

Markus Hollmann

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.

345
papers

9,982
citations

50
h-index

89
g-index

370
ext. papers

12,589
ext. citations

5.1
avg. IF

6.25
L-index

#	Paper	IF	Citations
345	Minimally invasive versus open oesophagectomy for patients with oesophageal cancer: a multicentre, open-label, randomised controlled trial. <i>Lancet, The</i> , 2012 , 379, 1887-92	4.0	1051
344	Local anesthetics and the inflammatory response: a new therapeutic indication?. <i>Anesthesiology</i> , 2000 , 93, 858-75	4.3	495
343	Class effects of SGLT2 inhibitors in mouse cardiomyocytes and hearts: inhibition of Na/H exchanger, lowering of cytosolic Na and vasodilation. <i>Diabetologia</i> , 2018 , 61, 722-726	10.3	241
342	Protective versus Conventional Ventilation for Surgery: A Systematic Review and Individual Patient Data Meta-analysis. <i>Anesthesiology</i> , 2015 , 123, 66-78	4.3	224
341	Mechanical ventilation with lower tidal volumes and positive end-expiratory pressure prevents pulmonary inflammation in patients without preexisting lung injury. <i>Anesthesiology</i> , 2008 , 108, 46-54	4.3	224
340	Systemic lidocaine shortens length of hospital stay after colorectal surgery: a double-blinded, randomized, placebo-controlled trial. <i>Annals of Surgery</i> , 2007 , 246, 192-200	7.8	224
339	Noninvasive continuous arterial blood pressure monitoring with Nexfin [®] . <i>Anesthesiology</i> , 2012 , 116, 1092-103	4.3	213
338	Failed epidural: causes and management. <i>British Journal of Anaesthesia</i> , 2012 , 109, 144-54	5.4	209
337	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, The</i> , 2016 , 388, 673-83	4.0	146
336	Incidence of mortality and morbidity related to postoperative lung injury in patients who have undergone abdominal or thoracic surgery: a systematic review and meta-analysis. <i>Lancet Respiratory Medicine</i> , 2014 , 2, 1007-15	35.1	140
335	Apoptosis induction by different local anaesthetics in a neuroblastoma cell line. <i>British Journal of Anaesthesia</i> , 2009 , 103, 711-8	5.4	139
334	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, 770-83	5.4	134
333	Post-anaesthesia pulmonary complications after use of muscle relaxants (POPULAR): a multicentre, prospective observational study. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 129-140	35.1	131
332	Local anesthetic effects on priming and activation of human neutrophils. <i>Anesthesiology</i> , 2001 , 95, 113-23	4.3	114
331	Continuous intravenous perioperative lidocaine infusion for postoperative pain and recovery. <i>The Cochrane Library</i> , 2015 , CD009642	5.2	112
330	The effect of anesthetic management during intra-arterial therapy for acute stroke in MR CLEAN. <i>Neurology</i> , 2016 , 87, 656-64	6.5	108
329	Effect of Intraoperative High Positive End-Expiratory Pressure (PEEP) With Recruitment Maneuvers vs Low PEEP on Postoperative Pulmonary Complications in Obese Patients: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 321, 2292-2305	27.4	104

