

# Markus Hollmann

## List of Publications by Year in descending order

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Version: 2024-02-01

361  
papers

14,909  
citations

20817

60  
h-index

26613

107  
g-index

370  
all docs

370  
docs citations

370  
times ranked

13534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of surgery and general anaesthesia on sleep-wake timing: CLOCKS observational study. <i>Anaesthesia</i> , 2022, 77, 73-81.	3.8	9
2	Prognostication using SpO <sub>2</sub> /FiO <sub>2</sub> in invasively ventilated ICU patients with ARDS due to COVID-19 – Insights from the PRoVENT-COVID study. <i>Journal of Critical Care</i> , 2022, 68, 31-37.	2.2	11
3	Geographic economic variations in epidemiology, ventilation management and outcome of patients receiving intraoperative ventilation during general anaesthesia – posthoc analysis of an observational study in 29 countries. <i>BMC Anesthesiology</i> , 2022, 22, 15.	1.8	1
4	Empagliflozin reduces oxidative stress through inhibition of the novel inflammation/NHE/[Na <sup>+</sup> ] <sub>c</sub> /ROS-pathway in human endothelial cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112515.	5.6	47
5	The Effect of Hyperbaric Oxygen Therapy on Markers of Oxidative Stress and the Immune Response in Healthy Volunteers. <i>Frontiers in Physiology</i> , 2022, 13, 826163.	2.8	15
6	Validation of the PreOperative Score to predict Post-Operative Mortality (POSPOM) in Dutch non-cardiac surgery patients. <i>BMC Anesthesiology</i> , 2022, 22, 58.	1.8	4
7	Direct cardiac effects of SGLT2 inhibitors. <i>Cardiovascular Diabetology</i> , 2022, 21, 45.	6.8	62
8	Cardioprotective Properties of Humoral Factors Released after Remote Ischemic Preconditioning in CABG Patients with Propofol-Free Anaesthesia – A Translational Approach from Bedside to Bench. <i>Journal of Clinical Medicine</i> , 2022, 11, 1450.	2.4	2
9	Amelioration of endothelial dysfunction by sodium glucose co-transporter 2 inhibitors: pieces of the puzzle explaining their cardiovascular protection. <i>British Journal of Pharmacology</i> , 2022, 179, 4047-4062.	5.4	16
10	Autologous red blood cell transfusion does not result in a more profound increase in pulmonary capillary wedge pressure compared to saline in critically ill patients: A randomized crossover trial. <i>Vox Sanguinis</i> , 2022, 117, 1035-1042.	1.5	3
11	ÎP-Guided PEEP in the Operating Room – “Do We Need More Guidance?”. <i>Anesthesia and Analgesia</i> , 2022, 134, e40-e41.	2.2	0
12	Pro-Con Debate: Do We Need Quantitative Neuromuscular Monitoring in the Era of Sugammadex?. <i>Anesthesia and Analgesia</i> , 2022, 135, 39-48.	2.2	10
13	The Effect of Intermittent versus Continuous Non-Invasive Blood Pressure Monitoring on the Detection of Intraoperative Hypotension, a Sub-Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 4083.	2.4	1
14	Prophylactic furosemide to prevent transfusion-associated circulatory overload: a randomized controlled study in rats. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
15	Impact of Cardiopulmonary Resuscitation of Donors on Days Alive and Out of Hospital after Orthotopic Heart Transplantation. <i>Journal of Clinical Medicine</i> , 2022, 11, 3853.	2.4	1
16	The Options for Neuraxial Drug Administration. <i>CNS Drugs</i> , 2022, 36, 877-896.	5.9	7
17	Timing of Preoperative Antibiotic Prophylaxis and Surgical Site Infection. <i>Annals of Surgery</i> , 2021, 274, e308-e314.	4.2	16
18	Novel Anti-inflammatory Effects of Canagliflozin Involving Hexokinase II in Lipopolysaccharide-Stimulated Human Coronary Artery Endothelial Cells. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 1083-1094.	2.6	44

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19	Perioperative approach of allergic patients. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2021, 35, 11-25.	4.0	2
20	Intravenous acetaminophen does not have an opioid sparing effect in Emergency Department patients with painful conditions. <i>American Journal of Emergency Medicine</i> , 2021, 39, 1-5.	1.6	4
21	Influence of room ventilation settings on aerosol clearance and distribution. <i>British Journal of Anaesthesia</i> , 2021, 126, e49-e52.	3.4	9
22	Optimizing airway management and ventilation during prehospital advanced life support in out-of-hospital cardiac arrest: A narrative review. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2021, 35, 67-82.	4.0	13
23	Dexmedetomidine Provides Cardioprotection During Early or Late Reperfusion Mediated by Different Mitochondrial K <sup>+</sup> -Channels. <i>Anesthesia and Analgesia</i> , 2021, 132, 253-260.	2.2	4
24	Ventilation management and clinical outcomes in invasively ventilated patients with COVID-19 (PRoVENT-COVID): a national, multicentre, observational cohort study. <i>Lancet Respiratory Medicine</i> , 2021, 9, 139-148.	10.7	206
25	Cost-effectiveness of immediate total-body CT in patients with severe trauma (REACT-2 trial). <i>British Journal of Surgery</i> , 2021, 108, 277-285.	0.3	5
26	Ventilation practices in burn patients – an international prospective observational cohort study. <i>Burns and Trauma</i> , 2021, 9, tkab034.	4.9	2
27	Intracranial hematoma and abscess after neuraxial analgesia and anesthesia: a review of the literature describing 297 cases. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 337-343.	2.3	7
28	Association of intraoperative hypotension with postoperative morbidity and mortality: systematic review and meta-analysis. <i>BJS Open</i> , 2021, 5, .	1.7	42
29	Cardioprotective Properties of Mannitol – Involvement of Mitochondrial Potassium Channels. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2395.	4.1	10
30	Sex difference and intra-operative tidal volume. <i>European Journal of Anaesthesiology</i> , 2021, 38, 1034-1041.	1.7	7
31	A pre-hospital risk score predicts critical illness in non-trauma patients transported by ambulance to a Dutch tertiary referral hospital. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2021, 29, 32.	2.6	3
32	Intravenous lidocaine: it's all about a risk-benefit analysis. <i>Anaesthesia</i> , 2021, 76, 717-718.	3.8	3
33	The Association of Intraoperative driving pressure with postoperative pulmonary complications in open versus closed abdominal surgery patients – a posthoc propensity score-weighted cohort analysis of the LAS VEGAS study. <i>BMC Anesthesiology</i> , 2021, 21, 84.	1.8	19
34	Pharmacological Conditioning of the Heart: An Update on Experimental Developments and Clinical Implications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2519.	4.1	19
35	Modeling intra-abdominal volume and respiratory driving pressure during pneumoperitoneum insufflation – a patient-level data meta-analysis. <i>Journal of Applied Physiology</i> , 2021, 130, 721-728.	2.5	11
36	Clinical performance of a machine-learning algorithm to predict intra-operative hypotension with noninvasive arterial pressure waveforms. <i>European Journal of Anaesthesiology</i> , 2021, 38, 609-615.	1.7	13

