

Kai D Zacharowski

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.

222
papers

5,952
citations

35
h-index

73
g-index

274
ext. papers

7,650
ext. citations

4.9
avg, IF

5.59
L-index

#	Paper	IF	Citations
222	Discovery and validation of cell cycle arrest biomarkers in human acute kidney injury. <i>Critical Care</i> , 2013 , 17, R25	10.8	718
221	Point-of-care testing: a prospective, randomized clinical trial of efficacy in coagulopathic cardiac surgery patients. <i>Anesthesiology</i> , 2012 , 117, 531-47	4.3	458
220	Management of severe perioperative bleeding: guidelines from the European Society of Anaesthesiology: First update 2016. <i>European Journal of Anaesthesiology</i> , 2017 , 34, 332-395	2.3	416
219	A Multicenter Trial of Remote Ischemic Preconditioning for Heart Surgery. <i>New England Journal of Medicine</i> , 2015 , 373, 1397-407	59.2	404
218	The fibrin-derived peptide Bbeta15-42 protects the myocardium against ischemia-reperfusion injury. <i>Nature Medicine</i> , 2005 , 11, 298-304	50.5	188
217	Novel aspects of fibrin(ogen) fragments during inflammation. <i>Molecular Medicine</i> , 2011 , 17, 568-73	6.2	151
216	Severe Ebola virus disease with vascular leakage and multiorgan failure: treatment of a patient in intensive care. <i>Lancet, The</i> , 2015 , 385, 1428-35	40	147
215	Biomarkers of endothelial dysfunction: can they help us deciphering systemic inflammation and sepsis?. <i>Biomarkers</i> , 2011 , 16 Suppl 1, S11-21	2.6	127
214	Toll-like receptor 4 plays a crucial role in the immune-adrenal response to systemic inflammatory response syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6392-7	11.5	118
213	Patient Blood Management Bundles to Facilitate Implementation. <i>Transfusion Medicine Reviews</i> , 2017 , 31, 62-71	7.4	117
212	Neutrophil transfer of to lung epithelial cells dampens acute lung injury in mice. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	117
211	Peroxisome proliferator-activated receptor β induced T cell apoptosis reduces survival during polymicrobial sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 64-74	10.2	108
210	Patient Blood Management is Associated With a Substantial Reduction of Red Blood Cell Utilization and Safe for Patient's Outcome: A Prospective, Multicenter Cohort Study With a Noninferiority Design. <i>Annals of Surgery</i> , 2016 , 264, 203-11	7.8	99
209	Multimodal Patient Blood Management Program Based on a Three-pillar Strategy: A Systematic Review and Meta-analysis. <i>Annals of Surgery</i> , 2019 , 269, 794-804	7.8	94
208	The fibrin-derived peptide Bbeta15-42 is cardioprotective in a pig model of myocardial ischemia-reperfusion injury. <i>Critical Care Medicine</i> , 2007 , 35, 1730-5	1.4	83
207	Remote ischemic preconditioning regulates HIF-1 β levels, apoptosis and inflammation in heart tissue of cardiac surgical patients: a pilot experimental study. <i>Basic Research in Cardiology</i> , 2013 , 108, 314	11.8	81
206	Tranexamic acid partially improves platelet function in patients treated with dual antiplatelet therapy. <i>European Journal of Anaesthesiology</i> , 2011 , 28, 57-62	2.3	73

