

Peter Pickkers

List of Publications by Citations

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463
papers

17,828
citations

71
h-index

116
g-index

498
ext. papers

22,877
ext. citations

7.3
avg, IF

6.76
L-index

#	Paper	IF	Citations
463	Decontamination of the digestive tract and oropharynx in ICU patients. <i>New England Journal of Medicine</i> , 2009 , 360, 20-31	59.2	673
462	Assessment of the worldwide burden of critical illness: the intensive care over nations (ICON) audit. <i>Lancet Respiratory Medicine</i> , 2014 , 2, 380-6	35.1	566
461	A subset of neutrophils in human systemic inflammation inhibits T cell responses through Mac-1. <i>Journal of Clinical Investigation</i> , 2012 , 122, 327-36	15.9	525
460	A unified theory of sepsis-induced acute kidney injury: inflammation, microcirculatory dysfunction, bioenergetics, and the tubular cell adaptation to injury. <i>Shock</i> , 2014 , 41, 3-11	3.4	458
459	Time-course analysis of hepcidin, serum iron, and plasma cytokine levels in humans injected with LPS. <i>Blood</i> , 2005 , 106, 1864-6	2.2	395
458	Broad defects in the energy metabolism of leukocytes underlie immunoparalysis in sepsis. <i>Nature Immunology</i> , 2016 , 17, 406-13	19.1	304
457	Inflammation in AKI: Current Understanding, Key Questions, and Knowledge Gaps. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 371-9	12.7	288
456	A guiding map for inflammation. <i>Nature Immunology</i> , 2017 , 18, 826-831	19.1	284
455	β-Glucan Reverses the Epigenetic State of LPS-Induced Immunological Tolerance. <i>Cell</i> , 2016 , 167, 1354-1368	36.1	283
454	Development and validation of PRE-DELIRIC (PREdiction of DELIRium in ICu patients) delirium prediction model for intensive care patients: observational multicentre study. <i>BMJ, The</i> , 2012 , 344, e4205	5.9	229
453	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	14.9	229
452	Delirium in critically ill patients: impact on long-term health-related quality of life and cognitive functioning. <i>Critical Care Medicine</i> , 2012 , 40, 112-8	1.4	224
451	Immunochemical and mass-spectrometry-based serum hepcidin assays for iron metabolism disorders. <i>Clinical Chemistry</i> , 2010 , 56, 1570-9	5.5	175
450	Cytokine Levels in Critically Ill Patients With COVID-19 and Other Conditions. <i>JAMA - Journal of the American Medical Association</i> , 2020 ,	27.4	175
449	Immunotherapy for the adjunctive treatment of sepsis: From immunosuppression to immunostimulation. Time for a paradigm change?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 1287-93	10.2	173
448	Reversal of immunoparalysis in humans in vivo: a double-blind, placebo-controlled, randomized pilot study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 838-45	10.2	165
447	Functional heterogeneity and differential priming of circulating neutrophils in human experimental endotoxemia. <i>Journal of Leukocyte Biology</i> , 2010 , 88, 211-20	6.5	155