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37	The Redox Modulating Sonlicromanol Active Metabolite KH176m and the Antioxidant MPG Protect Against Short-Duration Cardiac Ischemia-Reperfusion Injury. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 745-758.	2.6	4
38	Combination of Cyclosporine A and Levosimendan Induces Cardioprotection under Acute Hyperglycemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4517.	4.1	7
39	Goal-directed fluid therapy vs. low central venous pressure during major open liver resections (GALILEO): a surgeon- and patient-blinded randomized controlled trial. <i>Hpb</i> , 2021, 23, 1578-1585.	0.3	9
40	Enhanced PeriOperative Care and Health protection programme for the prevention of surgical site infections after elective abdominal surgery (EPO2CH): statistical analysis plan of a randomised controlled multicentre superiority trial. <i>Trials</i> , 2021, 22, 297.	1.6	1
41	Effects of Hyperglycemia and Diabetes Mellitus on Coagulation and Hemostasis. <i>Journal of Clinical Medicine</i> , 2021, 10, 2419.	2.4	40
42	Practice of adjunctive treatments in critically ill COVID-19 patients: rational for the multicenter observational PRoAcT-COVID study in The Netherlands. <i>Annals of Translational Medicine</i> , 2021, 9, 813-813.	1.7	6
43	Clinical features and prognostic factors in Covid-19: A prospective cohort study. <i>EBioMedicine</i> , 2021, 67, 103378.	6.1	79
44	Optimal Perioperative Pain Management in Esophageal Surgery: An Evaluation of Paravertebral Analgesia. <i>Annals of Surgical Oncology</i> , 2021, 28, 6321-6328.	1.5	7
45	Bosutinib reduces endothelial permeability and organ failure in a rat polytrauma transfusion model. <i>British Journal of Anaesthesia</i> , 2021, 126, 958-966.	3.4	4
46	Assessment of the Effect of Recruitment Maneuver on Lung Aeration Through Imaging Analysis in Invasively Ventilated Patients: A Systematic Review. <i>Frontiers in Physiology</i> , 2021, 12, 666941.	2.8	9
47	Protection of healthcare workers during aerosol-generating procedures with local exhaust ventilation. <i>British Journal of Anaesthesia</i> , 2021, 126, e220-e222.	3.4	1
48	Mechanisms of action of fascial plane blocks: a narrative review. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 618-628.	2.3	71
49	Sodium Glucose Co-Transporter 2 Inhibitors Ameliorate Endothelium Barrier Dysfunction Induced by Cyclic Stretch through Inhibition of Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6044.	4.1	37
50	A Comparison of 1000ÅHz to 30ÅHz Spinal Cord Stimulation Strategies in Patients with Unilateral Neuropathic Leg Pain Due to Failed Back Surgery Syndrome: A Multicenter, Randomized, Double-Blinded, Crossover Clinical Study (HALO). <i>Pain and Therapy</i> , 2021, 10, 1189-1202.	3.2	5
51	Effect of Hypotension Prediction Index-guided intraoperative haemodynamic care on depth and duration of postoperative hypotension: a sub-study of the Hypotension Prediction trial. <i>British Journal of Anaesthesia</i> , 2021, 127, 681-688.	3.4	25
52	Platelet-to-red blood cell ratio and mortality in bleeding trauma patients: A systematic review and meta-analysis. <i>Transfusion</i> , 2021, 61, S243-S251.	1.6	9
53	Formula for safe insertion depth of a pulmonary artery catheter. <i>British Journal of Anaesthesia</i> , 2021, 127, e25-e27.	3.4	2
54	Association of intensity of ventilation with 28-day mortality in COVID-19 patients with acute respiratory failure: insights from the PRoVENT-COVID study. <i>Critical Care</i> , 2021, 25, 283.	5.8	22

