

# Kai D Zacharowski

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2496623/kai-d-zacharowski-publications-by-year.pdf>  
**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
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	Influence of anaemia in severely injured patients on mortality, transfusion and length of stay: an analysis of the TraumaRegister DGU.. <i>European Journal of Trauma and Emergency Surgery</i> , <b>2022</b> , 1	2.3	0
221	Angiotensin II infusion in COVID-19: An international, multicenter, registry-based study.. <i>Journal of Medical Virology</i> , <b>2022</b> ,	19.7	2
220	Evaluation of volatile sedation in the postoperative intensive care of patients recovering from heart valve surgery: protocol for a randomised, controlled, monocentre trial.. <i>BMJ Open</i> , <b>2022</b> , 12, e057804	3.04	0
219	Preoperative anaemia and red blood cell transfusion in patients with aneurysmal subarachnoid and intracerebral haemorrhage - a multicentre subanalysis of the German PBM Network Registry.. <i>Acta Neurochirurgica</i> , <b>2022</b> , 164, 985	3	
218	Die maschinelle Autotransfusion [Patient Blood Management im OP. <i>Transfusionsmedizin &amp; Immunhämatologie Hämotherapie Transplantationsimmunologie Zelltherapie</i> , <b>2022</b> , 12, 50-61	0.1	
217	The impact of intravenous iron supplementation in elderly patients undergoing major surgery.. <i>BMC Geriatrics</i> , <b>2022</b> , 22, 293	4.1	0
216	Cerebral oxygen saturation as outcome predictor after transfemoral transcatheter aortic valve implantation.. <i>Clinical Research in Cardiology</i> , <b>2022</b> , 1	6.1	
215	Evaluation of a Clinical Decision Support System for the most evidence-based approach to managing perioperative anticoagulation.. <i>Journal of Clinical Anesthesia</i> , <b>2022</b> , 80, 110877	1.9	0
214	Inhibitors of Human 5-Lipoxygenase Potently Interfere With Prostaglandin Transport.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 782584	5.6	1
213	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> , <b>2021</b> , 21, 11704	11.7	11
212	Structural Modifications Yield Novel Insights Into the Intriguing Pharmacodynamic Potential of Anti-inflammatory Nitro-Fatty Acids. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 715076	5.6	2
211	Cerebrospinal Fluid Concentrations of Meropenem and Vancomycin in Ventriculitis Patients Obtained by TDM-Guided Continuous Infusion. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	1
210	Voice alerting as a medical alarm modality for next-generation patient monitoring: a randomised international multicentre trial. <i>British Journal of Anaesthesia</i> , <b>2021</b> , 127, 769-777	5.4	2
209	Quantification of Intraoperative Blood Loss in a Simulated Scenario Using a Novel Device. <i>Shock</i> , <b>2021</b> , 55, 759-765	3.4	2
208	Aerosol Exposure During Surgical Tracheotomy in SARS-CoV-2 Positive Patients. <i>Shock</i> , <b>2021</b> , 55, 472-478	3.4	7
207	Effectiveness of Preoperative Iron Supplementation in Major Surgical Patients With Iron Deficiency: A Prospective Observational Study. <i>Annals of Surgery</i> , <b>2021</b> , 274, e212-e219	7.8	14
206	Current concepts in the evaluation and management of preoperative anemia. <i>Current Opinion in Anaesthesiology</i> , <b>2021</b> , 34, 352-356	2.9	1

205	Audit of international intraoperative hemotherapy and blood loss documentation on anesthetic records. <i>Minerva Anestesiologica</i> , <b>2021</b> , 87, 312-318	1.9	1
204	Association of Intravenous Tranexamic Acid With Thromboembolic Events and Mortality: A Systematic Review, Meta-analysis, and Meta-regression. <i>JAMA Surgery</i> , <b>2021</b> , e210884	5.4	29
203	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> , <b>2021</b> , 23, e27124	7.6	3
202	External validation of urinary C-C motif chemokine ligand 14 (CCL14) for prediction of persistent acute kidney injury. <i>Critical Care</i> , <b>2021</b> , 25, 185	10.8	2
201	The impact of the SARS-CoV-2 pandemic on the ongoing prospective, international, multicentre observational study assessing the preoperative anaemia prevalence in surgical patients (ALICE-trial). <i>Transfusion Medicine</i> , <b>2021</b> , 31, 387-390	1.3	
200	Anaesthesia and orphan disease: management of a case of Nicolaides-Baraitser syndrome undergoing cleft palate surgery. <i>BMC Anesthesiology</i> , <b>2021</b> , 21, 162	2.4	
