

# Peter Pickkers

## List of Publications by Year in Descending Order

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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.

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	A guide to immunotherapy for COVID-19.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	27
462	An Integral Pharmacokinetic Analysis of Piperacillin and Tazobactam in Plasma and Urine in Critically Ill Patients.. <i>Clinical Pharmacokinetics</i> , <b>2022</b> , 1	6.2	1
461	Promotion of vascular integrity in sepsis through modulation of bioactive adrenomedullin and dipeptidyl peptidase 3. <i>Journal of Internal Medicine</i> , <b>2021</b> , 289, 792-806	10.8	4
460	Endothelial dysfunction: a therapeutic target in bacterial sepsis?. <i>Expert Opinion on Therapeutic Targets</i> , <b>2021</b> , 25, 733-748	6.4	1
459	Safety and tolerability of non-neutralizing adrenomedullin antibody adrecizumab (HAM8101) in septic shock patients: the AdrenOSS-2 phase 2a biomarker-guided trial. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 1284-1294	14.5	8
458	Sepsis-Induced Immunosuppression. <i>Annual Review of Physiology</i> , <b>2021</b> ,	23.1	6
457	A limited role of cytokine storm and fibrogenesis in COVID-19 related liver injury. <i>Journal of Gastrointestinal and Liver Diseases</i> , <b>2021</b> , 30, 166-168	1.4	
456	The Association of TSH and Thyroid Hormones With Lymphopenia in Bacterial Sepsis and COVID-19. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, 1994-2009	5.6	5
455	Phenylephrine impairs host defence mechanisms to infection: a combined laboratory study in mice and translational human study. <i>British Journal of Anaesthesia</i> , <b>2021</b> , 126, 652-664	5.4	4
454	Chloroquine for treatment of COVID-19 results in subtherapeutic exposure and prolonged QTc intervals. <i>International Journal of Antimicrobial Agents</i> , <b>2021</b> , 57, 106293	14.3	0
453	Circulating biomarkers to assess cardiovascular function in critically ill. <i>Current Opinion in Critical Care</i> , <b>2021</b> , 27, 261-268	3.5	1
452	Association Between Incident Delirium Treatment With Haloperidol and Mortality in Critically Ill Adults. <i>Critical Care Medicine</i> , <b>2021</b> , 49, 1303-1311	1.4	1
451	Safety and Efficacy of Human Chorionic Gonadotropin Hormone-Derivative EA-230 in Cardiac Surgery Patients: A Randomized Double-Blind Placebo-Controlled Study. <i>Critical Care Medicine</i> , <b>2021</b> , 49, 790-803	1.4	0
450	Neuroinflammation in cognitive decline post-cardiac surgery (the FOCUS study): an observational study protocol. <i>BMJ Open</i> , <b>2021</b> , 11, e044062	3	0
449	Swarm Learning for decentralized and confidential clinical machine learning. <i>Nature</i> , <b>2021</b> , 594, 265-270	50.4	89
448	Kinetics of Neutrophil Subsets in Acute, Subacute, and Chronic Inflammation. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 674079	8.4	4
447	Wearable Patch Heart Rate Variability Is an Early Marker of Systemic Inflammation During Experimental Human Endotoxemia. <i>Shock</i> , <b>2021</b> , 56, 537-543	3.4	1