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55	Influence of Hyperglycemia and Diabetes on Cardioprotection by Humoral Factors Released after Remote Ischemic Preconditioning (RIPC). <i>International Journal of Molecular Sciences</i> , 2021, 22, 8880.	4.1	8
56	Cardioprotective Properties of Known Agents in Rat Ischemia-Reperfusion Model Under Clinically Relevant Conditions: Only the NAD Precursor Nicotinamide Riboside Reduces Infarct Size in Presence of Fentanyl, Midazolam and Cangrelor, but Not Propofol. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 712478.	2.4	7
57	Differential effects of speed and volume on transfusion-associated circulatory overload: A randomized study in rats. <i>Vox Sanguinis</i> , 2021, , .	1.5	2
58	The role of intraoperative hypotension on the development of postoperative cognitive dysfunction: a systematic review. <i>Journal of Clinical Anesthesia</i> , 2021, 72, 110310.	1.6	13
59	Plasma and rhADAMTS13 reduce trauma-induced organ failure by restoring the ADAMTS13-VWF axis. <i>Blood Advances</i> , 2021, 5, 3478-3491.	5.2	14
60	Ipsilateral and contralateral validation of continuous noninvasive finger blood pressure: does side matter?. <i>British Journal of Anaesthesia</i> , 2021, 127, e149-e151.	3.4	2
61	High incidence of outcome switching observed in follow-up publications of randomized controlled trials: Meta-research study. <i>Journal of Clinical Epidemiology</i> , 2021, 137, 236-240.	5.0	4
62	The Routine postSurgical Anesthesia visit to improve patient outComE (TRACE) study: lessons learned. <i>British Journal of Anaesthesia</i> , 2021, 127, e140-e142.	3.4	3
63	Less common types of diabetes mellitus: Incidence and glucose control in the perioperative setting. <i>Journal of Clinical Anesthesia</i> , 2021, 75, 110460.	1.6	2
64	The effects of preoperative moderate to severe anaemia on length of hospital stay. <i>European Journal of Anaesthesiology</i> , 2021, 38, 571-581.	1.7	4
65	Interaction of Opioids with TLR4 Mechanisms and Ramifications. <i>Cancers</i> , 2021, 13, 5274.	3.7	21
66	Only the NAD precursor nicotinamide riboside maintains cardioprotection under clinically relevant conditions, possibly through activation of glycolysis. <i>European Heart Journal</i> , 2021, 42, .	2.2	1
67	Mediation of the Cardioprotective Effects of Mannitol Discovered, with Refutation of Common Protein Kinases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12471.	4.1	3
68	Opioid Receptor-Mediated and Non-Opioid Receptor-Mediated Roles of Opioids in Tumour Growth and Metastasis. <i>Frontiers in Oncology</i> , 2021, 11, 792290.	2.8	7
69	Ultrasound guided supra-inguinal Fascia Iliaca Compartment Blocks in hip fracture patients: An alternative technique. <i>American Journal of Emergency Medicine</i> , 2020, 38, 231-236.	1.6	9
70	Changes in ventilator settings and ventilation-induced lung injury in burn patients A systematic review. <i>Burns</i> , 2020, 46, 762-770.	1.9	7
71	Use of a train-of-four ratio of 0.95 versus 0.9 for tracheal extubation: an exploratory analysis of POPULAR data. <i>British Journal of Anaesthesia</i> , 2020, 124, 63-72.	3.4	75
72	Insights into postoperative respiration by using continuous wireless monitoring of respiratory rate on the postoperative ward: a cohort study. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 1285-1293.	1.6	14

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73	International multicentre review of perioperative management and outcome for catecholamine-producing tumours. <i>British Journal of Surgery</i> , 2020, 107, e170-e178.	0.3	55
74	Use 80% Oxygen Not Only During Extubation But Throughout Anesthesia. <i>Anesthesia and Analgesia</i> , 2020, 130, e96-e97.	2.2	2
75	Comparing collaboration: a study into co-authorship behaviour of anaesthetists and surgeons. <i>British Journal of Anaesthesia</i> , 2020, 124, e20-e21.	3.4	0
76	Risk of Major Complications After Perioperative Norepinephrine Infusion Through Peripheral Intravenous Lines in a Multicenter Study. <i>Anesthesia and Analgesia</i> , 2020, 131, 1060-1065.	2.2	58
77	Characteristics of Dexmedetomidine Postconditioning in the Field of Myocardial Ischemiaâ€“Reperfusion Injury. <i>Anesthesia and Analgesia</i> , 2020, 130, 90-98.	2.2	28
78	Liraglutide for perioperative management of hyperglycaemia in cardiac surgery patients: a multicentre randomized superiority trial. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 557-565.	4.4	28
79	The effectiveness of a low-dose esketamine versus an alfentanil adjunct to propofol sedation during endoscopic retrograde cholangiopancreatography. <i>European Journal of Anaesthesiology</i> , 2020, 37, 394-401.	1.7	75
80	The use of cryopreserved platelets in a traumaâ€“induced hemorrhage model. <i>Transfusion</i> , 2020, 60, 2079-2089.	1.6	12
81	PRactice of VENTilation in Patients with Novel Coronavirus Disease (PRoVENT-COVID): rationale and protocol for a national multicenter observational study in The Netherlands. <i>Annals of Translational Medicine</i> , 2020, 8, 1251-1251.	1.7	24
82	Haematoma, abscess or meningitis after neuraxial anaesthesia in the USA and the Netherlands. <i>European Journal of Anaesthesiology</i> , 2020, 37, 743-751.	1.7	4
83	The value of anaesthesiologists in the COVID-19 pandemic: a model for our future practice?. <i>British Journal of Anaesthesia</i> , 2020, 125, 652-655.	3.4	12
84	Empagliflozin Decreases Lactate Generation in an NHE-1 Dependent Fashion and Increases $\beta$ -Ketoglutarate Synthesis From Palmitate in Type II Diabetic Mouse Hearts. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 592233.	2.4	22
85	NLRX1 Deletion Increases Ischemia-Reperfusion Damage and Activates Glucose Metabolism in Mouse Heart. <i>Frontiers in Immunology</i> , 2020, 11, 591815.	4.8	16
86	Perioperative Cardioprotection: General Mechanisms and Pharmacological Approaches. <i>Anesthesia and Analgesia</i> , 2020, 131, 1765-1780.	2.2	28
87	Perioperative Cardioprotection: Clinical Implications. <i>Anesthesia and Analgesia</i> , 2020, 131, 1751-1764.	2.2	17
88	Perioperative Organ Failure: A Preventable Complication?. <i>Anesthesia and Analgesia</i> , 2020, 131, 1663-1665.	2.2	1
89	Influence of Hyperglycemia on Dexmedetomidine-Induced Cardioprotection in the Isolated Perfused Rat Heart. <i>Journal of Clinical Medicine</i> , 2020, 9, 1445.	2.4	15
90	Microbiological and scanning electron microscopic evaluation of epidural catheters. <i>Regional Anesthesia and Pain Medicine</i> , 2020, 45, 381-385.	2.3	2