205	Lipoteichoic acid induces delayed protection in the rat heart: A comparison with endotoxin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 1521-8	9.4	71
204	Preconditioning by toll-like receptor 2 agonist Pam3CSK4 reduces CXCL1-dependent leukocyte recruitment in murine myocardial ischemia/reperfusion injury. <i>Critical Care Medicine</i> , 2010 , 38, 903-9	1.4	70
203	The role of adrenal gland microenvironment in the HPA axis function and dysfunction during sepsis. <i>Molecular and Cellular Endocrinology</i> , 2015 , 408, 241-8	4.4	63
202	Efficacy and safety of trimodulin, a novel polyclonal antibody preparation, in patients with severe community-acquired pneumonia: a randomized, placebo-controlled, double-blind, multicenter, phase II trial (CIGMA study). <i>Intensive Care Medicine</i> , 2018 , 44, 438-448	14.5	62
201	Peptide Bbeta(15-42) preserves endothelial barrier function in shock. <i>PLoS ONE</i> , 2009 , 4, e5391	3.7	61
200	Bbeta15-42 (FX06) reduces pulmonary, myocardial, liver, and small intestine damage in a pig model of hemorrhagic shock and reperfusion. <i>Critical Care Medicine</i> , 2009 , 37, 598-605	1.4	60
199	Hypothalamo-pituitary and immune-dependent adrenal regulation during systemic inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 14801-6	11.5	57
198	Re-evaluating currently available data and suggestions for planning randomised controlled studies regarding the use of hydroxyethyl starch in critically ill patients - a multidisciplinary statement. <i>Critical Care</i> , 2013 , 17, R166	10.8	57
197	Postoperative neurocognitive dysfunction in patients undergoing cardiac surgery after remote ischemic preconditioning: a double-blind randomized controlled pilot study. <i>PLoS ONE</i> , 2013 , 8, e64743	3.7	57
196	Intravascular volume therapy in adults: Guidelines from the Association of the Scientific Medical Societies in Germany. <i>European Journal of Anaesthesiology</i> , 2016 , 33, 488-521	2.3	53
195	Point-of-care coagulation management in intensive care medicine. <i>Critical Care</i> , 2013 , 17, 218	10.8	49
194	Shockwave therapy differentially stimulates endothelial cells: implications on the control of inflammation via toll-Like receptor 3. <i>Inflammation</i> , 2014 , 37, 65-70	5.1	48
193	Identification and validation of biomarkers of persistent acute kidney injury: the RUBY study. <i>Intensive Care Medicine</i> , 2020 , 46, 943-953	14.5	47
192	Fibrin(ogen) and its fragments in the pathophysiology and treatment of myocardial infarction. <i>Journal of Molecular Medicine</i> , 2006 , 84, 469-77	5.5	47
191	Washed cell salvage in surgical patients: A review and meta-analysis of prospective randomized trials under PRISMA. <i>Medicine (United States)</i> , 2016 , 95, e4490	1.8	44
190	Toll-like receptor 3 signalling mediates angiogenic response upon shock wave treatment of ischaemic muscle. <i>Cardiovascular Research</i> , 2016 , 109, 331-43	9.9	42
189	"Simplified International Recommendations for the Implementation of Patient Blood Management" (SIR4PBM). <i>Perioperative Medicine (London, England)</i> , 2017 , 6, 5	2.8	38
188	Complications associated with the prehospital use of laryngeal tubes--a systematic analysis of risk factors and strategies for prevention. <i>Resuscitation</i> , 2014 , 85, 1629-32	4	37