328	Anesthesia [®] effects on plasma glucose and insulin and cardiac hexokinase at similar hemodynamics and without major surgical stress in fed rats. <i>Anesthesia and Analgesia</i> , 2008 , 106, 135-42, table of contents	3.9	102
327	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	35.1	101
326	Continuous intravenous perioperative lidocaine infusion for postoperative pain and recovery in adults. <i>The Cochrane Library</i> , 2018 , 6, CD009642	5.2	100
325	Effect of a Machine Learning-Derived Early Warning System for Intraoperative Hypotension vs Standard Care on Depth and Duration of Intraoperative Hypotension During Elective Noncardiac Surgery: The HYPE Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 1052-1060	27.4	99
324	Decision support increases guideline adherence for prescribing postoperative nausea and vomiting prophylaxis. <i>Anesthesia and Analgesia</i> , 2008 , 106, 893-8, table of contents	3.9	96
323	Epidemiological characteristics, practice of ventilation, and clinical outcome in patients at risk of acute respiratory distress syndrome in intensive care units from 16 countries (PRoVENT): an international, multicentre, prospective study. <i>Lancet Respiratory Medicine</i> , 2016 , 4, 882-893	35.1	94
322	Remote ischemic conditioning to protect against ischemia-reperfusion injury: a systematic review and meta-analysis. <i>PLoS ONE</i> , 2012 , 7, e42179	3.7	93
321	Perioperative Anesthesia Care and Tumor Progression. <i>Anesthesia and Analgesia</i> , 2017 , 124, 1697-1708	3.9	92
320	Local anesthetic inhibition of G protein-coupled receptor signaling by interference with G α (q) protein function. <i>Molecular Pharmacology</i> , 2001 , 59, 294-301	4.3	91
319	Local Anesthetic-Induced Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 339	6.3	89
318	Lidocaine time- and dose-dependently demethylates deoxyribonucleic acid in breast cancer cell lines in vitro. <i>British Journal of Anaesthesia</i> , 2012 , 109, 200-7	5.4	85
317	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	5.4	77
316	Direct Cardiac Actions of Sodium Glucose Cotransporter 2 Inhibitors Target Pathogenic Mechanisms Underlying Heart Failure in Diabetic Patients. <i>Frontiers in Physiology</i> , 2018 , 9, 1575	4.6	76
315	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	7.8	74
314	Severe toxic damage to the rabbit spinal cord after intrathecal administration of preservative-free S(+)-ketamine. <i>Anesthesiology</i> , 2006 , 105, 813-8	4.3	74
313	Local anaesthetics inhibit signalling of human NMDA receptors recombinantly expressed in <i>Xenopus laevis</i> oocytes: role of protein kinase C. <i>British Journal of Anaesthesia</i> , 2006 , 96, 77-87	5.4	73
312	Local anaesthetics: 10 essentials. <i>European Journal of Anaesthesiology</i> , 2014 , 31, 575-85	2.3	71
311	Hyperglycaemia blocks sevoflurane-induced postconditioning in the rat heart in vivo: cardioprotection can be restored by blocking the mitochondrial permeability transition pore. <i>British Journal of Anaesthesia</i> , 2008 , 100, 465-71	5.4	71

310	Time-dependent inhibition of G protein-coupled receptor signaling by local anesthetics. <i>Anesthesiology</i> , 2004 , 100, 852-60	4.3	71
309	Helium-induced preconditioning in young and old rat heart: impact of mitochondrial Ca(2+)-sensitive potassium channel activation. <i>Anesthesiology</i> , 2008 , 109, 830-6	4.3	71
308	Peripheral regional anaesthesia and outcome: lessons learned from the last 10 years. <i>British Journal of Anaesthesia</i> , 2015 , 114, 728-45	5.4	69
307	Empagliflozin and Dapagliflozin Reduce ROS Generation and Restore NO Bioavailability in Tumor Necrosis Factor β -stimulated Human Coronary Arterial Endothelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 865-886	3.9	69
306	Targeting hexokinase II to mitochondria to modulate energy metabolism and reduce ischaemia-reperfusion injury in heart. <i>British Journal of Pharmacology</i> , 2014 , 171, 2067-79	8.6	68
305	Reduction in hexokinase II levels results in decreased cardiac function and altered remodeling after ischemia/reperfusion injury. <i>Circulation Research</i> , 2011 , 108, 60-9	15.7	66
304	Patient controlled analgesia with remifentanyl versus epidural analgesia in labour: randomised multicentre equivalence trial. <i>BMJ, The</i> , 2015 , 350, h846	5.9	63
303	Deletion of the innate immune NLRP3 receptor abolishes cardiac ischemic preconditioning and is associated with decreased IL-6/STAT3 signaling. <i>PLoS ONE</i> , 2012 , 7, e40643	3.7	62
302	Paramedic versus emergency physician emergency medical service: role of the anaesthesiologist and the European versus the Anglo-American concept. <i>Current Opinion in Anaesthesiology</i> , 2008 , 21, 222-27	7.9	62
301	A multicenter, randomized controlled trial of immediate total-body CT scanning in trauma patients (REACT-2). <i>BMC Emergency Medicine</i> , 2012 , 12, 4	2.4	61
300	Disruption of hexokinase II-mitochondrial binding blocks ischemic preconditioning and causes rapid cardiac necrosis. <i>Circulation Research</i> , 2011 , 108, 1165-9	15.7	61
299	Consensus statement from the BJA Workshop on Cancer and Anaesthesia. <i>British Journal of Anaesthesia</i> , 2015 , 114, 2-3	5.4	59
298	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
297	Local anesthetic inhibition of m1 muscarinic acetylcholine signaling. <i>Anesthesiology</i> , 2000 , 93, 497-509	4.3	52
296	Local anesthetics attenuate lysophosphatidic acid-induced priming in human neutrophils. <i>Anesthesia and Analgesia</i> , 2001 , 92, 1041-7	3.9	51
295	The Science of Local Anesthesia: Basic Research, Clinical Application, and Future Directions. <i>Anesthesia and Analgesia</i> , 2018 , 126, 1381-1392	3.9	50
294	Receptors, G proteins, and their interactions. <i>Anesthesiology</i> , 2005 , 103, 1066-78	4.3	49
293	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	9.9	48