446	A mould infection in disguise. <i>Clinical Microbiology and Infection</i> , <b>2021</b> , 27, 854-855	9.5	1
445	Association Between an Increase in Serum Sodium and In-Hospital Mortality in Critically Ill Patients. <i>Critical Care Medicine</i> , <b>2021</b> , 49, 2070-2079	1.4	2
444	Increased sTREM-1 plasma concentrations are associated with poor clinical outcomes in patients with COVID-19. <i>Bioscience Reports</i> , <b>2021</b> , 41,	4.1	4
443	Systemic inflammation down-regulates glyoxalase-1 expression: an experimental study in healthy males. <i>Bioscience Reports</i> , <b>2021</b> , 41,	4.1	1
442	Human in vivo neuroimaging to detect reprogramming of the cerebral immune response following repeated systemic inflammation. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 95, 321-329	16.6	3
441	Acute kidney injury in the critically ill: an updated review on pathophysiology and management. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 835-850	14.5	17
440	The chicken or the egg: low testosterone predisposes for COVID-19 or COVID-19 induces a decrease in testosterone?. <i>Critical Care</i> , <b>2021</b> , 25, 237	10.8	
439	Acute Respiratory Failure Outcomes in Patients with Hematologic Malignancies and Hematopoietic Cell Transplant: A Secondary Analysis of the EFRAIM Study. <i>Transplantation and Cellular Therapy</i> , <b>2021</b> , 27, 78.e1-78.e6		3
438	Intestinal fatty acid binding protein as a predictor for intra-abdominal pressure-related complications in patients admitted to the intensive care unit; a prospective cohort study (I-Fabulous study). <i>Journal of Critical Care</i> , <b>2021</b> , 63, 211-217	4	2
437	Letter to the Editor: Vitamin D deficiency in COVID-19: Mixing up cause and consequence. <i>Metabolism: Clinical and Experimental</i> , <b>2021</b> , 115, 154434	12.7	33
436	ICU-acquired pneumonia in immunosuppressed patients with acute hypoxemic respiratory failure: A post-hoc analysis of a prospective international cohort study. <i>Journal of Critical Care</i> , <b>2021</b> , 63, 243-245		4
435	Increased blood angiotensin converting enzyme 2 activity in critically ill COVID-19 patients. <i>ERJ Open Research</i> , <b>2021</b> , 7,	3.5	25
434	A higher BMI is not associated with a different immune response and disease course in critically ill COVID-19 patients. <i>International Journal of Obesity</i> , <b>2021</b> , 45, 687-694	5.5	14
433	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. <i>Genome Medicine</i> , <b>2021</b> , 13, 7	14.4	73
432	Monitoring circulating dipeptidyl peptidase 3 (DPP3) predicts improvement of organ failure and survival in sepsis: a prospective observational multinational study. <i>Critical Care</i> , <b>2021</b> , 25, 61	10.8	4
431	Dysregulated Innate and Adaptive Immune Responses Discriminate Disease Severity in COVID-19. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 1322-1333	7	24
430	Body Mass Index and Mortality in Coronavirus Disease 2019 and Other Diseases: A Cohort Study in 35,506 ICU Patients. <i>Critical Care Medicine</i> , <b>2021</b> , 50,	1.4	3
429	Late augmented renal clearance in patients with COVID-19 in the intensive care unit. A prospective observational study. <i>Journal of Critical Care</i> , <b>2021</b> , 64, 7-9	4	6

428	High unbound flucloxacillin fraction in critically ill patients. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 3220-3228	5.1	3
427	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> , <b>2021</b> , 25, 281	10.8	14
426	Bacteremia in critically ill immunocompromised patients with acute hypoxic respiratory failure: A post-hoc analysis of a prospective multicenter multinational cohort. <i>Journal of Critical Care</i> , <b>2021</b> , 64, 114-119	4	0
425	Case-control study on the interplay between immunoparalysis and delirium after cardiac surgery. <i>Journal of Cardiothoracic Surgery</i> , <b>2021</b> , 16, 239	1.6	
424	The value of D-dimer to predict pulmonary embolism in critically ill COVID-19 patients. <i>Journal of Critical Care</i> , <b>2021</b> , 64, 18-21	4	1
423	The Impact of Nursing Delirium Preventive Interventions in the ICU: A Multicenter Cluster-randomized Controlled Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 204, 682-691	10.2	4
422	Near-Infrared Spectroscopy-Derived Dynamic Cerebral Autoregulation in Experimental Human Endotoxemia-An Exploratory Study. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 695705	4.1	0
421	Interferon gamma immunotherapy in five critically ill COVID-19 patients with impaired cellular immunity: A case series. <i>Med</i> , <b>2021</b> , 2, 1163-1170.e2	31.7	7
420	Effect of anakinra on mortality in patients with COVID-19: a systematic review and patient-level meta-analysis. <i>Lancet Rheumatology</i> , <b>2021</b> , 3, e690-e697	14.2	38
419	Stewart analysis unmasking acidifying and alkalizing effects of ionic shifts during acute severe respiratory alkalosis. <i>Journal of Critical Care</i> , <b>2021</b> , 66, 1-5	4	0
418	Lysine methyltransferase G9a is an important modulator of trained immunity. <i>Clinical and Translational Immunology</i> , <b>2021</b> , 10, e1253	6.8	7
417	No interplay between gut microbiota composition and the lipopolysaccharide-induced innate immune response in humans. <i>Clinical and Translational Immunology</i> , <b>2021</b> , 10, e1278	6.8	0
416	Predictors for extubation failure in COVID-19 patients using a machine learning approach. <i>Critical Care</i> , <b>2021</b> , 25, 448	10.8	2
415	Anakinra treatment in critically ill COVID-19 patients: a prospective cohort study. <i>Critical Care</i> , <b>2020</b> , 24, 688	10.8	56
414	Reply to Chapman et al. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 162	3.7	
413	The effects of physical exercise on the assessment of kidney function. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 1459-1460	3.7	2
412	COVID-19 patients exhibit less pronounced immune suppression compared with bacterial septic shock patients. <i>Critical Care</i> , <b>2020</b> , 24, 263	10.8	16
411	Nangibotide in patients with septic shock: a Phase 2a randomized controlled clinical trial. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1425-1437	14.5	15