199	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: GENIUS-Gelatine use in ICU and sepsis. <i>Trials</i> , <b>2021</b> , 22, 376	2.8	3
198	Getting hit by the bus around the world - a global perspective on goal directed treatment of massive hemorrhage in trauma. <i>Current Opinion in Anaesthesiology</i> , <b>2021</b> , 34, 537-543	2.9	0
197	High sedation needs of critically ill COVID-19 ARDS patients-A monocentric observational study. <i>PLoS ONE</i> , <b>2021</b> , 16, e0253778	3.7	2
196	A multifaceted approach to intensive care unit capacity. <i>Lancet Public Health</i> , <b>2021</b> , 6, e448	22.4	0
195	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> , <b>2021</b> , 97, E146-E153	2.7	4
194	Safety considerations for the use of Point-Of-Care diagnostics during SARS-CoV-2 pandemic. <i>Journal of Clinical Laboratory Analysis</i> , <b>2021</b> , 35, e23631	3	2
193	Risk factors and outcomes associated with the carriage of tigecycline- and vancomycin-resistant <i>Enterococcus faecium</i> . <i>Journal of Infection</i> , <b>2021</b> , 82, 227-234	18.9	3
192	Characterization of neonates born to mothers with SARS-CoV-2 infection: Review and meta-analysis. <i>Pediatrics and Neonatology</i> , <b>2021</b> , 62, 11-20	1.8	11
191	Comparison of common perioperative blood loss estimation techniques: a systematic review and meta-analysis. <i>Journal of Clinical Monitoring and Computing</i> , <b>2021</b> , 35, 245-258	2	14
190	Insight into ECMO, mortality and ARDS: a nationwide analysis of 45,647 ECMO runs. <i>Critical Care</i> , <b>2021</b> , 25, 38	10.8	10
189	The association between intraoperative cell salvage and red blood cell transfusion in cardiac surgery - an observational study in a patient blood management centre. <i>Anesthesiology Intensive Therapy</i> , <b>2021</b> , 53, 1-9	1.7	3
188	The visually estimated blood volume in scaled canisters based on a simulation study. <i>BMC Anesthesiology</i> , <b>2021</b> , 21, 54	2.4	0

187	Role of POC INR in the early stage of diagnosis of coagulopathy. <i>Practical Laboratory Medicine</i> , <b>2021</b> , 26, e00238	1.7	0
186	Machine learning identifies ICU outcome predictors in a multicenter COVID-19 cohort. <i>Critical Care</i> , <b>2021</b> , 25, 295	10.8	3
185	Physician's Subjective Increase in Awareness towards Perioperative Anaemia, Patient's Blood Resource, and Transfusion after the Implementation of Patient Blood Management: A Nationwide Multicentre Survey. <i>Acta Haematologica</i> , <b>2021</b> , 1-8	2.7	0
184	Use of Thromboelastography in the Evaluation and Management of Patients With Traumatic Brain Injury: A Systematic Review and Meta-Analysis <b>2021</b> , 3, e0526		2
183	Patient Blood Management in intensive care patients. <i>Current Opinion in Critical Care</i> , <b>2021</b> , 27, 709-716	3.5	1
182	Powered air-purifying respirators used during the SARS-CoV-2 pandemic significantly reduce speech perception. <i>Journal of Occupational Medicine and Toxicology</i> , <b>2021</b> , 16, 43	2.7	2
181	The MiR-320 Family Is Strongly Downregulated in Patients with COVID-19 Induced Severe Respiratory Failure. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
180	The impact of timing of intravenous iron supplementation on preoperative haemoglobin in patients scheduled for major surgery. <i>Blood Transfusion</i> , <b>2021</b> ,	3.6	1
179	Building-related illness (BRI) in all family members caused by mold infestation after dampness damage of the building.. <i>GMS Hygiene and Infection Control</i> , <b>2021</b> , 16, Doc32	2.4	0
178	Volatile Isoflurane in Critically Ill Coronavirus Disease 2019 Patients-A Case Series and Systematic Review <b>2020</b> , 2, e0256		10
177	Changes in Transfusion Practice in Children and Adolescents over Time. <i>Transfusion Medicine and Hemotherapy</i> , <b>2020</b> , 47, 379-384	4.2	0
176	Impact of Intraoperative Cell Salvage on Blood Coagulation Factor Concentrations in Patients Undergoing Cardiac Surgery. <i>Anesthesia and Analgesia</i> , <b>2020</b> , 130, 1389-1395	3.9	9
175	Rapid sequence induction: An international survey. <i>European Journal of Anaesthesiology</i> , <b>2020</b> , 37, 435-443	3.5	13
174	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> , <b>2020</b> , 37, 521-610	2.3	15
173	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> , <b>2020</b> , 37, 3515-3536	4.1	8
172	The association of the anesthesiologist's academic and educational status with self-confidence, self-rated knowledge and objective knowledge in rational antibiotic application. <i>BMC Research Notes</i> , <b>2020</b> , 13, 161	2.3	