446	Effect of Haloperidol on Survival Among Critically Ill Adults With a High Risk of Delirium: The REDUCE Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 319, 680-690	37.4	147
445	Interferon-gamma as adjunctive immunotherapy for invasive fungal infections: a case series. <i>BMC Infectious Diseases</i> , 2014 , 14, 166	4	147
444	Incidence and short-term consequences of delirium in critically ill patients: A prospective observational cohort study. <i>International Journal of Nursing Studies</i> , 2012 , 49, 775-83	5.8	143
443	The Itaconate Pathway Is a Central Regulatory Node Linking Innate Immune Tolerance and Trained Immunity. <i>Cell Metabolism</i> , 2019 , 29, 211-220.e5	24.6	141
442	Gender differences in the innate immune response and vascular reactivity following the administration of endotoxin to human volunteers. <i>Critical Care Medicine</i> , 2007 , 35, 1464-9	1.4	136
441	BCG Vaccination Enhances the Immunogenicity of Subsequent Influenza Vaccination in Healthy Volunteers: A Randomized, Placebo-Controlled Pilot Study. <i>Journal of Infectious Diseases</i> , 2015 , 212, 1930-8	7	134
440	Body mass index is associated with hospital mortality in critically ill patients: an observational cohort study. <i>Critical Care Medicine</i> , 2013 , 41, 1878-83	1.4	134
439	Alkaline phosphatase for treatment of sepsis-induced acute kidney injury: a prospective randomized double-blind placebo-controlled trial. <i>Critical Care</i> , 2012 , 16, R14	10.8	133
438	The impact of hospital and ICU organizational factors on outcome in critically ill patients: results from the Extended Prevalence of Infection in Intensive Care study. <i>Critical Care Medicine</i> , 2015 , 43, 519-26	1.4	128
437	Voluntary activation of the sympathetic nervous system and attenuation of the innate immune response in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7379-84	11.5	128
436	Obesity in the critically ill: a narrative review. <i>Intensive Care Medicine</i> , 2019 , 45, 757-769	14.5	126
435	Alkaline phosphatase treatment improves renal function in severe sepsis or septic shock patients. <i>Critical Care Medicine</i> , 2009 , 37, 417-23, e1	1.4	120
434	IFN- β -stimulated neutrophils suppress lymphocyte proliferation through expression of PD-L1. <i>PLoS ONE</i> , 2013 , 8, e72249	3.7	119
433	Selective iNOS inhibition for the treatment of sepsis-induced acute kidney injury. <i>Nature Reviews Nephrology</i> , 2009 , 5, 629-40	14.9	118
432	Development of endotoxin tolerance in humans in vivo. <i>Critical Care Medicine</i> , 2009 , 37, 1261-7	1.4	118
431	Renal replacement therapy in acute kidney injury: controversy and consensus. <i>Critical Care</i> , 2015 , 19, 146	10.8	117
430	The effects of the anti-hepcidin Spiegelmer NOX-H94 on inflammation-induced anemia in cynomolgus monkeys. <i>Blood</i> , 2013 , 121, 2311-5	2.2	117
429	Acute hypoxemic respiratory failure in immunocompromised patients: the Efraim multinational prospective cohort study. <i>Intensive Care Medicine</i> , 2017 , 43, 1808-1819	14.5	115

428	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. <i>Critical Care</i> , 2011 , 15, R297	10.8	114
427	Inhibition of carbonic anhydrase accounts for the direct vascular effects of hydrochlorothiazide. <i>Hypertension</i> , 1999 , 33, 1043-8	8.5	110
426	Increased mortality associated with methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) infection in the intensive care unit: results from the EPIC II study. <i>International Journal of Antimicrobial Agents</i> , 2011 , 38, 331-5	14.3	109
425	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	32.3	109
424	Vascular endothelial growth factor is increased during the first 48 hours of human septic shock and correlates with vascular permeability. <i>Shock</i> , 2005 , 24, 508-12	3.4	108
423	Dynamic indices do not predict volume responsiveness in routine clinical practice. <i>British Journal of Anaesthesia</i> , 2012 , 108, 395-401	5.4	97
422	The Lung is a Host Defense Niche for Immediate Neutrophil-Mediated Vascular Protection. <i>Science Immunology</i> , 2017 , 2,	28	96
421	Haloperidol prophylaxis in critically ill patients with a high risk for delirium. <i>Critical Care</i> , 2013 , 17, R9	10.8	96
420	Thiazide-induced vasodilation in humans is mediated by potassium channel activation. <i>Hypertension</i> , 1998 , 32, 1071-6	8.5	92
419	Plasma levels of danger-associated molecular patterns are associated with immune suppression in trauma patients. <i>Intensive Care Medicine</i> , 2016 , 42, 551-561	14.5	91
418	Multinational development and validation of an early prediction model for delirium in ICU patients. <i>Intensive Care Medicine</i> , 2015 , 41, 1048-56	14.5	89
417	Swarm Learning for decentralized and confidential clinical machine learning. <i>Nature</i> , 2021 , 594, 265-270	50.4	89
416	Quality Improvement Goals for Acute Kidney Injury. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2019 , 14, 941-953	6.9	88
415	Emphysema and pneumothorax after percutaneous tracheostomy: case reports and an anatomic study. <i>Chest</i> , 2004 , 125, 1805-14	5.3	88
414	Enteroendocrine L Cells Sense LPS after Gut Barrier Injury to Enhance GLP-1 Secretion. <i>Cell Reports</i> , 2017 , 21, 1160-1168	10.6	85
413	Cardiac and Vascular Surgery-Associated Acute Kidney Injury: The 20th International Consensus Conference of the ADQI (Acute Disease Quality Initiative) Group. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	85
412	Regulation of hepcidin: insights from biochemical analyses on human serum samples. <i>Blood Cells, Molecules, and Diseases</i> , 2008 , 40, 339-46	2.1	84
411	Recommendations on Acute Kidney Injury Biomarkers From the Acute Disease Quality Initiative Consensus Conference: A Consensus Statement. <i>JAMA Network Open</i> , 2020 , 3, e2019209	10.4	84

