395-401.	3.4	116
58	Precision Immunotherapy for Sepsis. <i>Frontiers in Immunology</i> , 2018, 9, 1926.	4.8	115
59	A worldwide multicentre evaluation of the influence of deterioration or improvement of acute kidney injury on clinical outcome in critically ill patients with and without sepsis at ICU admission: results from The Intensive Care Over Nations audit. <i>Critical Care</i> , 2018, 22, 188.	5.8	112
60	Haloperidol prophylaxis in critically ill patients with a high risk for delirium. <i>Critical Care</i> , 2013, 17, R9.	5.8	109
61	Sepsis-Induced Immunosuppression. <i>Annual Review of Physiology</i> , 2022, 84, 157-181.	13.1	108
62	Guideline implementation results in a decrease of pressure ulcer incidence in critically ill patients*. <i>Critical Care Medicine</i> , 2007, 35, 815-820.	0.9	107
63	Recalibration of the delirium prediction model for ICU patients (PRE-DELIRIC): a multinational observational study. <i>Intensive Care Medicine</i> , 2014, 40, 361-369.	8.2	107
64	Effect of Selepressin vs Placebo on Ventilator- and Vasopressor-Free Days in Patients With Septic Shock. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1476.	7.4	107
65	SYSTEMIC INFLAMMATION INCREASES INTESTINAL PERMEABILITY DURING EXPERIMENTAL HUMAN ENDOTOXEMIA. <i>Shock</i> , 2009, 32, 374-378.	2.1	106
66	Potentially Inadvertent Immunomodulation: Norepinephrine Use in Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 550-558.	5.6	105
67	Comparison of European ICU patients in 2012 (ICON) versus 2002 (SOAP). <i>Intensive Care Medicine</i> , 2018, 44, 337-344.	8.2	105
68	Emphysema and Pneumothorax After Percutaneous Tracheostomy. <i>Chest</i> , 2004, 125, 1805-1814.	0.8	104
69	Regulation of hepcidin: Insights from biochemical analyses on human serum samples. <i>Blood Cells, Molecules, and Diseases</i> , 2008, 40, 339-346.	1.4	102
70	The Crystal Structure of Lipopolysaccharide Binding Protein Reveals the Location of a Frequent Mutation that Impairs Innate Immunity. <i>Immunity</i> , 2013, 39, 647-660.	14.3	102
71	Acute kidney injury in the ICU: from injury to recovery: reports from the 5th Paris International Conference. <i>Annals of Intensive Care</i> , 2017, 7, 49.	4.6	100
72	Anakinra treatment in critically ill COVID-19 patients: a prospective cohort study. <i>Critical Care</i> , 2020, 24, 688.	5.8	100

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73	Increased Plasma Heparanase Activity in COVID-19 Patients. <i>Frontiers in Immunology</i> , 2020, 11, 575047.	4.8	98
74	Direct Vascular Effects of Furosemide in Humans. <i>Circulation</i> , 1997, 96, 1847-1852.	1.6	98
75	Effect of the antihepcidin Spiegelmer lexaptetid on inflammation-induced decrease in serum iron in humans. <i>Blood</i> , 2014, 124, 2643-2646.	1.4	96
76	Influence of mild therapeutic hypothermia after cardiac arrest on hospital mortality*. <i>Critical Care Medicine</i> , 2011, 39, 84-88.	0.9	93
77	In Vivo Evidence for Nitric Oxide-Mediated Calcium-Activated Potassium-Channel Activation During Human Endotoxemia. <i>Circulation</i> , 2006, 114, 414-421.	1.6	91
78	Comparison and clinical suitability of eight prediction models for cardiac surgery-related acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 345-351.	0.7	89
79	Contribution of various metabolites to the unmeasured anions in critically ill patients with metabolic acidosis*. <i>Critical Care Medicine</i> , 2008, 36, 752-758.	0.9	88
80	Dynamic light application therapy to reduce the incidence and duration of delirium in intensive-care patients: a randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2016, 4, 194-202.	10.7	88
81	Multicentric experience with interferon gamma therapy in sepsis induced immunosuppression. A case series. <i>BMC Infectious Diseases</i> , 2019, 19, 931.	2.9	88
82	Functional and genetic evidence that the Mal/TIRAP allele variant 180L has been selected by providing protection against septic shock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10272-10277.	7.1	87
83	Reduced rate of intensive care unit acquired gram-negative bacilli after removal of sinks and introduction of water-free™ patient care. <i>Antimicrobial Resistance and Infection Control</i> , 2017, 6, 59.	4.1	87
84	Adrenomedullin and Adrenomedullin-Targeted Therapy As Treatment Strategies Relevant for Sepsis. <i>Frontiers in Immunology</i> , 2018, 9, 292.	4.8	87