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91	Enhanced PeriOperative Care and Health protection programme for the prevention of surgical site infections after elective abdominal surgery (EPOCH): study protocol of a randomised controlled, multicentre, superiority trial. <i>BMJ Open</i> , 2020, 10, e038196.	1.9	2
92	Appreciation of literature by the anaesthetist: A comparison of citations, downloads and Altmetric Attention Score. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 823-828.	1.6	4
93	The Melatonin Receptor Agonist Ramelteon Induces Cardioprotection that Requires MT2 Receptor Activation and Release of Reactive Oxygen Species. <i>Cardiovascular Drugs and Therapy</i> , 2020, 34, 303-310.	2.6	9
94	Perioperative Hyperoxyphobia: Justified or Not? Benefits and Harms of Hyperoxia during Surgery. <i>Journal of Clinical Medicine</i> , 2020, 9, 642.	2.4	19
95	Effects of Liraglutide on Myocardial Function After Cardiac Surgery: A Secondary Analysis of the Randomised Controlled GLOBE Trial. <i>Journal of Clinical Medicine</i> , 2020, 9, 673.	2.4	4
96	Defining human mean circulatory filling pressure in the intensive care unit. <i>Journal of Applied Physiology</i> , 2020, 129, 311-316.	2.5	4
97	Paravertebral catheter versus EPidural analgesia in Minimally invasive Esophageal resection: a randomized controlled multicenter trial (PEPMEN trial). <i>BMC Cancer</i> , 2020, 20, 142.	2.6	15
98	Effect of a Machine Learningâ€‘Derived Early Warning System for Intraoperative Hypotension vs Standard Care on Depth and Duration of Intraoperative Hypotension During Elective Noncardiac Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 1052.	7.4	273
99	Refining the criteria for immediate total-body CT after severe trauma. <i>European Radiology</i> , 2020, 30, 2955-2963.	4.5	10
100	Effect of electroacupuncture on sedation requirements during colonoscopy: a prospective placebo-controlled randomised trial. <i>Acupuncture in Medicine</i> , 2020, 38, 131-139.	1.0	8
101	Activation of PKG and Akt Is Required for Cardioprotection by Ramelteon-Induced Preconditioning and Is Located Upstream of mKCa-Channels. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2585.	4.1	4
102	<sc>PRO</sc>: Routine hyperoxygenation in adult surgical patients whose tracheas are intubated. <i>Anaesthesia</i> , 2020, 75, 1293-1296.	3.8	2
103	In reply:PICO questions in systematic reviews. <i>Emergency Medicine Journal</i> , 2020, 37, 386-386.	1.0	1
104	Epidural anesthesia is no longer the standard of care in abdominal surgery with ERAS. What are the alternatives?. <i>Minerva Anesthesiologica</i> , 2020, 86, 1079-1088.	1.0	15
105	Effluent from ischemic preconditioned hearts confers cardioprotection independent of the number of preconditioning cycles. <i>PLoS ONE</i> , 2020, 15, e0243220.	2.5	2
106	Combination of the Phosphodiesterase Inhibitors Sildenafil and Milrinone Induces Cardioprotection With Various Conditioning Strategies. <i>Journal of Cardiovascular Pharmacology</i> , 2020, 76, 684-691.	1.9	2
107	Assessment of pulmonary oxygen toxicity in special operations forces divers under operational circumstances using exhaled breath analysis. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 2-8.	0.5	5
108	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , 2019, 2019, CD011940.	2.8	45