187	Microparticles from stored red blood cells enhance procoagulant and proinflammatory activity. <i>Transfusion</i> , 2017 , 57, 2701-2711	2.9	35
186	Remote ischaemic preconditioning for heart surgery. The study design for a multi-center randomized double-blinded controlled clinical trial--the RIPHeart-Study. <i>European Heart Journal</i> , 2012 , 33, 1423-6	9.5	35
185	Thrombelastography for the monitoring of lipopolysaccharide induced activation of coagulation. <i>Thrombosis and Haemostasis</i> , 2006 , 95, 557-61	7	32
184	Perioperative coagulation management during cardiac surgery. <i>Current Opinion in Anaesthesiology</i> , 2013 , 26, 60-4	2.9	31
183	Rosiglitazone is cardioprotective in a murine model of myocardial I/R. <i>Shock</i> , 2008 , 30, 64-8	3.4	31
182	Endotoxin induces a second window of protection in the rat heart as determined by using p-nitro-blue tetrazolium staining, cardiac troponin T release, and histology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 2276-80	9.4	30
181	Contribution of Ninjurin1 to Toll-like receptor 4 signaling and systemic inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 53, 656-63	5.7	29
180	Determination of organ-specific anemia tolerance. <i>Critical Care Medicine</i> , 2013 , 41, 1037-45	1.4	29
179	Peroxisome proliferator-activated receptor gamma contributes to T lymphocyte apoptosis during sepsis. <i>Journal of Leukocyte Biology</i> , 2006 , 79, 235-43	6.5	29
178	Association of Intravenous Tranexamic Acid With Thromboembolic Events and Mortality: A Systematic Review, Meta-analysis, and Meta-regression. <i>JAMA Surgery</i> , 2021 , e210884	5.4	29
177	Effect of Xenon Anesthesia Compared to Sevoflurane and Total Intravenous Anesthesia for Coronary Artery Bypass Graft Surgery on Postoperative Cardiac Troponin Release: An International, Multicenter, Phase 3, Single-blinded, Randomized Noninferiority Trial. <i>Anesthesiology</i> , 2017 , 127, 918-933	4.3	27
176	Left ventricular dilation in toll-like receptor 2 deficient mice after myocardial ischemia/reperfusion through defective scar formation. <i>Basic Research in Cardiology</i> , 2011 , 106, 89-98	11.8	27
175	The effects of the fibrin-derived peptide Bbeta(15-42) in acute and chronic rodent models of myocardial ischemia-reperfusion. <i>Shock</i> , 2007 , 27, 631-7	3.4	27
174	Characterization of the LPS-induced inflammation of the adrenal gland in mice. <i>Molecular and Cellular Endocrinology</i> , 2013 , 371, 228-35	4.4	26
173	Patient Blood Management: Effectiveness and Future Potential. <i>Anesthesiology</i> , 2020 , 133, 212-222	4.3	26
172	Patient blood management implementation strategies and their effect on physicians' risk perception, clinical knowledge and perioperative practice - the frankfurt experience. <i>Transfusion Medicine and Hemotherapy</i> , 2015 , 42, 91-7	4.2	25
171	In vivo electrophysiological characterization of TASK-1 deficient mice. <i>Cellular Physiology and Biochemistry</i> , 2012 , 30, 523-37	3.9	25
170	The early activation of toll-like receptor (TLR)-3 initiates kidney injury after ischemia and reperfusion. <i>PLoS ONE</i> , 2014 , 9, e94366	3.7	24

169	Toll-like receptor 2 signaling triggers fatal arrhythmias upon myocardial ischemia-reperfusion. <i>Critical Care Medicine</i> , 2010 , 38, 1927-32	1.4	23
168	Savoring every drop - vampire or mosquito?. <i>Critical Care</i> , 2014 , 18, 306	10.8	22
167	Systemic endotoxin activity correlates with clot formation: an observational study in patients with early systemic inflammation and sepsis. <i>Critical Care</i> , 2013 , 17, R198	10.8	22
166	Aprotinin may increase mortality in low and intermediate risk but not in high risk cardiac surgical patients compared to tranexamic acid and Epsilon-aminocaproic acid -- a meta-analysis of randomised and observational trials of over 30.000 patients. <i>PLoS ONE</i> , 2013 , 8, e58009	3.7	22
165	Improve hip fracture outcome in the elderly patient (iHOPE): a study protocol for a pragmatic, multicentre randomised controlled trial to test the efficacy of spinal versus general anaesthesia. <i>BMJ Open</i> , 2018 , 8, e023609	3	22
164	Sphingosine-1-phosphate (S1P) induces potent anti-inflammatory effects in vitro and in vivo by S1P receptor 4-mediated suppression of 5-lipoxygenase activity. <i>FASEB Journal</i> , 2019 , 33, 1711-1726	0.9	20
163	Histone Deacetylation Inhibitors as Modulators of Regulatory T Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	19
162	Patient Blood Management improves outcome in oncologic surgery. <i>World Journal of Surgical Oncology</i> , 2018 , 16, 159	3.4	19
161	Attenuation of myocardial injury by HMGB1 blockade during ischemia/reperfusion is toll-like receptor 2-dependent. <i>Mediators of Inflammation</i> , 2013 , 2013, 174168	4.3	19
160	A comprehensive assessment of the coagulation profile in critically ill COVID-19 patients. <i>Thrombosis Research</i> , 2020 , 194, 42-44	8.2	18
159	Patient blood management equals patient safety. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2016 , 30, 159-69	4	18
158	Deguelin attenuates reperfusion injury and improves outcome after orthotopic lung transplantation in the rat. <i>PLoS ONE</i> , 2012 , 7, e39265	3.7	17
157	RIPHeart (Remote Ischemic Preconditioning for Heart Surgery) Study: Myocardial Dysfunction, Postoperative Neurocognitive Dysfunction, and 1Year Follow-Up. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	16
156	IgM-Enriched Immunoglobulin Attenuates Systemic Endotoxin Activity in Early Severe Sepsis: A Before-After Cohort Study. <i>PLoS ONE</i> , 2016 , 11, e0160907	3.7	16
155	A model-based cost-effectiveness analysis of Patient Blood Management. <i>Blood Transfusion</i> , 2019 , 17, 16-26	3.6	16
154	Ten years of the Helsinki Declaration on patient safety in anaesthesiology: An expert opinion on peri-operative safety aspects. <i>European Journal of Anaesthesiology</i> , 2020 , 37, 521-610	2.3	15
153	Perioperative Anemia Management as Part of PBM in Cardiac Surgery - A Narrative Updated Review. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020 , 34, 1060-1073	2.1	15
152	Remote Ischemic Preconditioning and Cardiac Surgery. <i>New England Journal of Medicine</i> , 2016 , 374, 491-492	59.2	14