410	Norepinephrine Dysregulates the Immune Response and Compromises Host Defense during Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 830-842	10.2	30
409	Respiratory Mechanics and Outcomes in Immunocompromised Patients With ARDS: A Secondary Analysis of the EFRAIM Study. <i>Chest</i> , <b>2020</b> , 158, 1947-1957	5.3	4
408	Etiologies and Outcomes of Acute Respiratory Failure in Solid Organ Transplant Recipients: Insight Into the EFRAIM Multicenter Cohort. <i>Transplantation Proceedings</i> , <b>2020</b> , 52, 2980-2987	1.1	1
407	COVID-19: 10 things I wished I had known some months ago. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1449-1452	14.5	2
406	Monocytic HLA-DR expression kinetics in septic shock patients with different pathogens, sites of infection and adverse outcomes. <i>Critical Care</i> , <b>2020</b> , 24, 110	10.8	27
405	Downregulation of synapse-associated protein expression and loss of homeostatic microglial control in cerebrospinal fluid of infectious patients with delirium and patients with Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 89, 656-667	16.6	6
404	Targeting the Heme-Heme Oxygenase System to Prevent Severe Complications Following COVID-19 Infections. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	37
403	Influence of sedation on delirium recognition in critically ill patients: A multinational cohort study. <i>Australian Critical Care</i> , <b>2020</b> , 33, 420-425	2.9	6
402	Noradrenaline drives immunosuppression in sepsis: clinical consequences. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1246-1248	14.5	5
401	Involvement of Lactate and Pyruvate in the Anti-Inflammatory Effects Exerted by Voluntary Activation of the Sympathetic Nervous System. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	3
400	The clinical relevance of oliguria in the critically ill patient: analysis of a large observational database. <i>Critical Care</i> , <b>2020</b> , 24, 171	10.8	9
399	Dysregulated activities of proline-specific enzymes in septic shock patients (sepsis-2). <i>PLoS ONE</i> , <b>2020</b> , 15, e0231555	3.7	5
398	Higher Dosage of Ciprofloxacin Necessary in Critically Ill Patients: A New Dosing Algorithm Based on Renal Function and Pathogen Susceptibility. <i>Clinical Pharmacology and Therapeutics</i> , <b>2020</b> , 108, 770-774	6.1	4
397	Acute respiratory failure in immunocompromised patients: outcome and clinical features according to neutropenia status. <i>Annals of Intensive Care</i> , <b>2020</b> , 10, 146	8.9	3
396	Proenkephalin as a new biomarker for pediatric acute kidney injury - reference values and performance in children under one year of age. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2020</b> , 58, 1911-1919	5.9	2
395	Aminoglycosides in Immunocompromised Critically Ill Patients With Bacterial Pneumonia and Septic Shock: A Post-Hoc Analysis of a Prospective Multicenter Multinational Cohort. <i>Shock</i> , <b>2020</b> , 54, 731-737	3.4	1
394	Synergistic Signaling of TLR and IFN- $\gamma$ Facilitates Escape of IL-18 Expression from Endotoxin Tolerance. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 526-539	10.2	17
393	Differentiation and activation of eosinophils in the human bone marrow during experimental human endotoxemia. <i>Journal of Leukocyte Biology</i> , <b>2020</b> , 108, 1665-1671	6.5	19

