

# Benedikt Preckel

## List of Publications by Citations

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215  
papers

4,263  
citations

36  
h-index

55  
g-index

253  
ext. papers

4,938  
ext. citations

4  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
215	Isoflurane preconditions myocardium against infarction via release of free radicals. <i>Anesthesiology</i> , <b>2002</b> , 96, 934-40	4.3	162
214	The influence of mitochondrial KATP-channels in the cardioprotection of preconditioning and postconditioning by sevoflurane in the rat in vivo. <i>Anesthesia and Analgesia</i> , <b>2005</b> , 101, 1252-1260	3.9	140
213	Perioperative strategy in colonic surgery; LAparoscopy and/or FAst track multimodal management versus standard care (LAFA trial). <i>BMC Surgery</i> , <b>2006</b> , 6, 16	2.3	120
212	The noble gas xenon induces pharmacological preconditioning in the rat heart in vivo via induction of PKC-epsilon and p38 MAPK. <i>British Journal of Pharmacology</i> , <b>2005</b> , 144, 123-32	8.6	118
211	Molecular mechanisms transducing the anesthetic, analgesic, and organ-protective actions of xenon. <i>Anesthesiology</i> , <b>2006</b> , 105, 187-97	4.3	113
210	Effects of enflurane, isoflurane, sevoflurane and desflurane on reperfusion injury after regional myocardial ischaemia in the rabbit heart in vivo. <i>British Journal of Anaesthesia</i> , <b>1998</b> , 81, 905-12	5.4	111
209	Xenon administration during early reperfusion reduces infarct size after regional ischemia in the rabbit heart in vivo. <i>Anesthesia and Analgesia</i> , <b>2000</b> , 91, 1327-32	3.9	93
208	Remote ischemic conditioning to protect against ischemia-reperfusion injury: a systematic review and meta-analysis. <i>PLoS ONE</i> , <b>2012</b> , 7, e42179	3.7	93
207	One MAC of sevoflurane provides protection against reperfusion injury in the rat heart in vivo. <i>British Journal of Anaesthesia</i> , <b>2001</b> , 87, 905-11	5.4	87
206	Effects of halothane, enflurane, isoflurane, sevoflurane and desflurane on myocardial reperfusion injury in the isolated rat heart. <i>British Journal of Anaesthesia</i> , <b>1998</b> , 81, 913-9	5.4	81
205	Value of single-injection or continuous sciatic nerve block in addition to a continuous femoral nerve block in patients undergoing total knee arthroplasty: a prospective, randomized, controlled trial. <i>Regional Anesthesia and Pain Medicine</i> , <b>2011</b> , 36, 481-8	3.4	76
204	Desflurane preconditioning induces time-dependent activation of protein kinase C epsilon and extracellular signal-regulated kinase 1 and 2 in the rat heart in vivo. <i>Anesthesiology</i> , <b>2004</b> , 101, 1372-80	4.3	76
203	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> , <b>2008</b> , 100, 465-71	5.4	71
202	Helium-induced preconditioning in young and old rat heart: impact of mitochondrial Ca(2+)-sensitive potassium channel activation. <i>Anesthesiology</i> , <b>2008</b> , 109, 830-6	4.3	71
201	Ketamine, but not S(+)-ketamine, blocks ischemic preconditioning in rabbit hearts in vivo. <i>Anesthesiology</i> , <b>2001</b> , 94, 630-6	4.3	70
200	Small bowel obstruction, incisional hernia and survival after laparoscopic and open colonic resection (LAFA study). <i>British Journal of Surgery</i> , <b>2014</b> , 101, 1153-9	5.3	69
199	Empagliflozin and Dapagliflozin Reduce ROS Generation and Restore NO Bioavailability in Tumor Necrosis Factor $\beta$ -stimulated Human Coronary Arterial Endothelial Cells. <i>Cellular Physiology and Biochemistry</i> , <b>2019</b> , 53, 865-886	3.9	69