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109	Preperitoneal or Subcutaneous Wound Catheters as Alternative for Epidural Analgesia in Abdominal Surgery. <i>Annals of Surgery</i> , 2019, 269, 252-260.	4.2	54
110	Response to comments on "The European Society of Anaesthesiology Task Force review on the place of nitrous oxide in current clinical practice" (Br J Anaesth 2019; 122:587-604). <i>British Journal of Anaesthesia</i> , 2019, 123, e482-e483.	3.4	3
111	Use of a high platelet-to-RBC ratio of 2:1 is more effective in correcting trauma-induced coagulopathy than a ratio of 1:1 in a rat multiple trauma transfusion model. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 42.	1.9	8
112	Molecular mechanisms of action of systemic lidocaine in acute and chronic pain: a narrative review. <i>British Journal of Anaesthesia</i> , 2019, 123, 335-349.	3.4	157
113	Cerebral autoregulation: with age comes wisdom. <i>British Journal of Anaesthesia</i> , 2019, 123, e466-e468.	3.4	2
114	Patient blood management in the cardiac surgical setting: An updated overview. <i>Transfusion and Apheresis Science</i> , 2019, 58, 397-407.	1.0	11
115	MiR-34a is differentially expressed in dorsal root ganglia in a rat model of chronic neuropathic pain. <i>Neuroscience Letters</i> , 2019, 708, 134365.	2.1	19
116	Opiophobia in Cancer Biology- Justified? - The Role of Perioperative Use of Opioids in Cancer Recurrence. <i>Current Pharmaceutical Design</i> , 2019, 25, 3020-3027.	1.9	9
117	The use of a machine-learning algorithm that predicts hypotension during surgery in combination with personalized treatment guidance: study protocol for a randomized clinical trial. <i>Trials</i> , 2019, 20, 582.	1.6	14
118	Impact of Ca <sup>2+</sup> -Sensitive Potassium Channels in Levosimendan-Induced Postconditioning. <i>Cardiovascular Drugs and Therapy</i> , 2019, 33, 581-588.	2.6	9
119	Volume incompliance and transfusion are essential for transfusion-associated circulatory overload: a novel animal model. <i>Transfusion</i> , 2019, 59, 3617-3627.	1.6	11
120	Face and construct validity of TU-Delft epidural simulator and the value of real-time visualization. <i>Regional Anesthesia and Pain Medicine</i> , 2019, 44, 298-302.	2.3	5
121	Haemotherapy with Fibrinogen for Perioperative Bleeding Prevention "A view on Arterial Thrombogenesis and Myocardial Infarction in the Rat In Vivo. <i>Journal of Clinical Medicine</i> , 2019, 8, 880.	2.4	3
122	Paracetamol versus other analgesia in adult patients with minor musculoskeletal injuries: a systematic review. <i>Emergency Medicine Journal</i> , 2019, 36, 493-500.	1.0	8
123	Helium-Induced Changes in Circulating Caveolin in Mice Suggest a Novel Mechanism of Cardiac Protection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2640.	4.1	14
124	Effect of Intraoperative High Positive End-Expiratory Pressure (PEEP) With Recruitment Maneuvers vs Low PEEP on Postoperative Pulmonary Complications in Obese Patients. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 2292.	7.4	216
125	Safety of epidural drugs: a narrative review. <i>Expert Opinion on Drug Safety</i> , 2019, 18, 591-601.	2.4	9
126	Milrinone-Induced Pharmacological Preconditioning in Cardioprotection: Hints for a Role of Mitochondrial Mechanisms. <i>Journal of Clinical Medicine</i> , 2019, 8, 507.	2.4	17



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127	Markers of Pulmonary Oxygen Toxicity in Hyperbaric Oxygen Therapy Using Exhaled Breath Analysis. <i>Frontiers in Physiology</i> , 2019, 10, 475.	2.8	13
128	Awake intravenous provocation with small doses of neuromuscular blocking agent in patients with suspected allergy: experiences from the Dutch Perioperative Allergy Centre. <i>British Journal of Anaesthesia</i> , 2019, 123, e153-e155.	3.4	9
129	On-demand versus continuous rocuronium infusion for deep neuromuscular relaxation in patients undergoing thoraco-laparoscopic esophagectomy: a randomized-controlled clinical trial (DEPTH). <i>Canadian Journal of Anaesthesia</i> , 2019, 66, 1062-1074.	1.6	8
130	Plasma from Volunteers Breathing Helium Reduces Hypoxia-Induced Cell Damage in Human Endothelial Cells – Mechanisms of Remote Protection Against Hypoxia by Helium. <i>Cardiovascular Drugs and Therapy</i> , 2019, 33, 297-306.	2.6	6
131	Cardioprotective Properties of Omecamtiv Mecarbil against Ischemia and Reperfusion Injury. <i>Journal of Clinical Medicine</i> , 2019, 8, 375.	2.4	6
132	Adverse side effects of dexamethasone in surgical patients – an abridged Cochrane systematic review. <i>Anaesthesia</i> , 2019, 74, 929-939.	3.8	79
133	Impact of Anesthetics on Cardioprotection Induced by Pharmacological Preconditioning. <i>Journal of Clinical Medicine</i> , 2019, 8, 396.	2.4	11
134	Protective ventilation with high versus low positive end-expiratory pressure during one-lung ventilation for thoracic surgery (PROTHOR): study protocol for a randomized controlled trial. <i>Trials</i> , 2019, 20, 213.	1.6	42
135	Optimal postoperative pain management: redefining the role for opioids. <i>Lancet, The</i> , 2019, 393, 1483-1485.	13.7	36
136	European Society of Anaesthesiology Task Force on Nitrous Oxide: a narrative review of its role in clinical practice. <i>British Journal of Anaesthesia</i> , 2019, 122, 587-604.	3.4	66
137	Lack of consensus on the peri-operative management of patients with diabetes mellitus. <i>European Journal of Anaesthesiology</i> , 2019, 36, 168-169.	1.7	5
138	Neuromuscular monitoring and reversal: responses to the POPULAR study – Authors' reply. <i>Lancet Respiratory Medicine</i> , 2019, 7, e7-e8.	10.7	3
139	Association between night-time surgery and occurrence of intraoperative adverse events and postoperative pulmonary complications. <i>British Journal of Anaesthesia</i> , 2019, 122, 361-369.	3.4	39
140	How incremental video training did not guarantee implementation due to fluctuating population prevalence. <i>BMJ Open Quality</i> , 2019, 8, e000447.	1.1	1
141	Preoperative Continuation of Oral Hypoglycemic Drugs. <i>Anesthesia and Analgesia</i> , 2019, 128, e49.	2.2	1
142	Early increase in anti-inflammatory biomarkers is associated with the development of multiple organ dysfunction syndrome in severely injured trauma patients. <i>Trauma Surgery and Acute Care Open</i> , 2019, 4, e000343.	1.6	4
143	Î²-Lactam Allergy in the Operating Theater: Reply. <i>Anesthesiology</i> , 2019, 130, 855-856.	2.5	0
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147	Cardioprotection by Humoral Factors Released After Remote Ischemic Preconditioning Depends on Anesthetic Regimen. <i>Critical Care Medicine</i> , 2019, 47, e250-e255.	0.9	25
148	Comment on "The Time Has Come to Embrace Continuous Wound Infiltration via Preperitoneal Catheters as Routine Analgesic Therapy in Open Abdominal Surgery". <i>Annals of Surgery</i> , 2019, 270, e51-e52.	4.2	5
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150	Emergency Bleeding Control Interventions After Immediate Total-Body CT Scans in Trauma Patients. <i>World Journal of Surgery</i> , 2019, 43, 490-496.	1.6	13
151	Delayed ischaemic contracture onset by empagliflozin associates with NHE1 inhibition and is dependent on insulin in isolated mouse hearts. <i>Cardiovascular Research</i> , 2019, 115, 1533-1545.	3.8	71
152	Comparison of perioperative glucose regulation in patients with type 1 vs type 2 diabetes mellitus: A retrospective cross-sectional study. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 314-321.	1.6	5
153	Fluid and pain management in liver surgery (MILESTONE): A worldwide study among surgeons and anesthesiologists. <i>Surgery</i> , 2019, 165, 337-344.	1.9	12
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159	Reverse causation. <i>British Journal of Anaesthesia</i> , 2018, 120, 609-610.	3.4	1
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161	Incidence, risk factors, and outcome of transfusion-associated circulatory overload in a mixed intensive care unit population: a nested case-control study. <i>Transfusion</i> , 2018, 58, 498-506.	1.6	40
162	Pharmacodynamics and Pharmacokinetics of Lidocaine in a Rodent Model of Diabetic Neuropathy. <i>Anesthesiology</i> , 2018, 128, 609-619.	2.5	14

