

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

1,210  
citations

16  
h-index

34  
g-index

38  
ext. papers

1,375  
ext. citations

4.1  
avg. IF

3.5  
L-index

#	Paper	IF	Citations
38	Detection of local lung air content by electrical impedance tomography compared with electron beam CT. <i>Journal of Applied Physiology</i> , <b>2002</b> , 93, 660-6	3.7	259
37	Spontaneous breathing affects the spatial ventilation and perfusion distribution during mechanical ventilatory support. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 1090-5	1.4	149
36	Regional ventilation by electrical impedance tomography: a comparison with ventilation scintigraphy in pigs. <i>Chest</i> , <b>2003</b> , 124, 314-22	5.3	142
35	Regional lung perfusion as determined by electrical impedance tomography in comparison with electron beam CT imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2002</b> , 21, 646-52	11.7	128
34	Gravity effects on regional lung ventilation determined by functional EIT during parabolic flights. <i>Journal of Applied Physiology</i> , <b>2001</b> , 91, 39-50	3.7	80
33	Distribution of lung ventilation in spontaneously breathing neonates lying in different body positions. <i>Intensive Care Medicine</i> , <b>2003</b> , 29, 787-94	14.5	67
32	Impact of statin therapy on mortality in patients with sepsis-associated acute respiratory distress syndrome (ARDS) depends on ARDS severity: a prospective observational cohort study. <i>BMC Medicine</i> , <b>2015</b> , 13, 128	11.4	48
31	AMPK - Activated Protein Kinase and its Role in Energy Metabolism of the Heart. <i>Current Cardiology Reviews</i> , <b>2010</b> , 6, 337-42	2.4	36
30	Effects of Workflow Optimization in Endovascularly Treated Stroke Patients - A Pre-Post Effectiveness Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0169192	3.7	31
29	The regulatory toll-like receptor 4 genetic polymorphism rs11536889 is associated with renal, coagulation and hepatic organ failure in sepsis patients. <i>Journal of Translational Medicine</i> , <b>2014</b> , 12, 177	8.5	23
28	Chronic kidney disease is associated with a higher 90-day mortality than other chronic medical conditions in patients with sepsis. <i>Scientific Reports</i> , <b>2015</b> , 5, 10539	4.9	23
27	Relation between renal dysfunction requiring renal replacement therapy and promoter polymorphism of the erythropoietin gene in cardiac surgery. <i>Artificial Organs</i> , <b>2010</b> , 34, 961-8	2.6	21
26	Primary bacteraemia is associated with a higher mortality risk compared with pulmonary and intra-abdominal infections in patients with sepsis: a prospective observational cohort study. <i>BMJ Open</i> , <b>2015</b> , 5, e006616	3	19
25	Ninety-day survival rate of patients with sepsis relates to programmed cell death 1 genetic polymorphism rs11568821. <i>Journal of Investigative Medicine</i> , <b>2014</b> , 62, 638-43	2.9	18
24	The eNOS 786C/T polymorphism in cardiac surgical patients with cardiopulmonary bypass is associated with renal dysfunction. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2009</b> , 36, 651-6	3	18
23	The CD14 rs2569190 TT Genotype Is Associated with an Improved 30-Day Survival in Patients with Sepsis: A Prospective Observational Cohort Study. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127761	3.7	16
22	Hemodynamic changes in a model of chronic heart failure induced by multiple sequential coronary microembolization in sheep. <i>Artificial Organs</i> , <b>2009</b> , 33, 947-52	2.6	15

21	Prehospital ultrasound-guided nerve blocks improve reduction-feasibility of dislocated extremity injuries compared to systemic analgesia. A randomized controlled trial. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199776	3.7	15
20	The FER rs4957796 TT genotype is associated with unfavorable 90-day survival in Caucasian patients with severe ARDS due to pneumonia. <i>Scientific Reports</i> , <b>2017</b> , 7, 9887	4.9	11
19	Pre-hospital transthoracic echocardiography for early identification of non-ST-elevation myocardial infarction in patients with acute coronary syndrome. <i>Critical Care</i> , <b>2018</b> , 22, 29	10.8	10
18	Effect of lower body negative pressure and gravity on regional lung ventilation determined by EIT. <i>Physiological Measurement</i> , <b>2005</b> , 26, S27-37	2.9	10
17	CTLA-4 Genetic Variants Predict Survival in Patients with Sepsis. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	9
16	Optimized Management of Endovascular Treatment for Acute Ischemic Stroke. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	8
15	Reduced sevoflurane loss during cardiopulmonary bypass when using a polymethylpentane versus a polypropylene oxygenator. <i>International Journal of Artificial Organs</i> , <b>2013</b> , 36, 233-9	1.9	8
14	The CTLA-4 rs231775 GG genotype is associated with favorable 90-day survival in Caucasian patients with sepsis. <i>Scientific Reports</i> , <b>2018</b> , 8, 15140	4.9	8
13	Cost analysis of two anaesthetic machines: "Primus" and "Zeus". <i>BMC Research Notes</i> , <b>2012</b> , 5, 3	2.3	7
12	The role of phospho-adenosine monophosphate-activated protein kinase and vascular endothelial growth factor in a model of chronic heart failure. <i>Artificial Organs</i> , <b>2010</b> , 34, 969-79	2.6	6
11	Favorable 90-Day Mortality in Obese Caucasian Patients with Septic Shock According to the Sepsis-3 Definition. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 9,	5.1	5
10	Combination of general anesthesia and peripheral nerve block with low-dose ropivacaine reduces postoperative pain for several days after outpatient arthroscopy: A randomized controlled clinical trial. <i>Medicine (United States)</i> , <b>2017</b> , 96, e6046	1.8	4
9	Anaemia requiring red blood cell transfusion is associated with unfavourable 90-day survival in surgical patients with sepsis. <i>BMC Research Notes</i> , <b>2018</b> , 11, 879	2.3	4
8	Gene Expression-Based Diagnosis of Infections in Critically Ill Patients-Prospective Validation of the SepsisMetaScore in a Longitudinal Severe Trauma Cohort. <i>Critical Care Medicine</i> , <b>2021</b> , 49, e751-e760	1.4	3
7	Lack of an Association between the Functional Polymorphism TREM-1 rs2234237 and the Clinical Course of Sepsis among Critically Ill Caucasian Patients-A Monocentric Prospective Genetic Association Study. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	2
6	Genetic Polymorphisms in Endothelin-1 as Predictors for Long-Term Survival and the Cardiac Index in Patients Undergoing On-Pump Cardiac Surgery. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131155	3.7	2
5	TIM-3 Genetic Variants Are Associated with Altered Clinical Outcome and Susceptibility to Gram-Positive Infections in Patients with Sepsis. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
4	The eNOS 894G/T gene polymorphism and its influence on early and long-term mortality after on-pump cardiac surgery. <i>Journal of Cardiothoracic Surgery</i> , <b>2013</b> , 8, 199	1.6	1

3	Electrical Impedance Tomography. <i>Current Respiratory Medicine Reviews</i> , <b>2009</b> , 5, 105-109	0.3	1
2	Effect of the Lymphocyte Activation Gene 3 Polymorphism rs951818 on Mortality and Disease Progression in Patients with Sepsis-A Prospective Genetic Association Study. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	1
1	Hemodynamic effects of peri-operative statin therapy in on-pump cardiac surgery patients. <i>Journal of Cardiothoracic Surgery</i> , <b>2012</b> , 7, 39	1.6	0