151	Effectiveness of Preoperative Iron Supplementation in Major Surgical Patients With Iron Deficiency: A Prospective Observational Study. <i>Annals of Surgery</i> , 2021 , 274, e212-e219	7.8	14
150	Comparison of common perioperative blood loss estimation techniques: a systematic review and meta-analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 245-258	2	14
149	Profiling of cell stress protein expression in cardiac tissue of cardiothoracic patients undergoing remote ischemic preconditioning: implications for thioredoxin in cardioprotection. <i>Journal of Translational Medicine</i> , 2015 , 13, 34	8.5	13
148	Mortality of Septic Mice Strongly Correlates With Adrenal Gland Inflammation. <i>Critical Care Medicine</i> , 2016 , 44, e190-9	1.4	13
147	Rapid sequence induction: An international survey. <i>European Journal of Anaesthesiology</i> , 2020 , 37, 435-442	4.2	13
146	Activities of cardiac tissue matrix metalloproteinases 2 and 9 are reduced by remote ischemic preconditioning in cardiothoracic patients with cardiopulmonary bypass. <i>Journal of Translational Medicine</i> , 2014 , 12, 94	8.5	13
145	Strategies to reduce blood product utilization in obstetric practice. <i>Current Opinion in Anaesthesiology</i> , 2017 , 30, 294-299	2.9	12
144	Liberal transfusion strategy to prevent mortality and anaemia-associated, ischaemic events in elderly non-cardiac surgical patients - the study design of the LIBERAL-Trial. <i>Trials</i> , 2019 , 20, 101	2.8	12
143	A radiographic comparison of human airway anatomy and airway manikins--Implications for manikin-based testing of artificial airways. <i>Resuscitation</i> , 2015 , 92, 129-36	4	12
142	Safety and effectiveness of a Patient Blood Management (PBM) program in surgical patients--the study design for a multi-centre prospective epidemiologic non-inferiority trial. <i>BMC Health Services Research</i> , 2014 , 14, 576	2.9	12
141	Remote Ischemic Preconditioning Does Not Affect the Release of Humoral Factors in Propofol-Anesthetized Cardiac Surgery Patients: A Secondary Analysis of the RIPHeart Study. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	11
140	Anti-inflammatory nitro-fatty acids suppress tumor growth by triggering mitochondrial dysfunction and activation of the intrinsic apoptotic pathway in colorectal cancer cells. <i>Biochemical Pharmacology</i> , 2018 , 155, 48-60	6	11
139	The fibrinopeptide b15-42 reduces inflammation in mice subjected to polymicrobial sepsis. <i>Shock</i> , 2012 , 38, 275-80	3.4	11
138	Association between convalescent plasma treatment and mortality in COVID-19: a collaborative systematic review and meta-analysis of randomized clinical trials. <i>BMC Infectious Diseases</i> , 2021 , 21, 11704	4.1	11
137	Programmes for the management of preoperative anaemia: audit in ten European hospitals within the PaBloE (Patient Blood Management in Europe) Working Group. <i>Vox Sanguinis</i> , 2020 , 115, 182-191	3.1	11
136	Characterization of neonates born to mothers with SARS-CoV-2 infection: Review and meta-analysis. <i>Pediatrics and Neonatology</i> , 2021 , 62, 11-20	1.8	11
135	Genome-wide association study of myocardial infarction, atrial fibrillation, acute stroke, acute kidney injury and delirium after cardiac surgery - a sub-analysis of the RIPHeart-Study. <i>BMC Cardiovascular Disorders</i> , 2019 , 19, 26	2.3	10
134	Prospective Trial to Compare Direct and Indirect Laryngoscopy Using C-MAC PM with Macintosh Blade and D-Blade in a Simulated Difficult Airway. <i>Emergency Medicine International</i> , 2019 , 2019, 1067473	1.4	10