392	Effect of Vasopressors on the Macro- and Microcirculation During Systemic Inflammation in Humans In Vivo. <i>Shock</i> , <b>2020</b> , 53, 171-174	3.4	9
391	Biomarkers for antimicrobial stewardship: a reappraisal in COVID-19 times?. <i>Critical Care</i> , <b>2020</b> , 24, 600	10.8	21
390	Increased Plasma Heparanase Activity in COVID-19 Patients. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 575047	8.4	49
389	How to ventilate obese patients in the ICU. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2423-2435	14.5	22
388	COVID-19-associated acute kidney injury: consensus report of the 25th Acute Disease Quality Initiative (ADQI) Workgroup. <i>Nature Reviews Nephrology</i> , <b>2020</b> , 16, 747-764	14.9	229
387	Recommendations on Acute Kidney Injury Biomarkers From the Acute Disease Quality Initiative Consensus Conference: A Consensus Statement. <i>JAMA Network Open</i> , <b>2020</b> , 3, e2019209	10.4	84
386	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. <i>Immunity</i> , <b>2020</b> , 53, 1296-1314.e9	32.3	109
385	Endotoxemia-Induced Release of Pro-inflammatory Mediators Are Associated With Increased Glomerular Filtration Rate in Humans. <i>Frontiers in Medicine</i> , <b>2020</b> , 7, 559671	4.9	2
384	Proenkephalin: A New Biomarker for Glomerular Filtration Rate and Acute Kidney Injury. <i>Nephron</i> , <b>2020</b> , 144, 655-661	3.3	13
383	Delirium After TAVR: Crosspassing the Limit of Resilience. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 2453-2466	5	1
382	Breath-synchronized electrical stimulation of the expiratory muscles in mechanically ventilated patients: a randomized controlled feasibility study and pooled analysis. <i>Critical Care</i> , <b>2020</b> , 24, 628	10.8	3
381	Cytokine Levels in Critically Ill Patients With COVID-19 and Other Conditions. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> ,	27.4	175
380	Effect of anakinra in COVID-19. <i>Lancet Rheumatology, The</i> , <b>2020</b> , 2, e523-e524	14.2	1
379	Proenkephalin Compared to Conventional Methods to Assess Kidney Function in Critically Ill Sepsis Patients. <i>Shock</i> , <b>2020</b> , 54, 308-314	3.4	19
378	Characterization of the phenotype of human eosinophils and their progenitors in the bone marrow of healthy individuals. <i>Haematologica</i> , <b>2020</b> , 105, e52-e56	6.6	7
377	Association between incident delirium and 28- and 90-day mortality in critically ill adults: a secondary analysis. <i>Critical Care</i> , <b>2020</b> , 24, 161	10.8	10
376	Dysregulated activities of proline-specific enzymes in septic shock patients (sepsis-2) <b>2020</b> , 15, e0231555		
375	Dysregulated activities of proline-specific enzymes in septic shock patients (sepsis-2) <b>2020</b> , 15, e0231555		