171	Dexmedetomidine as adjunct in awake craniotomy - improvement or not?. <i>Anaesthesiology Intensive Therapy</i> , <b>2020</b> , 52, 15-22	1.7	3
170	Influence of temperature on volume, weight and density changes of i-gel masks. <i>Anaesthesiology Intensive Therapy</i> , <b>2020</b> , 52, 119-125	1.7	2

169	Histone Deacetylation Inhibitors as Modulators of Regulatory T Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	19
168	Red cell use in trauma. <i>Current Opinion in Anaesthesiology</i> , <b>2020</b> , 33, 220-226	2.9	
167	A comprehensive assessment of the coagulation profile in critically ill COVID-19 patients. <i>Thrombosis Research</i> , <b>2020</b> , 194, 42-44	8.2	18
166	Changes in transfusion and fluid therapy practices in severely injured children: an analysis of 5118 children from the TraumaRegister DGU®. <i>European Journal of Trauma and Emergency Surgery</i> , <b>2020</b> , 1	2.3	0
165	Angiotensin II treatment in COVID-19 patients: more risk than benefit? A single-center experience. <i>Critical Care</i> , <b>2020</b> , 24, 409	10.8	1
164	Cholinesterase alterations in delirium after cardiac surgery: a German monocentric prospective study. <i>BMJ Open</i> , <b>2020</b> , 10, e031212	3	7
163	Identification and validation of biomarkers of persistent acute kidney injury: the RUBY study. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 943-953	14.5	47
162	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> , <b>2020</b> , 10, 52	8.9	4
161	Total Intravenous Anesthesia in Joubert Syndrome Patient for Otorhinolaryngology Surgery: A Case Report and Mini Review of the Literature. <i>American Journal of Case Reports</i> , <b>2020</b> , 21, e923018	1.3	1
160	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> , <b>2020</b> , 15, e0240721	3.7	2
159	Hemostatis Analyzer-Supported Hemotherapy Algorithm in Cardiac Surgery: Protocol for a Randomized Controlled Monocentric Trial. <i>JMIR Research Protocols</i> , <b>2020</b> , 9, e17206	2	
158	Physicians' Perceptions of a Situation Awareness-Oriented Visualization Technology for Viscoelastic Blood Coagulation Management (Visual Clot): Mixed Methods Study. <i>JMIR Serious Games</i> , <b>2020</b> , 8, e19036	3.4	3
157	Visualized effect of the Frankfurt COVid aErosol pRotEction Dome - COVERED. <i>Indian Journal of Anaesthesia</i> , <b>2020</b> , 64, S156-S158	1.5	3
156	Assessment of hemostatic profile in patients with mild to advanced liver cirrhosis. <i>World Journal of Gastroenterology</i> , <b>2020</b> , 26, 2097-2110	5.6	1
155	The effect of the interruption of agitation, temporary cooling, and pneumatic tube transportation on platelet quality during storage for transfusion. <i>Transfusion</i> , <b>2020</b> , 61, 1258	2.9	1
154	Airway management in a prehospital setting during the SARS-CoV-2 pandemic. <i>Anaesthesiology Intensive Therapy</i> , <b>2020</b> , 52, 341-343	1.7	
153	The Frankfurt COVid aErosol pRotEction Dome-COVERED-a consideration for personal protective equipment improvement and technical note. <i>Anaesthesia, Critical Care &amp; Pain Medicine</i> , <b>2020</b> , 39, 373-374	3	2
152	Patient Blood Management: Effectiveness and Future Potential. <i>Anesthesiology</i> , <b>2020</b> , 133, 212-222	4.3	26

151	Aprotinin Relicense and Use of Nonapproved Interventions. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2020</b> , 34, 1123-1124	2.1	
150	Health economics of Patient Blood Management: a cost-benefit analysis based on a meta-analysis. <i>Vox Sanguinis</i> , <b>2020</b> , 115, 182-188	3.1	10
149	Screening for iron deficiency in surgical patients based on noninvasive zinc protoporphyrin measurements. <i>Transfusion</i> , <b>2020</b> , 60, 62-72	2.9	7
148	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> , <b>2020</b> , 56, 18-25	4	4
147	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> , <b>2020</b> , 115, 182-191	3.1	11
146	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> , <b>2020</b> , 11, 1297	5.6	10
145	Fibrin-derived peptide B15-42 (FX06) as salvage treatment in critically ill patients with COVID-19-associated acute respiratory distress syndrome. <i>Critical Care</i> , <b>2020</b> , 24, 574	10.8	1
144	Do we visually estimate intra-operative blood loss better with white or green sponges and is the deviation from the real blood loss clinically acceptable? Results from a simulated scenario study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0240808	3.7	0