198	Impact of preconditioning protocol on anesthetic-induced cardioprotection in patients having coronary artery bypass surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 137, 1436-42, 1442-41-2	1.5	60
197	Mechanisms of xenon- and isoflurane-induced preconditioning - a potential link to the cytoskeleton via the MAPKAPK-2/HSP27 pathway. <i>British Journal of Pharmacology</i> , <b>2005</b> , 146, 445-55	8.6	59
196	Effect of propofol on reperfusion injury after regional ischaemia in the isolated rat heart. <i>British Journal of Anaesthesia</i> , <b>1999</b> , 83, 903-8	5.4	57
195	Xenon preconditioning differently regulates p44/42 MAPK (ERK 1/2) and p46/54 MAPK (JNK 1/2 and 3) in vivo. <i>British Journal of Anaesthesia</i> , <b>2006</b> , 97, 298-306	5.4	45
194	Effect of acute hyperglycaemia and diabetes mellitus with and without short-term insulin treatment on myocardial ischaemic late preconditioning in the rabbit heart in vivo. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2003</b> , 446, 175-82	4.6	43
193	Xenon produces minimal haemodynamic effects in rabbits with chronically compromised left ventricular function. <i>British Journal of Anaesthesia</i> , <b>2002</b> , 88, 264-9	5.4	43
192	Inotropic effects of glyceryl trinitrate and spontaneous NO donors in the dog heart. <i>Circulation</i> , <b>1997</b> , 96, 2675-82	16.7	43
191	Pharmacology of modern volatile anaesthetics. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2005</b> , 19, 331-48	4	42
190	Does regional analgesia for major surgery improve outcome? Focus on epidural analgesia. <i>Anesthesia and Analgesia</i> , <b>2014</b> , 119, 740-744	3.9	41
189	Sevoflurane confers additional cardioprotection after ischemic late preconditioning in rabbits. <i>Anesthesiology</i> , <b>2003</b> , 99, 624-31	4.3	41
188	Effect of acidotic blood reperfusion on reperfusion injury after coronary artery occlusion in the dog heart. <i>Journal of Cardiovascular Pharmacology</i> , <b>1998</b> , 31, 179-86	3.1	41
187	Morphine induces late cardioprotection in rat hearts in vivo: the involvement of opioid receptors and nuclear transcription factor kappaB. <i>Anesthesia and Analgesia</i> , <b>2005</b> , 101, 934-941	3.9	40
186	Adverse side-effects of dexamethasone in surgical patients - an abridged Cochrane systematic review. <i>Anaesthesia</i> , <b>2019</b> , 74, 929-939	6.6	39
185	Halothane reduces reperfusion injury after regional ischaemia in the rabbit heart in vivo. <i>British Journal of Anaesthesia</i> , <b>1997</b> , 79, 88-96	5.4	38
184	Upstream signaling of protein kinase C-epsilon in xenon-induced pharmacological preconditioning. Implication of mitochondrial adenosine triphosphate dependent potassium channels and phosphatidylinositol-dependent kinase-1. <i>European Journal of Pharmacology</i> , <b>2006</b> , 539, 1-9	5.3	38
183	Cellular effects of helium in different organs. <i>Anesthesiology</i> , <b>2010</b> , 112, 1503-10	4.3	38
182	Xenon induces late cardiac preconditioning in vivo: a role for cyclooxygenase 2?. <i>Anesthesia and Analgesia</i> , <b>2008</b> , 107, 1807-13	3.9	37
181	Effects of nitrous oxide on the rat heart in vivo: another inhalational anesthetic that preconditions the heart?. <i>Anesthesiology</i> , <b>2005</b> , 103, 1174-82	4.3	37

180	Cyclosporine A administered during reperfusion fails to restore cardioprotection in prediabetic Zucker obese rats in vivo. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2010</b> , 20, 706-12	4-5	36
179	The effect of anaesthetics on the myocardium--new insights into myocardial protection. <i>European Journal of Anaesthesiology</i> , <b>2005</b> , 22, 647-57	2-3	35
178	Age-related loss of cardiac preconditioning: impact of protein kinase A. <i>Experimental Gerontology</i> , <b>2012</b> , 47, 116-21	4-5	33
177	Helium-induced late preconditioning in the rat heart in vivo. <i>British Journal of Anaesthesia</i> , <b>2009</b> , 102, 614-9	5-4	33
176	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> , <b>2010</b> , 113, 1289-98	4-3	33
175	Helium-induced early preconditioning and postconditioning are abolished in obese Zucker rats in vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2009</b> , 329, 600-7	4-7	32
174	Thiopentone does not block ischemic preconditioning in the isolated rat heart. <i>Canadian Journal of Anaesthesia</i> , <b>2001</b> , 48, 784-9	3	32
173	Effect of goal-directed therapy on outcome after esophageal surgery: A quality improvement study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172806	3-7	32
172	Hypoxia-inducible factor 1 and related gene products in anaesthetic-induced preconditioning. <i>European Journal of Anaesthesiology</i> , <b>2009</b> , 26, 201-6	2-3	30
171	Role of protein kinase C-epsilon (PKCepsilon) in isoflurane-induced cardioprotection. <i>British Journal of Anaesthesia</i> , <b>2005</b> , 94, 166-73	5-4	30
170	The direct myocardial effects of xenon in the dog heart in vivo. <i>Anesthesia and Analgesia</i> , <b>2002</b> , 94, 545-51; table of contents	3-9	29
169	Cardioprotection by remote ischemic preconditioning exhibits a signaling pattern different from local ischemic preconditioning. <i>Shock</i> , <b>2011</b> , 36, 45-53	3-4	28
168	Helium-induced cardioprotection of healthy and hypertensive rat myocardium in vivo. <i>European Journal of Pharmacology</i> , <b>2012</b> , 684, 125-31	5-3	27
167	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
166	Setting priorities for improving the preoperative assessment clinic: the patients' and the professionals' perspective. <i>British Journal of Anaesthesia</i> , <b>2008</b> , 100, 322-6	5-4	27
165	Cardioprotection against reperfusion injury is maximal with only two minutes of sevoflurane administration in rats. <i>Canadian Journal of Anaesthesia</i> , <b>2003</b> , 50, 940-5	3	26
164	Effects of ketamine and its isomers on ischemic preconditioning in the isolated rat heart. <i>Anesthesiology</i> , <b>2001</b> , 94, 623-9; discussion 5A-6A	4-3	26
163	Ischaemic and morphine-induced post-conditioning: impact of mK(Ca) channels. <i>British Journal of Anaesthesia</i> , <b>2010</b> , 105, 589-95	5-4	25