374	Dysregulated activities of proline-specific enzymes in septic shock patients (sepsis-2) <b>2020</b> , 15, e0231555		
373	Dysregulated activities of proline-specific enzymes in septic shock patients (sepsis-2) <b>2020</b> , 15, e0231555		
372	Adrecizumab, a non-neutralizing anti-adrenomedullin antibody, improves haemodynamics and attenuates myocardial oxidative stress in septic rats. <i>Intensive Care Medicine Experimental</i> , <b>2019</b> , 7, 25	3.7	15
371	Innovative Drugs to Target Renal Inflammation in Sepsis: Alkaline Phosphatase. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 919	5.6	14
370	The Human Chorionic Gonadotropin Derivate EA-230 Modulates the Immune Response and Exerts Renal Protective Properties: Therapeutic Potential in Humans. <i>Seminars in Nephrology</i> , <b>2019</b> , 39, 496-504	4.8	4
369	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> , <b>2019</b> , 322, 1476-1485	27.4	54
368	Hypoxia attenuates inflammation-induced hepcidin synthesis during experimental human endotoxemia. <i>Haematologica</i> , <b>2019</b> , 104, e230-e232	6.6	3
367	Frontline Science: Endotoxin-induced immunotolerance is associated with loss of monocyte metabolic plasticity and reduction of oxidative burst. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 106, 11-25	6.5	22
366	Differences in 90-day mortality of delirium subtypes in the intensive care unit: A retrospective cohort study. <i>Journal of Critical Care</i> , <b>2019</b> , 53, 120-124	4	15
365	Quality Improvement Goals for Acute Kidney Injury. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2019</b> , 14, 941-953	6.9	88
364	Diagnosis and outcome of acute respiratory failure in immunocompromised patients after bronchoscopy. <i>European Respiratory Journal</i> , <b>2019</b> , 54,	13.6	19
363	Remote ischaemic preconditioning does not modulate the systemic inflammatory response or renal tubular stress biomarkers after endotoxaemia in healthy human volunteers: a single-centre, mechanistic, randomised controlled trial. <i>British Journal of Anaesthesia</i> , <b>2019</b> , 123, 177-185	5.4	7
362	Influenza and associated co-infections in critically ill immunosuppressed patients. <i>Critical Care</i> , <b>2019</b> , 23, 152	10.8	12
361	Obesity in the critically ill: a narrative review. <i>Intensive Care Medicine</i> , <b>2019</b> , 45, 757-769	14.5	126
360	Fever in Sepsis: Still a Hot Topic. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 200, 263-264	10.2	
359	Comparison of different lots of endotoxin and evaluation of in vivo potency over time in the experimental human endotoxemia model. <i>Innate Immunity</i> , <b>2019</b> , 25, 34-45	2.7	5
358	Sepsis Management with a Blood Purification Membrane: European Experience. <i>Blood Purification</i> , <b>2019</b> , 47 Suppl 3, 1-9	3.1	10
357	A randomized double-blind, placebo-controlled clinical phase IIa trial on safety, immunomodulatory effects and pharmacokinetics of EA-230 during experimental human endotoxaemia. <i>British Journal of Clinical Pharmacology</i> , <b>2019</b> , 85, 1559-1571	3.8	8



356	Pharmacokinetics, safety and tolerability of the novel hCG derived immunomodulatory compound, EA-230. <i>British Journal of Clinical Pharmacology</i> , <b>2019</b> , 85, 1572-1584	3.8	6
355	Development and daily use of a numeric rating score to assess sleep quality in ICU patients. <i>Journal of Critical Care</i> , <b>2019</b> , 52, 68-74	4	7
354	A double-blind, placebo-controlled, randomised, multicentre, proof-of-concept and dose-finding phase II clinical trial to investigate the safety, tolerability and efficacy of adreuzumab in patients with septic shock and elevated adrenomedullin concentration (AdrenOSS-2). <i>BMJ Open</i> , <b>2019</b> , 9, e024475	3	22
353	The KHENERGY Study: Safety and Efficacy of KH176 in Mitochondrial m.3243A>G Spectrum Disorders. <i>Clinical Pharmacology and Therapeutics</i> , <b>2019</b> , 105, 101-111	6.1	30
352	Experimental human endotoxemia as a model of systemic inflammation. <i>Biochimie</i> , <b>2019</b> , 159, 99-106	4.6	41
351	Multicentric experience with interferon gamma therapy in sepsis induced immunosuppression. A case series. <i>BMC Infectious Diseases</i> , <b>2019</b> , 19, 931	4	47
350	The Safety, Tolerability, and Effects on the Systemic Inflammatory Response and Renal Function of the Human Chorionic Gonadotropin Hormone-Derivative EA-230 Following On-Pump Cardiac Surgery (The EASI Study): Protocol for a Randomized, Double-Blind, Placebo-Controlled Phase 2 Study. <i>JMIR Research Protocols</i> , <b>2019</b> , 8, e11441	2	5
349	The value of the neutrophil-lymphocyte count ratio in the diagnosis of sepsis in patients admitted to the Intensive Care Unit: A retrospective cohort study. <i>PLoS ONE</i> , <b>2019</b> , 14, e0212861	3.7	19
348	Preclinical safety evaluation of the adrenomedullin-binding antibody Adreuzumab in rodents, dogs and non-human primates. <i>Toxicology and Applied Pharmacology</i> , <b>2019</b> , 369, 1-16	4.6	4
347	Mitochondrial DNA: Innocent in Plasma, but Guilty in Urine?. <i>Shock</i> , <b>2019</b> , 51, 266	3.4	2
346	Long-Term Effects of Experimental Human Endotoxemia on Immune Cell Function: Similarities and Differences With Sepsis. <i>Shock</i> , <b>2019</b> , 51, 678-689	3.4	6
345	Treatment With Acetylsalicylic Acid Reverses Endotoxin Tolerance in Humans In Vivo: A Randomized Placebo-Controlled Study. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 508-516	1.4	14
344	External Validation of Two Models to Predict Delirium in Critically Ill Adults Using Either the Confusion Assessment Method-ICU or the Intensive Care Delirium Screening Checklist for Delirium Assessment. <i>Critical Care Medicine</i> , <b>2019</b> , 47, e827-e835	1.4	14
343	Prophylactic Haloperidol Effects on Long-term Quality of Life in Critically Ill Patients at High Risk for Delirium: Results of the REDUCE Study. <i>Anesthesiology</i> , <b>2019</b> , 131, 328-335	4.3	4
342	An add-on training program involving breathing exercises, cold exposure, and meditation attenuates inflammation and disease activity in axial spondyloarthritis - A proof of concept trial. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225749	3.7	7
341	Sustainability of clinical pathway guided care in cardiac surgery ICU patients; 9-years experience in over 7500 patients. <i>International Journal for Quality in Health Care</i> , <b>2019</b> , 31, 456-463	1.9	
340	The influence of hypoxia on platelet function and plasmatic coagulation during systemic inflammation in humans. <i>Platelets</i> , <b>2019</b> , 30, 927-930	3.6	4
339	Adrenomedullin in heart failure: pathophysiology and therapeutic application. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 163-171	12.3	69