292	The LAS VEGAS risk score for prediction of postoperative pulmonary complications: An observational study. <i>European Journal of Anaesthesiology</i> , 2018 , 35, 691-701	2.3	47
291	Automated reminders increase adherence to guidelines for administration of prophylaxis for postoperative nausea and vomiting. <i>European Journal of Anaesthesiology</i> , 2010 , 27, 187-91	2.3	47
290	Ischemic preconditioning affects hexokinase activity and HKII in different subcellular compartments throughout cardiac ischemia-reperfusion. <i>Journal of Applied Physiology</i> , 2009 , 106, 1909-18	3.7	46
289	Altering Conventional to High Density Spinal Cord Stimulation: An Energy Dose-Response Relationship in Neuropathic Pain Therapy. <i>Neuromodulation</i> , 2017 , 20, 71-80	3.1	44
288	Lidocaine and ropivacaine, but not bupivacaine, demethylate deoxyribonucleic acid in breast cancer cells in vitro. <i>British Journal of Anaesthesia</i> , 2014 , 113 Suppl 1, i32-8	5.4	43
287	Nlrp3 plays no role in acute cardiac infarction due to low cardiac expression. <i>International Journal of Cardiology</i> , 2014 , 177, 41-3	3.2	42
286	Comparison and analysis of the animal models used to study the effect of morphine on tumour growth and metastasis. <i>British Journal of Pharmacology</i> , 2015 , 172, 251-9	8.6	41
285	Does regional analgesia for major surgery improve outcome? Focus on epidural analgesia. <i>Anesthesia and Analgesia</i> , 2014 , 119, 740-744	3.9	41
284	A preclinical mouse model of invasive lobular breast cancer metastasis. <i>Cancer Research</i> , 2013 , 73, 353-63	10.1	41
283	Optimizing anesthetic regimen for surgery in mice through minimization of hemodynamic, metabolic, and inflammatory perturbations. <i>Experimental Biology and Medicine</i> , 2014 , 239, 737-46	3.7	41
282	Efficacy, safety and pharmacokinetics of sugammadex 4 mg kg ⁻¹ for reversal of deep neuromuscular blockade in patients with severe renal impairment. <i>British Journal of Anaesthesia</i> , 2015 , 114, 777-84	5.4	40
281	Adverse side-effects of dexamethasone in surgical patients - an abridged Cochrane systematic review. <i>Anaesthesia</i> , 2019 , 74, 929-939	6.6	39
280	Rationale and study design of PROVHILO - a worldwide multicenter randomized controlled trial on protective ventilation during general anesthesia for open abdominal surgery. <i>Trials</i> , 2011 , 12, 111	2.8	39
279	Cellular effects of helium in different organs. <i>Anesthesiology</i> , 2010 , 112, 1503-10	4.3	38
278	Xenon induces late cardiac preconditioning in vivo: a role for cyclooxygenase 2?. <i>Anesthesia and Analgesia</i> , 2008 , 107, 1807-13	3.9	37
277	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	5.4	37
276	Impact of Anesthetic Regimen on Remote Ischemic Preconditioning in the Rat Heart In Vivo. <i>Anesthesia and Analgesia</i> , 2018 , 126, 1377-1380	3.9	36
275	Cyclosporine A administered during reperfusion fails to restore cardioprotection in prediabetic Zucker obese rats in vivo. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010 , 20, 706-12	4.5	36