162	Effect of sevoflurane preconditioning on ischaemia/reperfusion injury in the rat kidney in vivo. <i>European Journal of Anaesthesiology</i> , <b>2006</b> , 23, 319-26	2.3	24
161	Intermittent pharmacologic pretreatment by xenon, isoflurane, nitrous oxide, and the opioid morphine prevents tumor necrosis factor alpha-induced adhesion molecule expression in human umbilical vein endothelial cells. <i>Anesthesiology</i> , <b>2008</b> , 108, 199-207	4.3	24
160	Perioperative hyperglycemia and neurocognitive outcome after surgery: a systematic review. <i>Minerva Anestesiologica</i> , <b>2018</b> , 84, 1178-1188	1.9	24
159	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , <b>2018</b> , 11, CD011940	5.2	24
158	Information gain in patients using a multimedia website with tailored information on anaesthesia. <i>British Journal of Anaesthesia</i> , <b>2011</b> , 106, 319-24	5.4	23
157	Simulation to analyse planning difficulties at the preoperative assessment clinic. <i>British Journal of Anaesthesia</i> , <b>2008</b> , 100, 195-202	5.4	23
156	Beneficial effects of sevoflurane and desflurane against myocardial reperfusion injury after cardioplegic arrest. <i>Canadian Journal of Anaesthesia</i> , <b>1999</b> , 46, 1076-81	3	23
155	Helium induces preconditioning in human endothelium in vivo. <i>Anesthesiology</i> , <b>2013</b> , 118, 95-104	4.3	23
154	Long-term pain and functional disability after total knee arthroplasty with and without single-injection or continuous sciatic nerve block in addition to continuous femoral nerve block: a prospective, 1-year follow-up of a randomized controlled trial. <i>Regional Anesthesia and Pain Medicine</i> , <b>2013</b> , 38, 58-63	3.4	22
153	Late Preconditioning is Blocked by Racemic Ketamine, But Not by S(+)-Ketamine. <i>Anesthesia and Analgesia</i> , <b>2001</b> , 93, 265-270	3.9	22
152	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> , <b>2018</b> , 73, 332-339	6.6	21
151	Postconditioning by xenon and hypothermia in the rat heart in vivo. <i>European Journal of Anaesthesiology</i> , <b>2010</b> , 27, 734-9	2.3	21
150	Plasma from human volunteers subjected to remote ischemic preconditioning protects human endothelial cells from hypoxia-induced cell damage. <i>Basic Research in Cardiology</i> , <b>2015</b> , 110, 17	11.8	20
149	Noble gases as cardioprotectants - translatability and mechanism. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 2062-73	8.6	20
148	Use of buprenorphine in children with chronic pseudoobstruction syndrome: case series and review of literature. <i>Clinical Journal of Pain</i> , <b>2012</b> , 28, 722-5	3.5	20
147	Update on inhalational anaesthetics. <i>Current Opinion in Anaesthesiology</i> , <b>2009</b> , 22, 491-5	2.9	20
146	Spatial heterogeneity of energy turnover in the heart. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2001</b> , 441, 663-73	4.6	20
145	Morphine induces preconditioning via activation of mitochondrial K(Ca) channels. <i>Canadian Journal of Anaesthesia</i> , <b>2010</b> , 57, 767-73	3	19