338	New frontiers in precision medicine for sepsis-induced immunoparalysis. <i>Expert Review of Clinical Immunology</i> , <b>2019</b> , 15, 251-263	5.1	13
337	The Itaconate Pathway Is a Central Regulatory Node Linking Innate Immune Tolerance and Trained Immunity. <i>Cell Metabolism</i> , <b>2019</b> , 29, 211-220.e5	24.6	141
336	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> , <b>2018</b> , 319, 680-690	27.4	147
335	Feasibility of Cognitive Training in Critically Ill Patients: A Pilot Study. <i>American Journal of Critical Care</i> , <b>2018</b> , 27, 124-135	1.7	5
334	Adjunctive Immunotherapy <b>2018</b> , 201-214		
333	Microbiological and immunological characteristics of a lethal pulmonary infection in a non-neutropenic patient. <i>Medical Mycology Case Reports</i> , <b>2018</b> , 21, 4-7	1.7	3
332	Systemic Inflammation and Cerebral Dysfunction. <i>Annual Update in Intensive Care and Emergency Medicine</i> , <b>2018</b> , 487-501	0.2	
331	Comparison of European ICU patients in 2012 (ICON) versus 2002 (SOAP). <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 337-344	14.5	71
330	Rationale and Design of an Adaptive Phase 2b/3 Clinical Trial of Selepressin for Adults in Septic Shock. Selepressin Evaluation Programme for Sepsis-induced Shock-Adaptive Clinical Trial. <i>Annals of the American Thoracic Society</i> , <b>2018</b> , 15, 250-257	4.7	24
329	Effects of the Humanized Anti-Adrenomedullin Antibody Adrecizumab (HAM8101) on Vascular Barrier Function and Survival in Rodent Models of Systemic Inflammation and Sepsis. <i>Shock</i> , <b>2018</b> , 50, 648-654	3.4	18
328	Vascular Effects of Adrenomedullin and the Anti-Adrenomedullin Antibody Adrecizumab in Sepsis. <i>Shock</i> , <b>2018</b> , 50, 132-140	3.4	34
327	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> , <b>2018</b> , 31, 180-187	2.9	28
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185	The authors reply. <i>Critical Care Medicine</i> , <b>2014</b> , 42, e81-2	1.4	
184	The authors reply. <i>Critical Care Medicine</i> , <b>2014</b> , 42, e254-5	1.4	
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182	The effect of iron loading and iron chelation on the innate immune response and subclinical organ injury during human endotoxemia: a randomized trial. <i>Haematologica</i> , <b>2014</b> , 99, 579-87	6.6	16
181	Body mass index is not associated with cytokine induction during experimental human endotoxemia. <i>Innate Immunity</i> , <b>2014</b> , 20, 61-7	2.7	10
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179	Dynamic preload indicators decrease when the abdomen is opened. <i>BMC Anesthesiology</i> , <b>2014</b> , 14, 90	2.4	6
178	Infections, antibiotic treatment and mortality in patients admitted to ICUs in countries considered to have high levels of antibiotic resistance compared to those with low levels. <i>BMC Infectious Diseases</i> , <b>2014</b> , 14, 513	4	12
177	A unified theory of sepsis-induced acute kidney injury: inflammation, microcirculatory dysfunction, bioenergetics, and the tubular cell adaptation to injury. <i>Shock</i> , <b>2014</b> , 41, 3-11	3.4	45 <sup>8</sup>