274	Intraoperative ventilation settings and their associations with postoperative pulmonary complications in obese patients. <i>British Journal of Anaesthesia</i> , 2018 , 121, 899-908	5.4	36
273	Midazolam activates the intrinsic pathway of apoptosis independent of benzodiazepine and death receptor signaling. <i>Regional Anesthesia and Pain Medicine</i> , 2011 , 36, 343-9	3.4	35
272	The poor man's epidural: systemic local anesthetics for improving postoperative outcomes. <i>Medical Hypotheses</i> , 2004 , 63, 386-9	3.8	35
271	Inhibition of mammalian Gq protein function by local anesthetics. <i>Anesthesiology</i> , 2002 , 97, 1451-7	4.3	35
270	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	5.4	34
269	Preperitoneal or Subcutaneous Wound Catheters as Alternative for Epidural Analgesia in Abdominal Surgery: A Systematic Review and Meta-analysis. <i>Annals of Surgery</i> , 2019 , 269, 252-260	7.8	34
268	Impact of Mitochondrial Ca ²⁺ -Sensitive Potassium (mBKCa) Channels in Sildenafil-Induced Cardioprotection in Rats. <i>PLoS ONE</i> , 2015 , 10, e0144737	3.7	34
267	Age-related loss of cardiac preconditioning: impact of protein kinase A. <i>Experimental Gerontology</i> , 2012 , 47, 116-21	4.5	33
266	Helium-induced late preconditioning in the rat heart in vivo. <i>British Journal of Anaesthesia</i> , 2009 , 102, 614-9	5.4	33
265	Automated reminders decrease postoperative nausea and vomiting incidence in a general surgical population. <i>British Journal of Anaesthesia</i> , 2012 , 108, 961-5	5.4	33
264	Sevoflurane-induced preconditioning: impact of protocol and aprotinin administration on infarct size and endothelial nitric-oxide synthase phosphorylation in the rat heart in vivo. <i>Anesthesiology</i> , 2010 , 113, 1289-98	4.3	33
263	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	18.8	33
262	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	8.5	32
261	Helium-induced early preconditioning and postconditioning are abolished in obese Zucker rats in vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 600-7	4.7	32
260	Inhibition of m3 muscarinic acetylcholine receptors by local anaesthetics. <i>British Journal of Pharmacology</i> , 2001 , 133, 207-16	8.6	32
259	Effect of goal-directed therapy on outcome after esophageal surgery: A quality improvement study. <i>PLoS ONE</i> , 2017 , 12, e0172806	3.7	32
258	Epigenetics in the perioperative period. <i>British Journal of Pharmacology</i> , 2015 , 172, 2748-55	8.6	31
257	The influence of adjuvants used in regional anesthesia on lidocaine-induced neurotoxicity in vitro. <i>Regional Anesthesia and Pain Medicine</i> , 2011 , 36, 436-43	3.4	31