143	Coronavirus Threatens Blood Supply: Patient Blood Management Now!. <i>Annals of Surgery</i> , <b>2020</b> , 272, e74	7.8	5
142	Implementation of an anaemia walk-in clinic: Feasibility and preliminary data from the Orthopedic University Hospital. <i>Transfusion Medicine</i> , <b>2020</b> , 30, 467-474	1.3	0
141	Patient Blood Management in der Allgemein- und Viszeralchirurgie. <i>Allgemein- Und Viszeralchirurgie Up2date</i> , <b>2020</b> , 14, 67-80	0.3	
140	The () Promoter Polymorphisms (rs3063368, rs755622) Predict Acute Kidney Injury and Death after Cardiac Surgery. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	5
139	COVID-19 Induced Acute Respiratory Distress Syndrome-A Multicenter Observational Study. <i>Frontiers in Medicine</i> , <b>2020</b> , 7, 599533	4.9	7
138	Nrf2-A Molecular Target for Sepsis Patients in Critical Care. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	4
137	Preoperative Anaemia in Primary Hip and Knee Arthroplasty. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , <b>2020</b> , 158, 194-200	1.1	5
136	Perioperative Anemia Management as Part of PBM in Cardiac Surgery - A Narrative Updated Review. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2020</b> , 34, 1060-1073	2.1	15
135	Factors influencing the bias between blood gas analysis versus central laboratory hemoglobin testing. A secondary analysis of a randomized controlled trial <b>2020</b> , 15, e0240721		
134	Factors influencing the bias between blood gas analysis versus central laboratory hemoglobin testing. A secondary analysis of a randomized controlled trial <b>2020</b> , 15, e0240721		



133	Factors influencing the bias between blood gas analysis versus central laboratory hemoglobin testing. A secondary analysis of a randomized controlled trial <b>2020</b> , 15, e0240721		
132	Factors influencing the bias between blood gas analysis versus central laboratory hemoglobin testing. A secondary analysis of a randomized controlled trial <b>2020</b> , 15, e0240721		
131	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> , <b>2019</b> , 19, 26	2.3	10
130	Influence of the WOMAN trial on national wide standard operating procedures for treatment of postpartum hemorrhage. <i>Journal of Gynecology Obstetrics and Human Reproduction</i> , <b>2019</b> , 48, 269-273	1.9	1
129	Impact of a new balanced gelatine on electrolytes and pH in the perioperative care. <i>PLoS ONE</i> , <b>2019</b> , 14, e0213057	3.7	0
128	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> , <b>2019</b> , 20, 156	2.8	8
127	TLR2-Dependent Reversible Oxidation of Connexin 43 at Cys260 Modifies Electrical Coupling After Experimental Myocardial Ischemia/Reperfusion. <i>Journal of Cardiovascular Translational Research</i> , <b>2019</b> , 12, 478-487	3.3	1
126	Granisetron reduces the need for uterotonics but not sympathomimetics during cesarean delivery. <i>International Journal of Gynecology and Obstetrics</i> , <b>2019</b> , 145, 361-366	4	
125	Prospective Trial to Compare Direct and Indirect Laryngoscopy Using C-MAC PM <sup>®</sup> with Macintosh Blade and D-Blade <sup>®</sup> in a Simulated Difficult Airway. <i>Emergency Medicine International</i> , <b>2019</b> , 2019, 1067473	1.4	10
124	Multimodal Patient Blood Management Program Based on a Three-pillar Strategy: A Systematic Review and Meta-analysis. <i>Annals of Surgery</i> , <b>2019</b> , 269, 794-804	7.8	94
123	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> , <b>2019</b> , 20, 101	2.8	12
122	Wie wir stationäre Routinedaten im Rahmen der Versorgungsforschung nutzen können. <i>Gesundheitsökonomie Und Qualitätsmanagement</i> , <b>2019</b> , 24, 147-154	0.3	2
121	Patient Blood Management. <i>Springer Reference Medizin</i> , <b>2019</b> , 211-215	0	1
120	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> , <b>2019</b> , 2019, 9690839	1.4	4
119	Total Intravenous Anesthesia in GLUT1 Deficiency Syndrome Patient: A Case Report. <i>American Journal of Case Reports</i> , <b>2019</b> , 20, 647-650	1.3	1
118	A model-based cost-effectiveness analysis of Patient Blood Management. <i>Blood Transfusion</i> , <b>2019</b> , 17, 16-26	3.6	16
117	In-line filtration of intravenous infusion may reduce organ dysfunction of adult critical patients. <i>Critical Care</i> , <b>2019</b> , 23, 373	10.8	5