133	Volatile Isoflurane in Critically Ill Coronavirus Disease 2019 Patients-A Case Series and Systematic Review 2020 , 2, e0256		10
132	Quality of inter-hospital transportation in 431 transport survivor patients suffering from acute respiratory distress syndrome referred to specialist centers. <i>Annals of Intensive Care</i> , 2018 , 8, 5	8.9	10
131	What's new in volume therapy in the intensive care unit?. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2014 , 28, 275-83	4	10
130	The small fibrinopeptide B β 5-42 as renoprotective agent preserving the endothelial and vascular integrity in early ischemia reperfusion injury in the mouse kidney. <i>PLoS ONE</i> , 2014 , 9, e84432	3.7	10
129	Akt or phosphoinositide-3-kinase inhibition reverses cardio-protection in Toll-like receptor 2 deficient mice. <i>Resuscitation</i> , 2012 , 83, 1404-10	4	10
128	Health economics of Patient Blood Management: a cost-benefit analysis based on a meta-analysis. <i>Vox Sanguinis</i> , 2020 , 115, 182-188	3.1	10
127	The Emerging Therapeutic Potential of Nitro Fatty Acids and Other Michael Acceptor-Containing Drugs for the Treatment of Inflammation and Cancer. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1297	5.6	10
126	Red blood cell transfusion and its alternatives in oncologic surgery-A critical evaluation. <i>Critical Reviews in Oncology/Hematology</i> , 2019 , 134, 1-9	7	10
125	Insight into ECMO, mortality and ARDS: a nationwide analysis of 45,647 ECMO runs. <i>Critical Care</i> , 2021 , 25, 38	10.8	10
124	A special article following the relicence of aprotinin injection in Europe. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2017 , 36, 97-102	3	9
123	Impact of Intraoperative Cell Salvage on Blood Coagulation Factor Concentrations in Patients Undergoing Cardiac Surgery. <i>Anesthesia and Analgesia</i> , 2020 , 130, 1389-1395	3.9	9
122	Genetic variation of TLR4 influences immunoendocrine stress response: an observational study in cardiac surgical patients. <i>Critical Care</i> , 2011 , 15, R109	10.8	9
121	Hemotherapy algorithms for coagulopathic cardiac surgery patients. <i>Clinical Laboratory</i> , 2014 , 60, 1059-63		9
120	Coagulation management in trauma-associated coagulopathy: allogenic blood products versus coagulation factor concentrates in trauma care. <i>Current Opinion in Anaesthesiology</i> , 2016 , 29, 245-9	2.9	9
119	Personalized medicine with IgGAM compared with standard of care for treatment of peritonitis after infectious source control (the PEPPER trial): study protocol for a randomized controlled trial. <i>Trials</i> , 2019 , 20, 156	2.8	8
118	Estimating the Epidemiological and Economic Impact of Implementing Preoperative Anaemia Measures in the German Healthcare System: The Health Economic Footprint of Patient Blood Management. <i>Advances in Therapy</i> , 2020 , 37, 3515-3536	4.1	8
117	The Fibrin-Derived Peptide B β 5-42 (FX06) Ameliorates Vascular Leakage and Improves Survival and Neurocognitive Recovery: Implications From Two Animal Models of Cardiopulmonary Resuscitation. <i>Critical Care Medicine</i> , 2016 , 44, e988-95	1.4	8
116	Cecum ligation and dissection: a novel modified mouse sepsis model. <i>Journal of Surgical Research</i> , 2013 , 183, 321-9	2.5	8