410	Recalibration of the delirium prediction model for ICU patients (PRE-DELIRIC): a multinational observational study. <i>Intensive Care Medicine</i> , 2014 , 40, 361-9	14.5	83
409	Guideline implementation results in a decrease of pressure ulcer incidence in critically ill patients. <i>Critical Care Medicine</i> , 2007 , 35, 815-20	1.4	83
408	Effect of the antihepcidin Spiegelmer lexaptetid on inflammation-induced decrease in serum iron in humans. <i>Blood</i> , 2014 , 124, 2643-6	2.2	82
407	In vivo evidence for nitric oxide-mediated calcium-activated potassium-channel activation during human endotoxemia. <i>Circulation</i> , 2006 , 114, 414-21	16.7	82
406	Systemic inflammation increases intestinal permeability during experimental human endotoxemia. <i>Shock</i> , 2009 , 32, 374-8	3.4	81
405	The Intensive Care Medicine research agenda on critically ill oncology and hematology patients. <i>Intensive Care Medicine</i> , 2017 , 43, 1366-1382	14.5	80
404	Direct vascular effects of furosemide in humans. <i>Circulation</i> , 1997 , 96, 1847-52	16.7	79
403	Gamma-irradiated bacille calmette-guérin vaccination does not modulate the innate immune response during experimental human endotoxemia. <i>Intensive Care Medicine Experimental</i> , 2015 , 3,	3.7	78
402	Hypoxia and hypoxia-mimetics attenuate the inflammatory response during murine endotoxemia. <i>Intensive Care Medicine Experimental</i> , 2015 , 3,	3.7	78
401	Sufficient sleep quality easily measured: a multicenter centre study in dutch ICUS. <i>Intensive Care Medicine Experimental</i> , 2015 , 3,	3.7	78
400	Human rhinovirus infection induces local and systemic immunological tolerance in healthy volunteers. <i>Intensive Care Medicine Experimental</i> , 2015 , 3,	3.7	78
399	New markers of inflammation-induced renal injury subside when endotoxin tolerance develops in humans as measured by urine proteomics. <i>Critical Care</i> , 2010 , 14, P511	10.8	78
398	Influence of mild therapeutic hypothermia after cardiac arrest on hospital mortality. <i>Critical Care Medicine</i> , 2011 , 39, 84-8	1.4	75
397	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, 853-62	6.9	73
396	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. <i>Genome Medicine</i> , 2021 , 13, 7	14.4	73
395	Effect of Human Recombinant Alkaline Phosphatase on 7-Day Creatinine Clearance in Patients With Sepsis-Associated Acute Kidney Injury: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 1998-2009	27.4	73
394	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	8.9	72
393	Contribution of various metabolites to the "unmeasured" anions in critically ill patients with metabolic acidosis. <i>Critical Care Medicine</i> , 2008 , 36, 752-8	1.4	72