116	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> , <b>2019</b> , 33, 1711-1726	0.9	20

115	An anesthesia perspective on surgical antibiotic prophylaxis: Results of a comprehensive infectiology survey study in German hospitals. <i>American Journal of Infection Control</i> , <b>2019</b> , 47, 222-223	3.8	0
114	Red blood cell transfusion and its alternatives in oncologic surgery-A critical evaluation. <i>Critical Reviews in Oncology/Hematology</i> , <b>2019</b> , 134, 1-9	7	10
113	Patient blood management. <i>ISBT Science Series</i> , <b>2019</b> , 14, 53-57	1.1	
112	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> , <b>2018</b> , 44, 438-448	14.5	62
111	Sind Sie Patient Blood Manager oder transfundieren Sie noch?. <i>Kliniker</i> , <b>2018</b> , 47, 10-11	0	
110	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> , <b>2018</b> , 8, 5	8.9	10
109	RIPHeart (Remote Ischemic Preconditioning for Heart Surgery) Study: Myocardial Dysfunction, Postoperative Neurocognitive Dysfunction, and 1-Year Follow-Up. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	16
108	The Prevalence and Clinical Relevance of ASA Nonresponse After Cardiac Surgery: A Prospective Bicentric Study. <i>Clinical and Applied Thrombosis/Hemostasis</i> , <b>2018</b> , 24, 179-185	3.3	2
107	Drug-Mediated Intracellular Donation of Nitric Oxide Potently Inhibits 5-Lipoxygenase: A Possible Key to Future Antileukotriene Therapy. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 28, 1265-1285	8.4	2
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> , <b>2018</b> , 122, 223-232	3.1	5
105	The Fibrin Cleavage Product B $\beta$ Channels Endothelial and Tubular Regeneration in the Post-acute Course During Murine Renal Ischemia Reperfusion Injury. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 369	5.6	1
104	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> , <b>2018</b> , 19,	6.3	11
103	Patient Blood Management improves outcome in oncologic surgery. <i>World Journal of Surgical Oncology</i> , <b>2018</b> , 16, 159	3.4	19
102	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> , <b>2018</b> , 155, 48-60	6	11
101	Validation of a New Small-Volume Sodium Citrate Collection Tube for Coagulation Testing in Critically Ill Patients with Coagulopathy. <i>Clinical Laboratory</i> , <b>2018</b> , 64, 1083-1089	2	2
100	In Reply. <i>Anesthesiology</i> , <b>2018</b> , 129, 611-613	4.3	
99	Cell salvage using the continuous autotransfusion device CATSmart - an observational bicenter technical evaluation. <i>BMC Anesthesiology</i> , <b>2018</b> , 18, 189	2.4	3
98	Patient Blood Management in Critically Ill <b>2018</b> , 407-423		



97	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> , <b>2018</b> , 8, e023609	3	22
96	Patient Blood Management Bundles to Facilitate Implementation. <i>Transfusion Medicine Reviews</i> , <b>2017</b> , 31, 62-71	7.4	117
95	Strategies to reduce blood product utilization in obstetric practice. <i>Current Opinion in Anaesthesiology</i> , <b>2017</b> , 30, 294-299	2.9	12
94	Management of severe perioperative bleeding: guidelines from the European Society of Anaesthesiology: First update 2016. <i>European Journal of Anaesthesiology</i> , <b>2017</b> , 34, 332-395	2.3	416
93	A special article following the reluctance of aprotinin injection in Europe. <i>Anaesthesia, Critical Care &amp; Pain Medicine</i> , <b>2017</b> , 36, 97-102	3	9
92	Improving outcome of trauma patients by implementing patient blood management. <i>Current Opinion in Anaesthesiology</i> , <b>2017</b> , 30, 243-249	2.9	6
91	"Simplified International Recommendations for the Implementation of Patient Blood Management" (SIR4PBM). <i>Perioperative Medicine (London, England)</i> , <b>2017</b> , 6, 5	2.8	38
90	Anemia tolerance during normo-, hypo-, and hypervolemia. <i>Transfusion</i> , <b>2017</b> , 57, 613-621	2.9	1
89	Neutrophil transfer of to lung epithelial cells dampens acute lung injury in mice. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	117
88	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> , <b>2017</b> , 127, 918-933	4.3	27
87	Apoptotic Diminution of Immature Single and Double Positive Thymocyte Subpopulations Contributes to Thymus Involution During Murine Polymicrobial Sepsis. <i>Shock</i> , <b>2017</b> , 48, 215-226	3.4	8
86	Takotsubo Cardiomyopathy Triggered by Venous Air Embolism During Craniotomy in the Sitting Position. <i>World Neurosurgery</i> , <b>2017</b> , 107, 1045.e1-1045.e4	2.1	4