256	Safety and efficacy of epidural analgesia. <i>Current Opinion in Anaesthesiology</i> , 2017 , 30, 736-742	2.9	30
255	International multicentre review of perioperative management and outcome for catecholamine-producing tumours. <i>British Journal of Surgery</i> , 2020 , 107, e170-e178	5.3	30
254	NMDA Receptor Antagonist Ketamine Distorts Object Recognition by Reducing Feedback to Early Visual Cortex. <i>Cerebral Cortex</i> , 2016 , 26, 1986-96	5.1	29
253	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	8	29
252	Helium-induced cardioprotection of healthy and hypertensive rat myocardium in vivo. <i>European Journal of Pharmacology</i> , 2012 , 684, 125-31	5.3	27
251	Chronic Hiccups: An Underestimated Problem. <i>Anesthesia and Analgesia</i> , 2017 , 125, 1169-1183	3.9	27
250	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	2.8	26
249	Haematoma and abscess after neuraxial anaesthesia: a review of 647 cases. <i>British Journal of Anaesthesia</i> , 2018 , 120, 693-704	5.4	26
248	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	2.9	25
247	Pharmacological options to protect the aged heart from ischemia and reperfusion injury by targeting the PKA-BK(Ca) signaling pathway. <i>Experimental Gerontology</i> , 2014 , 56, 99-105	4.5	25
246	Ischaemic and morphine-induced post-conditioning: impact of mK(Ca) channels. <i>British Journal of Anaesthesia</i> , 2010 , 105, 589-95	5.4	25
245	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , 2018 , 11, CD011940	5.2	24
244	Local anesthetic-induced inhibition of human neutrophil priming: the influence of structure, lipophilicity, and charge. <i>Regional Anesthesia and Pain Medicine</i> , 2013 , 38, 9-15	3.4	23
243	Helium induces preconditioning in human endothelium in vivo. <i>Anesthesiology</i> , 2013 , 118, 95-104	4.3	23
242	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	2.8	22
241	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	8	21
240	Peri-operative management of patients with type-2 diabetes mellitus undergoing non-cardiac surgery using liraglutide, glucose-insulin-potassium infusion or intravenous insulin bolus regimens: a randomised controlled trial. <i>Anaesthesia</i> , 2018 , 73, 332-339	6.6	21
239	Assessment of pulmonary oxygen toxicity: relevance to professional diving; a review. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 189, 117-28	2.8	21

238	Postconditioning by xenon and hypothermia in the rat heart in vivo. <i>European Journal of Anaesthesiology</i> , 2010 , 27, 734-9	2.3	21
237	Clinical features and prognostic factors in Covid-19: A prospective cohort study. <i>EBioMedicine</i> , 2021 , 67, 103378	8.8	21
236	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	3.1	20
235	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	2.3	20
234	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	11.8	20
233	Cardioprotection by Remote Ischemic Preconditioning is Blocked in the Aged Rat Heart in Vivo. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 1223-1226	2.1	20
232	Noble gases as cardioprotectants - translatability and mechanism. <i>British Journal of Pharmacology</i> , 2015 , 172, 2062-73	8.6	20
231	Cardioprotection by Humoral Factors Released After Remote Ischemic Preconditioning Depends on Anesthetic Regimen. <i>Critical Care Medicine</i> , 2019 , 47, e250-e255	1.4	20
230	Optimal postoperative pain management: redefining the role for opioids. <i>Lancet, The</i> , 2019 , 393, 1483-1485	14.85	19
229	Effects of early and late diabetic neuropathy on sciatic nerve block duration and neurotoxicity in Zucker diabetic fatty rats. <i>British Journal of Anaesthesia</i> , 2015 , 114, 319-26	5.4	19
228	Hexokinase cellular trafficking in ischemia-reperfusion and ischemic preconditioning is altered in type I diabetic heart. <i>Molecular Biology Reports</i> , 2013 , 40, 4153-60	2.8	19
227	Morphine induces preconditioning via activation of mitochondrial K(Ca) channels. <i>Canadian Journal of Anaesthesia</i> , 2010 , 57, 767-73	3	19
226	Lidocaine enhances Galphai protein function. <i>Anesthesiology</i> , 2003 , 99, 1093-101	4.3	19
225	Morphine-Induced Preconditioning: Involvement of Protein Kinase A and Mitochondrial Permeability Transition Pore. <i>PLoS ONE</i> , 2016 , 11, e0151025	3.7	19
224	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	3.9	19
223	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	5.4	18
222	Intraoperative Fluid Restriction in Pancreatic Surgery: A Double Blinded Randomised Controlled Trial. <i>PLoS ONE</i> , 2015 , 10, e0140294	3.7	18
221	Acetaminophen or Nonsteroidal Anti-Inflammatory Drugs in Acute Musculoskeletal Trauma: A Multicenter, Double-Blind, Randomized, Clinical Trial. <i>Annals of Emergency Medicine</i> , 2018 , 71, 357-368	2.18	17