115	Apoptotic Diminution of Immature Single and Double Positive Thymocyte Subpopulations Contributes to Thymus Involution During Murine Polymicrobial Sepsis. <i>Shock</i> , 2017 , 48, 215-226	3.4	8
114	Management of infections in critically ill returning travellers in the intensive care unit-II: clinical syndromes and special considerations in immunocompromised patients. <i>International Journal of Infectious Diseases</i> , 2016 , 48, 104-12	10.5	8
113	Combined peri-ischemic administration of B15-42 in treating ischemia reperfusion injury of the mouse kidney. <i>Microvascular Research</i> , 2015 , 101, 48-54	3.7	7
112	Cholinesterase alterations in delirium after cardiosurgery: a German monocentric prospective study. <i>BMJ Open</i> , 2020 , 10, e031212	3	7
111	Aerosol Exposure During Surgical Tracheotomy in SARS-CoV-2 Positive Patients. <i>Shock</i> , 2021 , 55, 472-478	3.4	7
110	Screening for iron deficiency in surgical patients based on noninvasive zinc protoporphyrin measurements. <i>Transfusion</i> , 2020 , 60, 62-72	2.9	7
109	COVID-19 Induced Acute Respiratory Distress Syndrome-A Multicenter Observational Study. <i>Frontiers in Medicine</i> , 2020 , 7, 599533	4.9	7
108	Improving outcome of trauma patients by implementing patient blood management. <i>Current Opinion in Anaesthesiology</i> , 2017 , 30, 243-249	2.9	6
107	Comments on Reinhart et al.: consensus statement of the ESICM task force on colloid volume therapy in critically ill patients. <i>Intensive Care Medicine</i> , 2012 , 38, 1556-7; author reply 1558-9	14.5	6
106	Systemic TLR2 Antibody Application in Renal Ischaemia and Reperfusion Injury Decreases AKT Phosphorylation and Increases Apoptosis in the Mouse Kidney. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018 , 122, 223-232	3.1	5
105	Coronavirus Threatens Blood Supply: Patient Blood Management Now!. <i>Annals of Surgery</i> , 2020 , 272, e74	7.8	5
104	The () Promoter Polymorphisms (rs3063368, rs755622) Predict Acute Kidney Injury and Death after Cardiac Surgery. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5
103	Ppar Expression in T Cells as a Prognostic Marker of Sepsis. <i>Shock</i> , 2016 , 45, 591-7	3.4	5
102	In-line filtration of intravenous infusion may reduce organ dysfunction of adult critical patients. <i>Critical Care</i> , 2019 , 23, 373	10.8	5
101	Preoperative Anaemia in Primary Hip and Knee Arthroplasty. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2020 , 158, 194-200	1.1	5
100	Medical treatment of an Ebola-infected doctor--ethics over costs?. <i>Lancet, The</i> , 2015 , 385, 685	40	4
99	Management of Microbiological Samples in a Confirmed Case of Ebola Virus Disease: Constraints and Limitations. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 3396-400	9.7	4
98	Comparing Four Video Laryngoscopes and One Optical Laryngoscope with a Standard Macintosh Blade in a Simulated Trapped Car Accident Victim. <i>Emergency Medicine International</i> , 2019 , 2019, 96908394	1.4	4