85	Microparticles from stored red blood cells enhance procoagulant and proinflammatory activity. <i>Transfusion</i> , <b>2017</b> , 57, 2701-2711	2.9	35
84	Pain Dreams and Dream Emotions in Patients with Chronic Back Pain and Healthy Controls. <i>Open Pain Journal</i> , <b>2017</b> , 10, 65-72	0.3	2
83	Laryngeal tube suction for airway management during in-hospital emergencies. <i>Clinics</i> , <b>2017</b> , 72, 422-425.	2.3	2
82	Mortality of Septic Mice Strongly Correlates With Adrenal Gland Inflammation. <i>Critical Care Medicine</i> , <b>2016</b> , 44, e190-9	1.4	13
81	Influence of clonidine induced sympathicolysis on anaemia tolerance in anaesthetized pigs. <i>BMC Anesthesiology</i> , <b>2016</b> , 16, 93	2.4	
80	Washed cell salvage in surgical patients: A review and meta-analysis of prospective randomized trials under PRISMA. <i>Medicine (United States)</i> , <b>2016</b> , 95, e4490	1.8	44

79	The Fibrin-Derived Peptide Bβ15-42 (FX06) Ameliorates Vascular Leakage and Improves Survival and Neurocognitive Recovery: Implications From Two Animal Models of Cardiopulmonary Resuscitation. <i>Critical Care Medicine</i> , <b>2016</b> , 44, e988-95	1.4	8
78	Intravascular volume therapy in adults: Guidelines from the Association of the Scientific Medical Societies in Germany. <i>European Journal of Anaesthesiology</i> , <b>2016</b> , 33, 488-521	2.3	53
77	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> , <b>2016</b> , 264, 203-11	7.8	99
76	Novel method to leukoreduce murine blood for transfusion: how to reduce animal usage. <i>Transfusion</i> , <b>2016</b> , 56, 146-52	2.9	1
75	Remote Ischemic Preconditioning and Cardiac Surgery. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 491	59.2	14
74	Toll-like receptor 3 signalling mediates angiogenic response upon shock wave treatment of ischaemic muscle. <i>Cardiovascular Research</i> , <b>2016</b> , 109, 331-43	9.9	42
73	IgM-Enriched Immunoglobulin Attenuates Systemic Endotoxin Activity in Early Severe Sepsis: A Before-After Cohort Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160907	3.7	16
72	Patient Blood Management <b>2016</b> , 1-5		
71	Dubious effects by the choice of anesthetics in remote ischemic preconditioning. <i>Journal of Thoracic Disease</i> , <b>2016</b> , 8, E1549-E1550	2.6	3
70	Pparγ Expression in T Cells as a Prognostic Marker of Sepsis. <i>Shock</i> , <b>2016</b> , 45, 591-7	3.4	5
69	Coagulation management in trauma-associated coagulopathy: allogenic blood products versus coagulation factor concentrates in trauma care. <i>Current Opinion in Anaesthesiology</i> , <b>2016</b> , 29, 245-9	2.9	9
68	Patient blood management: is it worth to be employed?. <i>Current Opinion in Anaesthesiology</i> , <b>2016</b> , 29, 186-91	2.9	2
67	Patient blood management equals patient safety. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2016</b> , 30, 159-69	4	18
66	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> , <b>2016</b> , 48, 104-12	10.5	8
65	Antifactor Xa Activity for the Management of Anticoagulation during Cardiac Surgery. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2016</b> , 64, 494-500	1.6	
64	Profiling of cell stress protein expression in cardiac tissue of cardiac surgical patients undergoing remote ischemic preconditioning: implications for thioredoxin in cardioprotection. <i>Journal of Translational Medicine</i> , <b>2015</b> , 13, 34	8.5	13
63	Combined peri-ischemic administration of Bβ15-42 in treating ischemia reperfusion injury of the mouse kidney. <i>Microvascular Research</i> , <b>2015</b> , 101, 48-54	3.7	7
62	A radiographic comparison of human airway anatomy and airway manikins--Implications for manikin-based testing of artificial airways. <i>Resuscitation</i> , <b>2015</b> , 92, 129-36	4	12

61	Medical treatment of an Ebola-infected doctor--ethics over costs?. <i>Lancet, The</i> , <b>2015</b> , 385, 685	4.0	4
60	Contribution of NINJURIN1 to Toll-like receptor 4 signaling and systemic inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2015</b> , 53, 656-63	5.7	29
59	A Multicenter Trial of Remote Ischemic Preconditioning for Heart Surgery. <i>New England Journal of Medicine</i> , <b>2015</b> , 373, 1397-407	59.2	404
58	Management of Microbiological Samples in a Confirmed Case of Ebola Virus Disease: Constraints and Limitations. <i>Journal of Clinical Microbiology</i> , <b>2015</b> , 53, 3396-400	9.7	4