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175	The effects of orally administered Beta-glucan on innate immune responses in humans, a randomized open-label intervention pilot-study. <i>PLoS ONE</i> , <b>2014</b> , 9, e108794	3.7	34
174	The potential of alkaline phosphatase as a treatment for sepsis-associated acute kidney injury. <i>Nephron Clinical Practice</i> , <b>2014</b> , 127, 144-8		24
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165	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> , <b>2013</b> , 187, 1287-93	10.2	173
164	The crystal structure of lipopolysaccharide binding protein reveals the location of a frequent mutation that impairs innate immunity. <i>Immunity</i> , <b>2013</b> , 39, 647-60	32.3	71
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159	Vitamin D status is not associated with inflammatory cytokine levels during experimental human endotoxaemia. <i>Clinical and Experimental Immunology</i> , <b>2013</b> , 171, 231-6	6.2	8

158	The effects of the anti-hepcidin Spiegelmer NOX-H94 on inflammation-induced anemia in cynomolgus monkeys. <i>Blood</i> , <b>2013</b> , 121, 2311-5	2.2	117
157	Haloperidol prophylaxis in critically ill patients with a high risk for delirium. <i>Critical Care</i> , <b>2013</b> , 17, R9	10.8	96
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35	Acetazolamide-mediated decrease in strong ion difference accounts for the correction of metabolic alkalosis in critically ill patients. <i>Critical Care</i> , <b>2006</b> , 10, R14	10.8	46
34	The effect of adenosine receptor agonists on cytokine release by human mononuclear cells depends on the specific Toll-like receptor subtype used for stimulation. <i>Cytokine</i> , <b>2006</b> , 35, 95-9	4	18
33	Role of potassium channel blockade in the treatment of sepsis-induced vascular hyporeactivity. <i>Critical Care Medicine</i> , <b>2006</b> , 34, 2867-8; author reply 2868-9	1.4	