97	Takotsubo Cardiomyopathy Triggered by Venous Air Embolism During Craniotomy in the Sitting Position. <i>World Neurosurgery</i> , 2017 , 107, 1045.e1-1045.e4	2.1	4
96	Tracheostomy in patients with acute respiratory distress syndrome is not related to quality of life, symptoms of psychiatric disorders or return-to-work: the prospective DACAPO cohort study. <i>Annals of Intensive Care</i> , 2020 , 10, 52	8.9	4
95	Factor XIII activity in patients requiring surgical re-exploration for bleeding after elective cardiac surgery - A prospective case control study. <i>Journal of Critical Care</i> , 2020 , 56, 18-25	4	4
94	Nrf2-A Molecular Target for Sepsis Patients in Critical Care. <i>Biomolecules</i> , 2020 , 10,	5.9	4
93	Dynamics of cerebral oxygenation during rapid ventricular pacing and its impact on outcome in transfemoral transcatheter aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2021 , 97, E146-E153	2.7	4
92	The MiR-320 Family Is Strongly Downregulated in Patients with COVID-19 Induced Severe Respiratory Failure. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
91	Dexmedetomidine as adjunct in awake craniotomy - improvement or not?. <i>Anaesthesiology Intensive Therapy</i> , 2020 , 52, 15-22	1.7	3
90	Lipoteichoic acid induces delayed myocardial protection in isolated rat hearts: a comparison with endotoxin. <i>Resuscitation</i> , 2008 , 79, 311-5	4	3
89	Physicians' Perceptions of a Situation Awareness-Oriented Visualization Technology for Viscoelastic Blood Coagulation Management (Visual Clot): Mixed Methods Study. <i>JMIR Serious Games</i> , 2020 , 8, e19036	3.4	3
88	Visualized effect of the Frankfurt COVID aErosol pRotEction Dome - COVERED. <i>Indian Journal of Anaesthesia</i> , 2020 , 64, S156-S158	1.5	3
87	Effects of an Animated Blood Clot Technology (Visual Clot) on the Decision-Making of Users Inexperienced in Viscoelastic Testing: Multicenter Trial. <i>Journal of Medical Internet Research</i> , 2021 , 23, e27124	7.6	3
86	Efficacy and safety of early target-controlled plasma volume replacement with a balanced gelatine solution versus a balanced electrolyte solution in patients with severe sepsis/septic shock: study protocol, design, and rationale of a prospective, randomized, controlled, double-blind, multicentric, international clinical trial: GENUS 2. <i>Intensive Care Medicine</i> , 2021 , 26, 271	2.8	3
85	Dubious effects by the choice of anesthetics in remote ischemic preconditioning. <i>Journal of Thoracic Disease</i> , 2016 , 8, E1549-E1550	2.6	3
84	Risk factors and outcomes associated with the carriage of tigecycline- and vancomycin-resistant <i>Enterococcus faecium</i> . <i>Journal of Infection</i> , 2021 , 82, 227-234	18.9	3
83	The association between intraoperative cell salvage and red blood cell transfusion in cardiac surgery - an observational study in a patient blood management centre. <i>Anaesthesiology Intensive Therapy</i> , 2021 , 53, 1-9	1.7	3
82	Cell salvage using the continuous autotransfusion device CATSmart - an observational bicenter technical evaluation. <i>BMC Anesthesiology</i> , 2018 , 18, 189	2.4	3
81	Machine learning identifies ICU outcome predictors in a multicenter COVID-19 cohort. <i>Critical Care</i> , 2021 , 25, 295	10.8	3
80	Influence of temperature on volume, weight and density changes of i-gel masks. <i>Anaesthesiology Intensive Therapy</i> , 2020 , 52, 119-125	1.7	2

79	The Prevalence and Clinical Relevance of ASA Nonresponse After Cardiac Surgery: A Prospective Bicentric Study. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2018 , 24, 179-185	3.3	2
78	Drug-Mediated Intracellular Donation of Nitric Oxide Potently Inhibits 5-Lipoxygenase: A Possible Key to Future Antileukotriene Therapy. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 1265-1285	8.4	2
77	Wie wir stationäre Routinedaten im Rahmen der Versorgungsforschung nutzen können. <i>Gesundheitsökonomie Und Qualitätsmanagement</i> , 2019 , 24, 147-154	0.3	2
76	Angiotensin II infusion in COVID-19: An international, multicenter, registry-based study.. <i>Journal of Medical Virology</i> , 2022 ,	19.7	2
75	Factors influencing the bias between blood gas analysis versus central laboratory hemoglobin testing. A secondary analysis of a randomized controlled trial. <i>PLoS ONE</i> , 2020 , 15, e0240721	3.7	2
74	Structural Modifications Yield Novel Insights Into the Intriguing Pharmacodynamic Potential of Anti-inflammatory Nitro-Fatty Acids. <i>Frontiers in Pharmacology</i> , 2021 , 12, 715076	5.6	2
73	Pain Dreams and Dream Emotions in Patients with Chronic Back Pain and Healthy Controls. <i>Open Pain Journal</i> , 2017 , 10, 65-72	0.3	2
72	Physicians' Perceptions of a Situation Awareness-Oriented Visualization Technology for Viscoelastic Blood Coagulation Management (Visual Clot): Mixed Methods Study (Preprint)		2
71	Laryngeal tube suction for airway management during in-hospital emergencies. <i>Clinics</i> , 2017 , 72, 422-425.	3	2
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