57	Should we restrict erythrocyte transfusion in early goal directed protocols?. <i>BMC Anesthesiology</i> , <b>2015</b> , 15, 75	2.4	1
56	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> , <b>2015</b> , 42, 91-7	4.2	25
55	The role of adrenal gland microenvironment in the HPA axis function and dysfunction during sepsis. <i>Molecular and Cellular Endocrinology</i> , <b>2015</b> , 408, 241-8	4.4	63
54	Severe Ebola virus disease with vascular leakage and multiorgan failure: treatment of a patient in intensive care. <i>Lancet, The</i> , <b>2015</b> , 385, 1428-35	4.0	147
53	Shockwave therapy differentially stimulates endothelial cells: implications on the control of inflammation via toll-like receptor 3. <i>Inflammation</i> , <b>2014</b> , 37, 65-70	5.1	48
52	Savoring every drop - vampire or mosquito?. <i>Critical Care</i> , <b>2014</b> , 18, 306	10.8	22
51	What's new in volume therapy in the intensive care unit?. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2014</b> , 28, 275-83	4	10
50	Activities of cardiac tissue matrix metalloproteinases 2 and 9 are reduced by remote ischemic preconditioning in cardiosurgical patients with cardiopulmonary bypass. <i>Journal of Translational Medicine</i> , <b>2014</b> , 12, 94	8.5	13
49	The small fibrinopeptide B $\beta$ 15-42 as renoprotective agent preserving the endothelial and vascular integrity in early ischemia reperfusion injury in the mouse kidney. <i>PLoS ONE</i> , <b>2014</b> , 9, e84432	3.7	10
48	The early activation of toll-like receptor (TLR)-3 initiates kidney injury after ischemia and reperfusion. <i>PLoS ONE</i> , <b>2014</b> , 9, e94366	3.7	24
47	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> , <b>2014</b> , 14, 576	2.9	12
46	Complications associated with the prehospital use of laryngeal tubes--a systematic analysis of risk factors and strategies for prevention. <i>Resuscitation</i> , <b>2014</b> , 85, 1629-32	4	37
45	Hemotherapy algorithms for coagulopathic cardiac surgery patients. <i>Clinical Laboratory</i> , <b>2014</b> , 60, 1059-63		9
44	Aggregometric assessment of clonidine's impact on the efficacy of dual platelet inhibition. <i>Clinical Laboratory</i> , <b>2014</b> , 60, 1533-9	2	2

43	Characterization of the LPS-induced inflammation of the adrenal gland in mice. <i>Molecular and Cellular Endocrinology</i> , <b>2013</b> , 371, 228-35	4.4	26
42	Discovery and validation of cell cycle arrest biomarkers in human acute kidney injury. <i>Critical Care</i> , <b>2013</b> , 17, R25	10.8	718
41	Point-of-care coagulation management in intensive care medicine. <i>Critical Care</i> , <b>2013</b> , 17, 218	10.8	49
40	Cecum ligation and dissection: a novel modified mouse sepsis model. <i>Journal of Surgical Research</i> , <b>2013</b> , 183, 321-9	2.5	8
39	Remote ischemic preconditioning regulates HIF-1 $\beta$ levels, apoptosis and inflammation in heart tissue of cardiosurgical patients: a pilot experimental study. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 314	11.8	81
38	Systemic endotoxin activity correlates with clot formation: an observational study in patients with early systemic inflammation and sepsis. <i>Critical Care</i> , <b>2013</b> , 17, R198	10.8	22
37	Attenuation of myocardial injury by HMGB1 blockade during ischemia/reperfusion is toll-like receptor 2-dependent. <i>Mediators of Inflammation</i> , <b>2013</b> , 2013, 174168	4.3	19
36	Determination of organ-specific anemia tolerance. <i>Critical Care Medicine</i> , <b>2013</b> , 41, 1037-45	1.4	29
35	Perioperative coagulation management during cardiac surgery. <i>Current Opinion in Anaesthesiology</i> , <b>2013</b> , 26, 60-4	2.9	31
34	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> , <b>2013</b> , 110, 14801-6	11.5	57
33	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> , <b>2013</b> , 17, R166	10.8	57
32	Postoperative neurocognitive dysfunction in patients undergoing cardiac surgery after remote ischemic preconditioning: a double-blind randomized controlled pilot study. <i>PLoS ONE</i> , <b>2013</b> , 8, e64743	3.7	57
31	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> , <b>2013</b> , 8, e58009	3.7	22
30	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> , <b>2012</b> , 38, 1556-7; author reply 1558-9	14.5	6
29	Akt or phosphoinositide-3-kinase inhibition reverses cardio-protection in Toll-like receptor 2 deficient mice. <i>Resuscitation</i> , <b>2012</b> , 83, 1404-10	4	10