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164	Helium alters the cytoskeleton and decreases permeability in endothelial cells cultured in vitro through a pathway involving Caveolin-1. <i>Scientific Reports</i> , 2018, 8, 4768.	3.3	10
165	A decrease in blood pressure is associated with unfavorable outcome in patients undergoing thrombectomy under general anesthesia. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 107-111.	3.3	104
166	Tranexamic Acid Does Not Influence Cardioprotection by Ischemic Preconditioning and Remote Ischemic Preconditioning. <i>Anesthesia and Analgesia</i> , 2018, 126, 439-442.	2.2	2
167	Impact of Anesthetic Regimen on Remote Ischemic Preconditioning in the Rat Heart In Vivo. <i>Anesthesia and Analgesia</i> , 2018, 126, 1377-1380.	2.2	46
168	The practice of diagnosing and reporting transfusion-associated circulatory overload: a national survey among physicians and haemovigilance officers. <i>Transfusion Medicine</i> , 2018, 28, 363-370.	1.1	7
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170	Perioperative continuation of metformin does not improve glycaemic control in patients with type 2 diabetes: a randomized controlled trial. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 749-752.	4.4	15
171	Effects of combined helium pre/postconditioning on the brain and heart in a rat resuscitation model. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 63-74.	1.6	18
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175	The prevalence of cardiovascular autonomic neuropathy and its influence on post induction hemodynamic variables in patients with and without diabetes; A prospective cohort study. <i>PLoS ONE</i> , 2018, 13, e0207384.	2.5	1
176	TRACE (Routine postSurgical Anesthesia visit to improve patient outCome): a prospective, multicenter, stepped-wedge, cluster-randomized interventional study. <i>Trials</i> , 2018, 19, 586.	1.6	11
177	Association between pre-operative biological phenotypes and postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2018, 35, 702-709.	1.7	8
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182	Sevoflurane based anaesthesia does not affect already impaired cerebral autoregulation in patients with type 2 diabetes mellitus. <i>British Journal of Anaesthesia</i> , 2018, 121, 1298-1307.	3.4	7
183	Melatonin Receptor Agonist Ramelteon Reduces Ischemia-Reperfusion Injury Through Activation of Mitochondrial Potassium Channels. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 72, 106-111.	1.9	23
184	Intraoperative ventilation settings and their associations with postoperative pulmonary complications in obese patients. <i>British Journal of Anaesthesia</i> , 2018, 121, 899-908.	3.4	78
185	Assessment of skin temperature during regional anaesthesia—What the anaesthesiologist should know. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 1280-1289.	1.6	21
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188	The effect of haemodynamic and peripheral vascular variability on cardiac output monitoring: thermodilution and non-invasive pulse contour cardiac output during cardiothoracic surgery. <i>Anaesthesia</i> , 2018, 73, 1489-1499.	3.8	21
189	The LAS VEGAS risk score for prediction of postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2018, 35, 691-701.	1.7	90
190	Potentially modifiable respiratory variables contributing to outcome in ICU patients without ARDS: a secondary analysis of PROVENT. <i>Annals of Intensive Care</i> , 2018, 8, 39.	4.6	22
191	The release of cardioprotective humoral factors after remote ischemic preconditioning in humans is age- and sex-dependent. <i>Journal of Translational Medicine</i> , 2018, 16, 112.	4.4	41
192	Preconditioning by Levosimendan is Mediated by Activation of Mitochondrial Ca <sup>2+</sup> -Sensitive Potassium (mBKC <sub>a</sub> ) Channels. <i>Cardiovascular Drugs and Therapy</i> , 2018, 32, 427-434.	2.6	18
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198	Cerebral oxygenation and vascular resistance changes during cardiopulmonary bypass—Where is the proof? A reply. <i>Anaesthesia</i> , 2017, 72, 664-665.	3.8	0