392	Comparison of European ICU patients in 2012 (ICON) versus 2002 (SOAP). <i>Intensive Care Medicine</i> , 2018 , 44, 337-344	14.5	71
391	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	10.8	71
390	The crystal structure of lipopolysaccharide binding protein reveals the location of a frequent mutation that impairs innate immunity. <i>Immunity</i> , 2013 , 39, 647-60	32.3	71
389	Comparison and clinical suitability of eight prediction models for cardiac surgery-related acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 345-51	4.3	71
388	Differential ex vivo and in vivo endotoxin tolerance kinetics following human endotoxemia. <i>Critical Care Medicine</i> , 2011 , 39, 1866-70	1.4	71
387	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, 10272-7	11.5	71
386	Potentially Inadvertent Immunomodulation: Norepinephrine Use in Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 550-8	10.2	70
385	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, 863-72	6	69
384	Adrenomedullin in heart failure: pathophysiology and therapeutic application. <i>European Journal of Heart Failure</i> , 2019 , 21, 163-171	12.3	69
383	Precision Immunotherapy for Sepsis. <i>Frontiers in Immunology</i> , 2018 , 9, 1926	8.4	66
382	Implementation of a delirium assessment tool in the ICU can influence haloperidol use. <i>Critical Care</i> , 2009 , 13, R131	10.8	66
381	In vivo evidence for K(Ca) channel opening properties of acetazolamide in the human vasculature. <i>British Journal of Pharmacology</i> , 2001 , 132, 443-50	8.6	64
380	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	35.1	62
379	Alkaline phosphatase: a possible treatment for sepsis-associated acute kidney injury in critically ill patients. <i>American Journal of Kidney Diseases</i> , 2014 , 63, 1038-48	7.4	59
378	Human CD62L neutrophils identified as a separate subset by proteome profiling and in vivo pulse-chase labeling. <i>Blood</i> , 2017 , 129, 3476-3485	2.2	58
377	Impact of infection on the prognosis of critically ill cirrhotic patients: results from a large worldwide study. <i>Liver International</i> , 2014 , 34, 1496-503	7.9	58
376	Circulating angiopoietin-2 levels in the course of septic shock: relation with fluid balance, pulmonary dysfunction and mortality. <i>Intensive Care Medicine</i> , 2009 , 35, 1567-74	14.5	58
375	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	6.2	57

374	Sepsis-induced immunoparalysis: mechanisms, markers, and treatment options. <i>Minerva Anestesiologica</i> , 2015 , 81, 426-39	1.9	57
373	Anakinra treatment in critically ill COVID-19 patients: a prospective cohort study. <i>Critical Care</i> , 2020 , 24, 688	10.8	56
372	Systemic inflammation decreases pain threshold in humans in vivo. <i>PLoS ONE</i> , 2013 , 8, e84159	3.7	56
371	Effects of the α 7 nicotinic acetylcholine receptor agonist GTS-21 on the innate immune response in humans. <i>Shock</i> , 2011 , 36, 5-11	3.4	56
370	The impact of delirium on the prediction of in-hospital mortality in intensive care patients. <i>Critical Care</i> , 2010 , 14, R146	10.8	56
369	Crew Resource Management in the Intensive Care Unit: a prospective 3-year cohort study. <i>Acta Anaesthesiologica Scandinavica</i> , 2015 , 59, 1319-29	1.9	55
368	Mechanical ventilation-induced intrathoracic pressure distribution and heart-lung interactions*. <i>Critical Care Medicine</i> , 2014 , 42, 1983-90	1.4	55
367	Plasma Nuclear and Mitochondrial DNA Levels, and Markers of Inflammation, Shock, and Organ Damage in Patients with Septic Shock. <i>Shock</i> , 2016 , 45, 607-12	3.4	55
366	Effect of Selepressin vs Placebo on Ventilator- and Vasopressor-Free Days in Patients With Septic Shock: The SEPSIS-ACT Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 1476-1485	27.4	54
365	Trends in admission prevalence, illness severity and survival of haematological patients treated in Dutch intensive care units. <i>Intensive Care Medicine</i> , 2014 , 40, 1275-84	14.5	54
364	The intensive care medicine agenda on acute kidney injury. <i>Intensive Care Medicine</i> , 2017 , 43, 1198-1209	14.5	53
363	Adrenomedullin and Adrenomedullin-Targeted Therapy As Treatment Strategies Relevant for Sepsis. <i>Frontiers in Immunology</i> , 2018 , 9, 292	8.4	53
362	Endotoxemia-induced inflammation and the effect on the human brain. <i>Critical Care</i> , 2010 , 14, R81	10.8	53
361	Pharmacokinetics of caspofungin in ICU patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 3294-9	9.1	52
360	Human suppressive neutrophils CD16bright/CD62Ldim exhibit decreased adhesion. <i>Journal of Leukocyte Biology</i> , 2012 , 92, 1011-20	6.5	51
359	Inhibition of caspase-1 activation in Gram-negative sepsis and experimental endotoxemia. <i>Critical Care</i> , 2011 , 15, R27	10.8	51
358	α 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, 559-66	5.4	51
357	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	2.4	49