28	Deguelin attenuates reperfusion injury and improves outcome after orthotopic lung transplantation in the rat. <i>PLoS ONE</i> , <b>2012</b> , 7, e39265	3.7	17
27	In vivo electrophysiological characterization of TASK-1 deficient mice. <i>Cellular Physiology and Biochemistry</i> , <b>2012</b> , 30, 523-37	3.9	25
26	Point-of-care testing: a prospective, randomized clinical trial of efficacy in coagulopathic cardiac surgery patients. <i>Anesthesiology</i> , <b>2012</b> , 117, 531-47	4.3	458

25	The fibrinopeptide b $\beta$ 15-42 reduces inflammation in mice subjected to polymicrobial sepsis. <i>Shock</i> , <b>2012</b> , 38, 275-80	3.4	11
24	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> , <b>2012</b> , 33, 1423-6	9.5	35
23	Biomarkers of endothelial dysfunction: can they help us deciphering systemic inflammation and sepsis?. <i>Biomarkers</i> , <b>2011</b> , 16 Suppl 1, S11-21	2.6	127
22	Genetic variation of TLR4 influences immunoendocrine stress response: an observational study in cardiac surgical patients. <i>Critical Care</i> , <b>2011</b> , 15, R109	10.8	9
21	Tranexamic acid partially improves platelet function in patients treated with dual antiplatelet therapy. <i>European Journal of Anaesthesiology</i> , <b>2011</b> , 28, 57-62	2.3	73
20	Left ventricular dilation in toll-like receptor 2 deficient mice after myocardial ischemia/reperfusion through defective scar formation. <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 89-98	11.8	27
19	Peroxisome proliferator-activated receptor $\beta$ induced T cell apoptosis reduces survival during polymicrobial sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2011</b> , 184, 64-74	10.2	108
18	Novel aspects of fibrin(ogen) fragments during inflammation. <i>Molecular Medicine</i> , <b>2011</b> , 17, 568-73	6.2	151
17	Preconditioning by toll-like receptor 2 agonist Pam3CSK4 reduces CXCL1-dependent leukocyte recruitment in murine myocardial ischemia/reperfusion injury. <i>Critical Care Medicine</i> , <b>2010</b> , 38, 903-9	1.4	70
16	Toll-like receptor 2 signaling triggers fatal arrhythmias upon myocardial ischemia-reperfusion. <i>Critical Care Medicine</i> , <b>2010</b> , 38, 1927-32	1.4	23
15	B $\beta$ 15-42 (FX06) reduces pulmonary, myocardial, liver, and small intestine damage in a pig model of hemorrhagic shock and reperfusion. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 598-605	1.4	60
14	Peptide B $\beta$ 15-42 preserves endothelial barrier function in shock. <i>PLoS ONE</i> , <b>2009</b> , 4, e5391	3.7	61
13	Rosiglitazone is cardioprotective in a murine model of myocardial I/R. <i>Shock</i> , <b>2008</b> , 30, 64-8	3.4	31
12	Lipoteichoic acid induces delayed myocardial protection in isolated rat hearts: a comparison with endotoxin. <i>Resuscitation</i> , <b>2008</b> , 79, 311-5	4	3
11	The effects of the fibrin-derived peptide B $\beta$ 15-42 in acute and chronic rodent models of myocardial ischemia-reperfusion. <i>Shock</i> , <b>2007</b> , 27, 631-7	3.4	27
10	The fibrin-derived peptide B $\beta$ 15-42 is cardioprotective in a pig model of myocardial ischemia-reperfusion injury. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 1730-5	1.4	83
9	Peroxisome proliferator-activated receptor gamma contributes to T lymphocyte apoptosis during sepsis. <i>Journal of Leukocyte Biology</i> , <b>2006</b> , 79, 235-43	6.5	29
8	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> , <b>2006</b> , 103, 6392-7	11.5	118

7	Thrombelastography for the monitoring of lipopolysaccharide induced activation of coagulation. <i>Thrombosis and Haemostasis</i> , <b>2006</b> , 95, 557-61	7	32
6	Fibrin(ogen) and its fragments in the pathophysiology and treatment of myocardial infarction. <i>Journal of Molecular Medicine</i> , <b>2006</b> , 84, 469-77	5.5	47
5	The fibrin-derived peptide Bbeta15-42 protects the myocardium against ischemia-reperfusion injury. <i>Nature Medicine</i> , <b>2005</b> , 11, 298-304	50.5	188
4	Lipoteichoic acid induces delayed protection in the rat heart: A comparison with endotoxin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 1521-8	9.4	71
3	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> , <b>1999</b> , 19, 2276-80	9.4	30
2	Anämie- und Blutmanagement: Neubewertung in verschiedenen Indikationen		1
1	Physicians' Perceptions of a Situation Awareness-Oriented Visualization Technology for Viscoelastic Blood Coagulation Management (Visual Clot): Mixed Methods Study (Preprint)		2