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200	Protective intraoperative ventilation with higher versus lower levels of positive end-expiratory pressure in obese patients (PROBESE): study protocol for a randomized controlled trial. <i>Trials</i> , 2017, 18, 202.	1.6	40
201	The Cardioprotective Effect of Dexmedetomidine in Rats Is Dose-Dependent and Mediated by BKCa Channels. <i>Journal of Cardiovascular Pharmacology</i> , 2017, 69, 228-235.	1.9	28
202	High rates of clinically relevant incidental findings by total-body CT scanning in trauma patients; results of the REACT-2 trial. <i>European Radiology</i> , 2017, 27, 2451-2462.	4.5	35
203	Acute detachment of hexokinase II from mitochondria modestly increases oxygen consumption of the intact mouse heart. <i>Metabolism: Clinical and Experimental</i> , 2017, 72, 66-74.	3.4	15
204	A randomized trial of remote ischemic preconditioning and control treatment for cardioprotection in sevoflurane-anesthetized CABG patients. <i>BMC Anesthesiology</i> , 2017, 17, 51.	1.8	15
205	Kinetics of plasma biomarkers of inflammation and lung injury in surgical patients with or without postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2017, 34, 229-238.	1.7	33
206	Cyclophilin D ablation is associated with increased end-ischemic mitochondrial hexokinase activity. <i>Scientific Reports</i> , 2017, 7, 12749.	3.3	9
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209	Efficacy of continuous intravenous glucose monitoring in perioperative glycaemic control: a randomized controlled study. <i>British Journal of Anaesthesia</i> , 2017, 118, 264-266.	3.4	4
210	Safety and efficacy of epidural analgesia. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 736-742.	2.0	62
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214	Intraoperative Use of the Ventrain for Single Lung Ventilation After Iatrogenic Trauma to the Left Main Bronchus During Thoracoscopy. <i>A &amp; A Case Reports</i> , 2017, 9, 116-118.	0.7	7
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226	European implementation of the "2014 ESC/ESA guideline on non-cardiac surgery: cardiovascular assessment and management". <i>Minerva Anestesiologica</i> , 2017, 83, 457-464.	1.0	0
227	Effect of goal-directed therapy on outcome after esophageal surgery: A quality improvement study. <i>PLoS ONE</i> , 2017, 12, e0172806.	2.5	37
228	Low-dose dexamethasone during arthroplasty. <i>EFORT Open Reviews</i> , 2016, 1, 303-309.	4.1	13
229	Local Anesthetic-Induced Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2016, 17, 339.	4.1	148
230	Effect of helium pre- or postconditioning on signal transduction kinases in patients undergoing coronary artery bypass graft surgery. <i>Journal of Translational Medicine</i> , 2016, 14, 294.	4.4	12
231	Postanaesthesia pulmonary complications after use of muscle relaxants in Europe. <i>European Journal of Anaesthesiology</i> , 2016, 33, 381-382.	1.7	5
232	An automated reminder for perioperative glucose regulation improves protocol compliance. <i>Diabetes Research and Clinical Practice</i> , 2016, 116, 80-82.	2.8	6
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234	Continuous wound infiltration versus epidural analgesia after hepato-pancreato-biliary surgery (POP-UP): a randomised controlled, open-label, non-inferiority trial. <i>The Lancet Gastroenterology and Hepatology</i> , 2016, 1, 105-113.	8.1	43



#	ARTICLE	IF	CITATIONS
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238	Reducing mitochondrial bound hexokinase II mediates transition from non-injurious into injurious ischemia/reperfusion of the intact heart. <i>Journal of Physiology and Biochemistry</i> , 2016, 73, 323-333.	3.0	20
239	Redesign of the System for Evaluation of Teaching Qualities in Anesthesiology Residency Training (SETQ <i>Smart</i>). <i>Anesthesiology</i> , 2016, 125, 1056-1065.	2.5	11
240	Do Amide Local Anesthetics Play a Therapeutic Role in the Perioperative Management of Cancer Patients?. <i>International Anesthesiology Clinics</i> , 2016, 54, e17-e32.	0.8	11
241	Efficacy and safety of intravenous lidocaine for postoperative analgesia and recovery after surgery: a systematic review with trial sequential analysis. <i>British Journal of Anaesthesia</i> , 2016, 116, 770-783.	3.4	192
242	Immediate total-body CT scanning versus conventional imaging and selective CT scanning in patients with severe trauma (REACT-2): a randomised controlled trial. <i>Lancet</i> , 2016, 388, 673-683.	13.7	206
243	NMDA Receptor Antagonist Ketamine Distorts Object Recognition by Reducing Feedback to Early Visual Cortex. <i>Cerebral Cortex</i> , 2016, 26, 1986-1996.	2.9	43
244	New perineal injection technique for pudendal nerve infiltration in diagnostic and therapeutic procedures. <i>Archives of Gynecology and Obstetrics</i> , 2016, 293, 805-813.	1.7	10
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249	Another Steroid Hypnotic. <i>Anesthesia and Analgesia</i> , 2015, 120, 980-982.	2.2	5
250	Protective <i>versus</i> Conventional Ventilation for Surgery. <i>Anesthesiology</i> , 2015, 123, 66-78.	2.5	291
251	The effect of on-demand vs deep neuromuscular relaxation on rating of surgical and anaesthesiologic conditions in patients undergoing thoracoscopic esophagectomy (DEPTH) Tj ETQq1 1 0.784314 rgBT9/Overlo		
252	Continuous wound infiltration or epidural analgesia for pain prevention after hepato-pancreato-biliary surgery within an enhanced recovery program (POP-UP trial): study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 562.	1.6	9