356	Vascular effects of loop diuretics. <i>Cardiovascular Research</i> , 1996 , 32, 988-97	9.9	49
355	Increased Plasma Heparanase Activity in COVID-19 Patients. <i>Frontiers in Immunology</i> , 2020 , 11, 575047	8.4	49
354	F-18-fluorodeoxyglucose positron emission tomography combined with CT in critically ill patients with suspected infection. <i>Intensive Care Medicine</i> , 2010 , 36, 504-11	14.5	48
353	Multicentric experience with interferon gamma therapy in sepsis induced immunosuppression. A case series. <i>BMC Infectious Diseases</i> , 2019 , 19, 931	4	47
352	Alkaline phosphatase protects against renal inflammation through dephosphorylation of lipopolysaccharide and adenosine triphosphate. <i>British Journal of Pharmacology</i> , 2015 , 172, 4932-45	8.6	47
351	Measurement of the endogenous adenosine concentration in humans in vivo: methodological considerations. <i>Current Drug Metabolism</i> , 2008 , 9, 679-85	3.5	47
350	Hematological indices, inflammatory markers and neutrophil CD64 expression: comparative trends during experimental human endotoxemia. <i>Journal of Endotoxin Research</i> , 2007 , 13, 94-100		47
349	DANGER IN THE INTENSIVE CARE UNIT: DAMPS IN CRITICALLY ILL PATIENTS. <i>Shock</i> , 2016 , 45, 108-16	3.4	46
348	Inflammation-induced increases in plasma endocan levels are associated with endothelial dysfunction in humans in vivo. <i>Shock</i> , 2015 , 43, 322-6	3.4	46
347	Increased vagal tone accounts for the observed immune paralysis in patients with traumatic brain injury. <i>Neurology</i> , 2008 , 70, 480-5	6.5	46
346	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	10.8	46
345	Iso-osmolar prehydration shifts the cytokine response towards a more anti-inflammatory balance in human endotoxemia. <i>Journal of Endotoxin Research</i> , 2005 , 11, 287-93		46
344	Calcitonin gene-related peptide: exploring its vasodilating mechanism of action in humans. <i>Clinical Pharmacology and Therapeutics</i> , 2003 , 73, 312-21	6.1	45
343	Vascular endothelial growth factor in systemic capillary leak syndrome. <i>American Journal of Medicine</i> , 2009 , 122, e5-7	2.4	44
342	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, 325-31	9.4	44
341	Differential antibacterial control by neutrophil subsets. <i>Blood Advances</i> , 2018 , 2, 1344-1355	7.8	44
340	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, 747-55	5.4	42
339	Experimental human endotoxemia as a model of systemic inflammation. <i>Biochimie</i> , 2019 , 159, 99-106	4.6	41