32	Protective effects of adenosine A2A agonist during hemorrhagic shock: a simple intervention may result in a complex response. <i>Critical Care Medicine</i> , <b>2006</b> , 34, 3059; author reply 3059-60	1.4	
31	Plasma obtained during human endotoxemia increases endothelial albumin permeability in vitro. <i>Shock</i> , <b>2006</b> , 25, 358-62	3.4	16
30	Microvascular permeability during experimental human endotoxemia: an open intervention study. <i>Critical Care</i> , <b>2005</b> , 9, R157-64	10.8	24
29	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> , <b>2005</b> , 9, R790-7	10.8	33
28	Time-course analysis of hepcidin, serum iron, and plasma cytokine levels in humans injected with LPS. <i>Blood</i> , <b>2005</b> , 106, 1864-6	2.2	395
27	Vascular endothelial growth factor is increased during the first 48 hours of human septic shock and correlates with vascular permeability. <i>Shock</i> , <b>2005</b> , 24, 508-12	3.4	108
26	Small increases in the urinary excretion of glutathione S-transferase A1 and P1 after cardiac surgery are not associated with clinically relevant renal injury. <i>Intensive Care Medicine</i> , <b>2005</b> , 31, 664-7	14.5	29
25	Iso-osmolar prehydration shifts the cytokine response towards a more anti-inflammatory balance in human endotoxemia. <i>Journal of Endotoxin Research</i> , <b>2005</b> , 11, 287-93		46
24	IFN-gamma is not induced through increased plasma concentrations of interleukin-12/interleukin-18 during human endotoxemia. <i>European Cytokine Network</i> , <b>2005</b> , 16, 191-3	3.3	5
23	Activation of the ATP-dependent potassium channel attenuates norepinephrine-induced vasoconstriction in the human forearm. <i>Shock</i> , <b>2004</b> , 22, 320-5	3.4	8
22	Severe vagal response after endotoxin administration in humans. <i>Intensive Care Medicine</i> , <b>2004</b> , 30, 2279-81	11.5	20
21	Emphysema and pneumothorax after percutaneous tracheostomy: case reports and an anatomic study. <i>Chest</i> , <b>2004</b> , 125, 1805-14	5.3	88
20	Hypothesis: Normalisation of cytokine dysbalance explains the favourable effects of strict glucose regulation in the critically ill. <i>Netherlands Journal of Medicine</i> , <b>2004</b> , 62, 143-50	0.5	9
19	Only weak vasorelaxant properties of loop diuretics in isolated resistance arteries from man, rat and guinea pig. <i>European Journal of Pharmacology</i> , <b>2003</b> , 466, 281-7	5.3	9
18	Calcitonin gene-related peptide: exploring its vasodilating mechanism of action in humans. <i>Clinical Pharmacology and Therapeutics</i> , <b>2003</b> , 73, 312-21	6.1	45
17	Vascular effects of glibenclamide vs. glimepiride and metformin in Type 2 diabetic patients. <i>Diabetic Medicine</i> , <b>2002</b> , 19, 136-43	3.5	23
16	Vascular KATP channel blockade by glibenclamide, but not by acarbose, in patients with Type II diabetes. <i>Clinical Science</i> , <b>2002</b> , 102, 307	6.5	2
15	TNFalpha and IL-1beta exert no direct vasoactivity in human isolated resistance arteries. <i>Cytokine</i> , <b>2002</b> , 20, 244-6	4	6



14	In vivo evidence for K(Ca) channel opening properties of acetazolamide in the human vasculature. <i>British Journal of Pharmacology</i> , <b>2001</b> , 132, 443-50	8.6	64
13	Inhibition of carbonic anhydrase accounts for the direct vascular effects of hydrochlorothiazide. <i>Hypertension</i> , <b>1999</b> , 33, 1043-8	8.5	110
12	Presence and mechanism of direct vascular effects of amiloride in humans. <i>Journal of Cardiovascular Pharmacology</i> , <b>1999</b> , 34, 388-93	3.1	9
11	Thiazide-induced vasodilation in humans is mediated by potassium channel activation. <i>Hypertension</i> , <b>1998</b> , 32, 1071-6	8.5	92
10	Direct vascular effects of furosemide in humans. <i>Circulation</i> , <b>1997</b> , 96, 1847-52	16.7	79
9	Direct vasoactivity of frusemide. <i>Lancet, The</i> , <b>1996</b> , 347, 1338-9	4.0	9
8	Vascular effects of loop diuretics. <i>Cardiovascular Research</i> , <b>1996</b> , 32, 988-97	9.9	49
7	Thiazide-induced hyperglycaemia: a role for calcium-activated potassium channels?. <i>Diabetologia</i> , <b>1996</b> , 39, 861-4	10.3	6
6	Relaxation and decrease in $[Ca^{2+}]_i$ by hydrochlorothiazide in guinea-pig isolated mesenteric arteries. <i>British Journal of Pharmacology</i> , <b>1995</b> , 114, 703-7	8.6	26
5	Hydrochlorothiazide exerts no direct vasoactivity in the human forearm. <i>Journal of Hypertension</i> , <b>1995</b> , 13, 1833-6	1.9	5
4	Do KCa channels and carbonic anhydrase play a role in thiazide-induced hyperglycaemia?. <i>Journal of Human Hypertension</i> , <b>1995</b> , 9, 691-3	2.6	1
3	Hydrochlorothiazide exerts no direct vasoactivity in the human forearm. <i>Journal of Hypertension</i> , <b>1995</b> , 13, 1833-6	1.9	2
2	Swarm Learning as a privacy-preserving machine learning approach for disease classification		3
1	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients		7