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254	Continuous intravenous perioperative lidocaine infusion for postoperative pain and recovery. <i>The Cochrane Library</i> , 2015, , CD009642.	2.8	166
255	Morphine does not facilitate breast cancer progression in two preclinical mouse models for human invasive lobular and HER2+ breast cancer. <i>Pain</i> , 2015, 156, 1424-1432.	4.2	37
256	Role of Endogenous Opioid System in Ischemic-Induced Late Preconditioning. <i>PLoS ONE</i> , 2015, 10, e0134283.	2.5	10
257	Intraoperative Fluid Restriction in Pancreatic Surgery: A Double Blinded Randomised Controlled Trial. <i>PLoS ONE</i> , 2015, 10, e0140294.	2.5	25
258	Patient controlled analgesia with remifentanil versus epidural analgesia in labour: randomised multicentre equivalence trial. <i>BMJ</i> , The, 2015, 350, h846-h846.	6.0	85
259	Peripheral regional anaesthesia and outcome: lessons learned from the last 10 years. <i>British Journal of Anaesthesia</i> , 2015, 114, 728-745.	3.4	93
260	Effects of helium on inflammatory and oxidative stress-induced endothelial cell damage. <i>Experimental Cell Research</i> , 2015, 337, 37-43.	2.6	11
261	Efficacy, safety and pharmacokinetics of sugammadex 4 mg kg <sup>-1</sup> for reversal of deep neuromuscular blockade in patients with severe renal impairment. <i>British Journal of Anaesthesia</i> , 2015, 114, 777-784.	3.4	52
262	Plasma from human volunteers subjected to remote ischemic preconditioning protects human endothelial cells from hypoxia-induced cell damage. <i>Basic Research in Cardiology</i> , 2015, 110, 17.	5.9	23
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266	Impact of Mitochondrial Ca <sup>2+</sup> -Sensitive Potassium (mBKCa) Channels in Sildenafil-Induced Cardioprotection in Rats. <i>PLoS ONE</i> , 2015, 10, e0144737.	2.5	40
267	Targets Involved in Cardioprotection by the Non-Anesthetic Noble Gas Helium. <i>Current Drug Targets</i> , 2015, 16, 786-792.	2.1	14
268	Helium Postconditioning Regulates Caveolin-1/3 Translocation and Gene Expression. <i>FASEB Journal</i> , 2015, 29, 1025.15.	0.5	0
269	Hyperglycemia and ambulatory surgery. <i>Minerva Anestesiologica</i> , 2015, 81, 951-9.	1.0	7
270	Reduction of Cardiac Cell Death after Helium Postconditioning in Rats: Transcriptional Analysis of Cell Death and Survival Pathways. <i>Molecular Medicine</i> , 2014, 20, 516-526.	4.4	18

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272	Study protocol of a randomised controlled trial comparing perioperative intravenous insulin, GIK or GLP-1 treatment in diabetes – PILGRIM trial. <i>BMC Anesthesiology</i> , 2014, 14, 91.	1.8	8
273	Local anaesthetics. <i>European Journal of Anaesthesiology</i> , 2014, 31, 575-585.	1.7	101
274	Comparison of Continuous Nerve Block Versus Patient-Controlled Analgesia for Postoperative Pain and Outcome After Talar and Calcaneal Fractures. <i>Foot and Ankle International</i> , 2014, 35, 1116-1121.	2.3	18
275	Optimizing anesthetic regimen for surgery in mice through minimization of hemodynamic, metabolic, and inflammatory perturbations. <i>Experimental Biology and Medicine</i> , 2014, 239, 737-746.	2.4	47
276	Cardioprotective efficacy depends critically on pharmacological dose, duration of ischaemia, health status of animals and choice of anaesthetic regimen: a case study with folic acid. <i>Journal of Translational Medicine</i> , 2014, 12, 325.	4.4	16
277	Pharmacological options to protect the aged heart from ischemia and reperfusion injury by targeting the PKA – BKCa signaling pathway. <i>Experimental Gerontology</i> , 2014, 56, 99-105.	2.8	28
278	Targeting hexokinase to mitochondria to modulate energy metabolism and reduce ischaemia – reperfusion injury in heart. <i>British Journal of Pharmacology</i> , 2014, 171, 2067-2079.	5.4	91
279	Time-dependent modulation of muscarinic m1/m3 receptor signalling by local anaesthetics. <i>British Journal of Anaesthesia</i> , 2014, 112, 370-379.	3.4	8
280	Is really conscious sedation with solely an opioid an alternative to every day used sedation regimes for colonoscopies in a teaching hospital? Midazolam/fentanyl, propofol/alfentanil, or alfentanil only for colonoscopy: a randomized trial. <i>Techniques in Coloproctology</i> , 2014, 18, 745-752.	1.8	15
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282	Nlrp3 plays no role in acute cardiac infarction due to low cardiac expression. <i>International Journal of Cardiology</i> , 2014, 177, 41-43.	1.7	51
283	Detection of cerebral arterial gas embolism using regional cerebral oxygen saturation, quantitative electroencephalography, and brain oxygen tension in the swine. <i>Journal of Neuroscience Methods</i> , 2014, 228, 79-85.	2.5	3
284	Does Regional Analgesia for Major Surgery Improve Outcome? Focus on Epidural Analgesia. <i>Anesthesia and Analgesia</i> , 2014, 119, 740-744.	2.2	53
285	Intravenous S-Ketamine Does Not Inhibit Alveolar Fluid Clearance in a Septic Rat Model. <i>PLoS ONE</i> , 2014, 9, e112622.	2.5	1
286	Outcome after regional anesthesia: weighing risks and benefits. <i>Minerva Anesthesiologica</i> , 2014, 80, 610-8.	1.0	9
287	Ondansetron: a new therapeutic option to attenuate postoperative cognitive dysfunction and delirium?. <i>Minerva Anesthesiologica</i> , 2014, 80, 407-9.	1.0	2
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295	Helium Induces Preconditioning in Human Endothelium <i>in Vivo</i> . <i>Anesthesiology</i> , 2013, 118, 95-104.	2.5	25
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