220	Emergency Department Pain Management in Adult Patients With Traumatic Injuries Before and After Implementation of a Nurse-Initiated Pain Treatment Protocol Utilizing Fentanyl for Severe Pain. <i>Journal of Emergency Medicine</i> , 2017 , 52, 417-425	1.5	17
219	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , 2018 , 8, CD011940	5.2	17
218	Melatonin Receptor Agonist Ramelteon Reduces Ischemia-Reperfusion Injury Through Activation of Mitochondrial Potassium Channels. <i>Journal of Cardiovascular Pharmacology</i> , 2018 , 72, 106-111	3.1	17
217	Preconditioning by Levosimendan is Mediated by Activation of Mitochondrial Ca-Sensitive Potassium (mBK) Channels. <i>Cardiovascular Drugs and Therapy</i> , 2018 , 32, 427-434	3.9	16
216	Presumed β -Lactam Allergy and Cross-reactivity in the Operating Theater: A Practical Approach. <i>Anesthesiology</i> , 2018 , 129, 335-342	4.3	16
215	The regulation of mitochondrial respiration by opening of mKCa channels is age-dependent. <i>European Journal of Pharmacology</i> , 2008 , 578, 108-13	5.3	16
214	Characteristics of Dexmedetomidine Postconditioning in the Field of Myocardial Ischemia-Reperfusion Injury. <i>Anesthesia and Analgesia</i> , 2020 , 130, 90-98	3.9	16
213	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	3.9	16
212	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	8.9	15
211	Newer propofol, ketamine, and etomidate derivatives and delivery systems relevant to anesthesia practice. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2018 , 32, 213-221	4	15
210	Hypoxia induces late preconditioning in the rat heart in vivo. <i>Anesthesiology</i> , 2010 , 113, 1351-60	4.3	15
209	Epidural anesthesia prevents hypercoagulation in patients undergoing major orthopedic surgery. <i>Regional Anesthesia and Pain Medicine</i> , 2001 , 26, 215-22	3.4	15
208	Assessment of skin temperature during regional anaesthesia-What the anaesthesiologist should know. <i>Acta Anaesthesiologica Scandinavica</i> , 2018 , 62, 1280-1289	1.9	15
207	Milrinone-Induced Pharmacological Preconditioning in Cardioprotection: Hints for a Role of Mitochondrial Mechanisms. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	14
206	MiR-34a is differentially expressed in dorsal root ganglia in a rat model of chronic neuropathic pain. <i>Neuroscience Letters</i> , 2019 , 708, 134365	3.3	14
205	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, 1116-21	3.3	14
204	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	3.2	14
203	Systematic review of incretin therapy during peri-operative and intensive care. <i>Critical Care</i> , 2018 , 22, 299	10.8	14

202	Helium postconditioning regulates expression of caveolin-1 and -3 and induces RISK pathway activation after ischaemia/reperfusion in cardiac tissue of rats. <i>European Journal of Pharmacology</i> , 2016 , 791, 718-725	5.3	13
201	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	5	13
200	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, 745-52	2.9	13
199	Reduction of cardiac cell death after helium postconditioning in rats: transcriptional analysis of cell death and survival pathways. <i>Molecular Medicine</i> , 2015 , 20, 516-26	6.2	13
198	The effect of standard chow and reduced hexokinase II on growth, cardiac and skeletal muscle hexokinase and low-flow cardiac ischaemia-reperfusion injury. <i>Laboratory Animals</i> , 2011 , 45, 160-6	2.6	13
197	Perioperative Hyperoxyphobia: Justified or Not? Benefits and Harms of Hyperoxia during Surgery. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	12
196	Cerebral oxygenation during changes in vascular resistance and flow in patients on cardiopulmonary bypass - a physiological proof of concept study. <i>Anaesthesia</i> , 2017 , 72, 49-56	6.6	12
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186	Targets Involved in Cardioprotection by the Non-Anesthetic Noble Gas Helium. <i>Current Drug Targets</i> , 2015 , 16, 786-92	3	10
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