85	Human CD62Ldim neutrophils identified as a separate subset by proteome profiling and in vivo pulse-chase labeling. <i>Blood</i> , 2017, 129, 3476-3485.	1.4	86
86	Cleaved N-terminal histone tails distinguish between NADPH oxidase (NOX)-dependent and NOX-independent pathways of neutrophil extracellular trap formation. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1790-1798.	0.9	86
87	Upregulation of Renal Inducible Nitric Oxide Synthase during Human Endotoxemia and Sepsis Is Associated with Proximal Tubule Injury. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2006, 1, 853-862.	4.5	85
88	Implementation of a delirium assessment tool in the ICU can influence haloperidol use. <i>Critical Care</i> , 2009, 13, R131.	5.8	85
89	The intensive care medicine agenda on acute kidney injury. <i>Intensive Care Medicine</i> , 2017, 43, 1198-1209.	8.2	83
90	Differential ex vivo and in vivo endotoxin tolerance kinetics following human endotoxemia*. <i>Critical Care Medicine</i> , 2011, 39, 1866-1870.	0.9	82

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91	Crew Resource Management in the Intensive Care Unit: a prospective 3-year cohort study. <i>Acta Anaesthesiologica Scandinavica</i> , 2015, 59, 1319-1329.	1.6	82
92	Norepinephrine Dysregulates the Immune Response and Compromises Host Defense during Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 830-842.	5.6	82
93	Systemic Inflammation Decreases Pain Threshold in Humans In Vivo. <i>PLoS ONE</i> , 2013, 8, e84159.	2.5	79
94	GTS-21 inhibits pro-inflammatory cytokine release independent of the Toll-like receptor stimulated via a transcriptional mechanism involving JAK2 activation. <i>Biochemical Pharmacology</i> , 2009, 78, 863-872.	4.4	76
95	Impact of infection on the prognosis of critically ill cirrhotic patients: results from a large worldwide study. <i>Liver International</i> , 2014, 34, 1496-1503.	3.9	76
96	Plasma Nuclear and Mitochondrial DNA Levels, and Markers of Inflammation, Shock, and Organ Damage in Patients with Septic Shock. <i>Shock</i> , 2016, 45, 607-612.	2.1	76
97	Trends in admission prevalence, illness severity and survival of haematological patients treated in Dutch intensive care units. <i>Intensive Care Medicine</i> , 2014, 40, 1275-1284.	8.2	75
98	Circulating adrenomedullin estimates survival and reversibility of organ failure in sepsis: the prospective observational multinational Adrenomedullin and Outcome in Sepsis and Septic Shock-1 (AdrenOSS-1) study. <i>Critical Care</i> , 2018, 22, 354.	5.8	75
99	Mechanical Ventilation-induced Intrathoracic Pressure Distribution and Heart-Lung Interactions*. <i>Critical Care Medicine</i> , 2014, 42, 1983-1990.	0.9	73
100	Sepsis-induced immunoparalysis: mechanisms, markers, and treatment options. <i>Minerva Anesthesiologica</i> , 2015, 81, 426-39.	1.0	73
101	Monocytic HLA-DR expression kinetics in septic shock patients with different pathogens, sites of infection and adverse outcomes. <i>Critical Care</i> , 2020, 24, 110.	5.8	72
102	In vivo evidence for KCa channel opening properties of acetazolamide in the human vasculature. <i>British Journal of Pharmacology</i> , 2001, 132, 443-450.	5.4	71
103	Alkaline Phosphatase: A Possible Treatment for Sepsis-Associated Acute Kidney Injury in Critically Ill Patients. <i>American Journal of Kidney Diseases</i> , 2014, 63, 1038-1048.	1.9	71
104	Differential antibacterial control by neutrophil subsets. <i>Blood Advances</i> , 2018, 2, 1344-1355.	5.2	70
105	The impact of delirium on the prediction of in-hospital mortality in intensive care patients. <i>Critical Care</i> , 2010, 14, R146.	5.8	68
106	Circulating angiotensin-2 levels in the course of septic shock: relation with fluid balance, pulmonary dysfunction and mortality. <i>Intensive Care Medicine</i> , 2009, 35, 1567-1574.	8.2	67
107	Human suppressive neutrophils CD16 ^{bright} /CD62L ^{dim} exhibit decreased adhesion. <i>Journal of Leukocyte Biology</i> , 2012, 92, 1011-1020.	3.3	65
108	Alkaline phosphatase protects against renal inflammation through dephosphorylation of lipopolysaccharide and adenosine triphosphate. <i>British Journal of Pharmacology</i> , 2015, 172, 4932-4945.	5.4	65