338	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, 1464-73	5.8	41
337	Altered Micafungin Pharmacokinetics in Intensive Care Unit Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 4403-9	5.9	40
336	The discriminative capacity of soluble Toll-like receptor (sTLR)2 and sTLR4 in inflammatory diseases. <i>BMC Immunology</i> , 2014 , 15, 55	3.7	40
335	Complicating infectious foci in patients with Staphylococcus aureus or Streptococcus species bacteraemia. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2007 , 26, 105-13	5.3	40
334	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, 615-23	18.1	39
333	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, 255-60	4	38
332	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	18.9	38
331	Combination of biomarkers for the discrimination between bacterial and viral lower respiratory tract infections. <i>Journal of Infection</i> , 2012 , 65, 490-5	18.9	38
330	Non-invasive measurement of pulse pressure variation and systolic pressure variation using a finger cuff corresponds with intra-arterial measurement. <i>British Journal of Anaesthesia</i> , 2011 , 107, 540-5	5.4	38
329	Effect of anakinra on mortality in patients with COVID-19: a systematic review and patient-level meta-analysis. <i>Lancet Rheumatology</i> , 2021 , 3, e690-e697	14.2	38
328	Targeting the Heme-Heme Oxygenase System to Prevent Severe Complications Following COVID-19 Infections. <i>Antioxidants</i> , 2020 , 9,	7.1	37
327	Continuous administration of enteral lipid- and protein-rich nutrition limits inflammation in a human endotoxemia model. <i>Critical Care Medicine</i> , 2013 , 41, 1258-65	1.4	37
326	Gastrointestinal perfusion in septic shock. <i>Anaesthesia and Intensive Care</i> , 2007 , 35, 679-94	1.1	36
325	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	6.9	35
324	Blueprints of signaling interactions between pattern recognition receptors: implications for the design of vaccine adjuvants. <i>Vaccine Journal</i> , 2013 , 20, 427-32		35
323	Vascular Effects of Adrenomedullin and the Anti-Adrenomedullin Antibody Adrecizumab in Sepsis. <i>Shock</i> , 2018 , 50, 132-140	3.4	34
322	"Less is more" in critically ill patients: not too intensive. <i>JAMA Internal Medicine</i> , 2013 , 173, 1369-72	11.5	34
321	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	3.7	34

320	Hypertonic fluid administration in patients with septic shock: a prospective randomized controlled pilot study. <i>Shock</i> , 2012 , 37, 268-75	3.4	34
319	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	10.8	34
318	Impact of special patient populations on the pharmacokinetics of echinocandins. <i>Expert Review of Anti-Infective Therapy</i> , 2015 , 13, 799-815	5.5	33
317	Effort but not Reward Sensitivity is Altered by Acute Sickness Induced by Experimental Endotoxemia in Humans. <i>Neuropsychopharmacology</i> , 2018 , 43, 1107-1118	8.7	33
316	Inflammation-induced hepcidin-25 is associated with the development of anemia in septic patients: an observational study. <i>Critical Care</i> , 2011 , 15, R9	10.8	33
315	Biomarker discovery with SELDI-TOF MS in human urine associated with early renal injury: evaluation with computational analytical tools. <i>Nephrology Dialysis Transplantation</i> , 2007 , 22, 2932-43	4.3	33
314	Intensive insulin therapy does not alter the inflammatory response in patients undergoing coronary artery bypass grafting: a randomized controlled trial [ISRCTN95608630]. <i>Critical Care</i> , 2005 , 9, R790-7	10.8	33
313	Inflammation-associated changes in lipid composition and the organization of the erythrocyte membrane. <i>BBA Clinical</i> , 2016 , 5, 186-92		33
312	Letter to the Editor: Vitamin D deficiency in COVID-19: Mixing up cause and consequence. <i>Metabolism: Clinical and Experimental</i> , 2021 , 115, 154434	12.7	33
311	Microcirculation and vascular reactivity during endotoxemia and endotoxin tolerance in humans. <i>Shock</i> , 2009 , 31, 581-5	3.4	32
310	C1-esterase inhibitor attenuates the inflammatory response during human endotoxemia. <i>Critical Care Medicine</i> , 2010 , 38, 2139-45	1.4	32
309	Transcriptome kinetics of circulating neutrophils during human experimental endotoxemia. <i>PLoS ONE</i> , 2012 , 7, e38255	3.7	32
308	Circulating iFABP Levels as a marker of intestinal damage in trauma patients. <i>Shock</i> , 2015 , 43, 117-20	3.4	30
307	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	10.2	30
306	The KHENERGY Study: Safety and Efficacy of KH176 in Mitochondrial m.3243A>G Spectrum Disorders. <i>Clinical Pharmacology and Therapeutics</i> , 2019 , 105, 101-111	6.1	30
305	Effects of vagus nerve stimulation and vagotomy on systemic and pulmonary inflammation in a two-hit model in rats. <i>PLoS ONE</i> , 2012 , 7, e34431	3.7	30
304	Implementation of a new policy results in a decrease of pressure ulcer frequency. <i>International Journal for Quality in Health Care</i> , 2006 , 18, 107-12	1.9	30
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