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109	Endotoxemia-induced inflammation and the effect on the human brain. <i>Critical Care</i> , 2010, 14, R81.	5.8	64
110	Effects of the $\alpha 7$ Nicotinic Acetylcholine Receptor Agonist Gts-21 on the Innate Immune Response in Humans. <i>Shock</i> , 2011, 36, 5-11.	2.1	64
111	Danger in the Intensive Care Unit. <i>Shock</i> , 2016, 45, 108-116.	2.1	64
112	Experimental human endotoxemia as a model of systemic inflammation. <i>Biochimie</i> , 2019, 159, 99-106.	2.6	64
113	Targeting the Heme-Heme Oxygenase System to Prevent Severe Complications Following COVID-19 Infections. <i>Antioxidants</i> , 2020, 9, 540.	5.1	63
114	Letter to the Editor: Vitamin D deficiency in COVID-19: Mixing up cause and consequence. <i>Metabolism: Clinical and Experimental</i> , 2021, 115, 154434.	3.4	63
115	Inhibition of caspase-1 activation in gram-negative sepsis and experimental endotoxemia. <i>Critical Care</i> , 2011, 15, R27.	5.8	61
116	Pharmacokinetics of caspofungin in ICU patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 3294-3299.	3.0	61
117	Dysregulated Innate and Adaptive Immune Responses Discriminate Disease Severity in COVID-19. <i>Journal of Infectious Diseases</i> , 2021, 223, 1322-1333.	4.0	61
118	$\alpha 7$ Nicotinic acetylcholine receptor agonist GTS-21 attenuates ventilator-induced tumour necrosis factor- α production and lung injury. <i>British Journal of Anaesthesia</i> , 2011, 107, 559-566.	3.4	59
119	Effort but not Reward Sensitivity is Altered by Acute Sickness Induced by Experimental Endotoxemia in Humans. <i>Neuropsychopharmacology</i> , 2018, 43, 1107-1118.	5.4	59
120	How to ventilate obese patients in the ICU. <i>Intensive Care Medicine</i> , 2020, 46, 2423-2435.	8.2	59
121	Acetazolamide-mediated decrease in strong ion difference accounts for the correction of metabolic alkalosis in critically ill patients. <i>Critical Care</i> , 2006, 10, R14.	5.8	58
122	F-18-fluorodeoxyglucose positron emission tomography combined with CT in critically ill patients with suspected infection. <i>Intensive Care Medicine</i> , 2010, 36, 504-511.	8.2	58
123	“Less Is More” in Critically Ill Patients. <i>JAMA Internal Medicine</i> , 2013, 173, 1369.	5.1	58
124	Vascular Effects of Adrenomedullin and the Anti-Adrenomedullin Antibody Adrecizumab in Sepsis. <i>Shock</i> , 2018, 50, 132-140.	2.1	58
125	Vascular Endothelial Growth Factor in Systemic Capillary Leak Syndrome. <i>American Journal of Medicine</i> , 2009, 122, e5-e7.	1.5	57
126	Monocyte Subsets Are Differentially Lost from the Circulation during Acute Inflammation Induced by Human Experimental Endotoxemia. <i>Journal of Innate Immunity</i> , 2017, 9, 464-474.	3.8	57

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127	Vascular effects of loop diuretics. <i>Cardiovascular Research</i> , 1996, 32, 988-997.	3.8	55
128	Hematological indices, inflammatory markers and neutrophil CD64 expression: comparative trends during experimental human endotoxemia. <i>Journal of Endotoxin Research</i> , 2007, 13, 94-100.	2.5	55
129	Increased vagal tone accounts for the observed immune paralysis in patients with traumatic brain injury. <i>Neurology</i> , 2008, 70, 480-485.	1.1	54
130	The discriminative capacity of soluble Toll-like receptor (sTLR)2 and sTLR4 in inflammatory diseases. <i>BMC Immunology</i> , 2014, 15, 55.	2.2	54
131	Measurement of the Endogenous Adenosine Concentration in Humans In Vivo: Methodological Considerations. <i>Current Drug Metabolism</i> , 2008, 9, 679-685.	1.2	53
132	The Effects of Brain Injury on Heart Rate Variability and the Innate Immune Response in Critically Ill Patients. <i>Journal of Neurotrauma</i> , 2012, 29, 747-755.	3.4	53
133	Inflammation-Induced Increases in Plasma Endocan Levels are Associated With Endothelial Dysfunction in Humans in vivo. <i>Shock</i> , 2015, 43, 322-326.	2.1	53
134	Proenkephalin A 119-159 (Penkid) Is an Early Biomarker of Septic Acute Kidney Injury: The Kidney in Sepsis and Septic Shock (Kid-SSS) Study. <i>Kidney International Reports</i> , 2018, 3, 1424-1433.	0.8	53
135	Increased blood angiotensin converting enzyme 2 activity in critically ill COVID-19 patients. <i>ERJ Open Research</i> , 2021, 7, 00848-2020.	2.6	52
136	Combination of biomarkers for the discrimination between bacterial and viral lower respiratory tract infections. <i>Journal of Infection</i> , 2012, 65, 490-495.	3.3	51
137	Biomarkers for antimicrobial stewardship: a reappraisal in COVID-19 times?. <i>Critical Care</i> , 2020, 24, 600.	5.8	51
138	Calcitonin gene-related peptide: exploring its vasodilating mechanism of action in humans. <i>Clinical Pharmacology and Therapeutics</i> , 2003, 73, 312-321.	4.7	50
139	Complicating infectious foci in patients with <i>Staphylococcus aureus</i> or <i>Streptococcus</i> species bacteraemia. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2007, 26, 105-113.	2.9	50
140	The role of nurses in the recognition and treatment of patients with sepsis in the emergency department: A prospective before-and-after intervention study. <i>International Journal of Nursing Studies</i> , 2010, 47, 1464-1473.	5.6	50
141	The Effects of Orally Administered Beta-Glucan on Innate Immune Responses in Humans, a Randomized Open-Label Intervention Pilot-Study. <i>PLoS ONE</i> , 2014, 9, e108794.	2.5	50
142	Dexamethasone and tocilizumab treatment considerably reduces the value of C-reactive protein and procalcitonin to detect secondary bacterial infections in COVID-19 patients. <i>Critical Care</i> , 2021, 25, 281.	5.8	50
143	Iso-osmolar prehydration shifts the cytokine response towards a more anti-inflammatory balance in human endotoxemia. <i>Journal of Endotoxin Research</i> , 2005, 11, 287-293.	2.5	49
144	Gastrointestinal Perfusion in Septic Shock. <i>Anaesthesia and Intensive Care</i> , 2007, 35, 679-694.	0.7	49

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145	Inflammation-associated changes in lipid composition and the organization of the erythrocyte membrane. <i>BBA Clinical</i> , 2016, 5, 186-192.	4.1	49
146	Altered Micafungin Pharmacokinetics in Intensive Care Unit Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4403-4409.	3.2	48
147	Continuous Administration of Enteral Lipid- and Protein-Rich Nutrition Limits Inflammation in a Human Endotoxemia Model. <i>Critical Care Medicine</i> , 2013, 41, 1258-1265.	0.9	47
148	Short-Term Hypoxia Dampens Inflammation in vivo via Enhanced Adenosine Release and Adenosine 2B Receptor Stimulation. <i>EBioMedicine</i> , 2018, 33, 144-156.	6.1	47
149	A Causal Role for Endothelin-1 in the Vascular Adaptation to Skeletal Muscle Deconditioning in Spinal Cord injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 325-331.	2.4	46
150	Effect of organisational factors on the variation in incidence of delirium in intensive care unit patients: A systematic review and meta-regression analysis. <i>Australian Critical Care</i> , 2018, 31, 180-187.	1.3	46
151	Serial and panel analyses of biomarkers do not improve the prediction of bacteremia compared to one procalcitonin measurement. <i>Journal of Infection</i> , 2012, 65, 292-301.	3.3	45
152	Effect of metformin pretreatment on myocardial injury during coronary artery bypass surgery in patients without diabetes (MetCAB): a double-blind, randomised controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 615-623.	11.4	45
153	Circulating iFABP Levels as a Marker of Intestinal Damage in Trauma Patients. <i>Shock</i> , 2015, 43, 117-120.	2.1	44
154	Spleen-derived IFN- β induces generation of PD-L1+ suppressive neutrophils during endotoxemia. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1401-1409.	3.3	44
155	Impaired renal function is associated with greater urinary strong ion differences in critically ill patients with metabolic acidosis. <i>Journal of Critical Care</i> , 2012, 27, 255-260.	2.2	42
156	Characterization of a model of systemic inflammation in humans in vivo elicited by continuous infusion of endotoxin. <i>Scientific Reports</i> , 2017, 7, 40149.	3.3	42
157	Delirium prediction in the intensive care unit: comparison of two delirium prediction models. <i>Critical Care</i> , 2018, 22, 114.	5.8	42
158	Inflammation-induced hepcidin-25 is associated with the development of anemia in septic patients: an observational study. <i>Critical Care</i> , 2011, 15, R9.	5.8	41
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173	Nangibotide in patients with septic shock: a Phase 2a randomized controlled clinical trial. <i>Intensive Care Medicine</i> , 2020, 46, 1425-1437.	8.2	38
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