144	Effect of lidocaine on ischaemic preconditioning in isolated rat heart. <i>British Journal of Anaesthesia</i> , <b>2004</b> , 93, 698-704	5.4	19
143	Intraoperative Fluid Restriction in Pancreatic Surgery: A Double Blinded Randomised Controlled Trial. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140294	3.7	18
142	Lidocaine reduces ischaemic but not reperfusion injury in isolated rat heart. <i>British Journal of Anaesthesia</i> , <b>2001</b> , 86, 846-52	5.4	17
141	Cardioprotection by sevoflurane against reperfusion injury after cardioplegic arrest in the rat is independent of three types of cardioplegia. <i>British Journal of Anaesthesia</i> , <b>2002</b> , 88, 828-35	5.4	17
140	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , <b>2018</b> , 8, CD011940	5.2	17
139	The regulation of mitochondrial respiration by opening of mKCa channels is age-dependent. <i>European Journal of Pharmacology</i> , <b>2008</b> , 578, 108-13	5.3	16
138	Novel Anti-inflammatory Effects of Canagliflozin Involving Hexokinase II in Lipopolysaccharide-Stimulated Human Coronary Artery Endothelial Cells. <i>Cardiovascular Drugs and Therapy</i> , <b>2021</b> , 35, 1083-1094	3.9	16
137	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
136	Newer propofol, ketamine, and etomidate derivatives and delivery systems relevant to anesthesia practice. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2018</b> , 32, 213-221	4	15
135	Effect of remote ischemic conditioning on atrial fibrillation and outcome after coronary artery bypass grafting (RICO-trial). <i>BMC Anesthesiology</i> , <b>2011</b> , 11, 11	2.4	15
134	Hypoxia induces late preconditioning in the rat heart in vivo. <i>Anesthesiology</i> , <b>2010</b> , 113, 1351-60	4.3	15
133	Inert gases as the future inhalational anaesthetics?. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2005</b> , 19, 365-79	4	15
132	Additive protective effects of late and early ischaemic preconditioning are mediated by the opening of KATP channels in vivo. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2001</b> , 442, 178-87	4.6	15
131	Enflurane and Isoflurane, but Not Halothane, Protect Against Myocardial Reperfusion Injury after Cardioplegic Arrest with HTK Solution in the Isolated Rat Heart. <i>Anesthesia and Analgesia</i> , <b>1998</b> , 87, 1221-227	3.9	15
130	Systematic review of incretin therapy during peri-operative and intensive care. <i>Critical Care</i> , <b>2018</b> , 22, 299	10.8	14
129	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> , <b>2016</b> , 791, 718-725	5.3	13
128	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> , <b>2014</b> , 18, 745-52	2.9	13
127	Reduction of cardiac cell death after helium postconditioning in rats: transcriptional analysis of cell death and survival pathways. <i>Molecular Medicine</i> , <b>2015</b> , 20, 516-26	6.2	13

126	Blockade of anaesthetic-induced preconditioning in the hyperglycaemic myocardium: the regulation of different mitogen-activated protein kinases. <i>European Journal of Pharmacology</i> , <b>2008</b> , 592, 48-54	5.3	13
125	Remote wireless vital signs monitoring on the ward for early detection of deteriorating patients: A case series. <i>International Journal of Nursing Studies</i> , <b>2020</b> , 104, 103515	5.8	13
124	Satisfaction and safety using dexmedetomidine or propofol sedation during endoscopic oesophageal procedures: A randomised controlled trial. <i>European Journal of Anaesthesiology</i> , <b>2016</b> , 33, 631-7	2.3	13
123	Perioperative Hyperoxyphobia: Justified or Not? Benefits and Harms of Hyperoxia during Surgery. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	12
122	Cerebral oxygenation during changes in vascular resistance and flow in patients on cardiopulmonary bypass - a physiological proof of concept study. <i>Anaesthesia</i> , <b>2017</b> , 72, 49-56	6.6	12
121	Safety and effectiveness using dexmedetomidine versus propofol TCI sedation during oesophagus interventions: a randomized trial. <i>BMC Gastroenterology</i> , <b>2013</b> , 13, 176	3	12
120	Value of an electronic tutorial for image interpretation in ultrasound-guided regional anesthesia. <i>Regional Anesthesia and Pain Medicine</i> , <b>2013</b> , 38, 44-9	3.4	11
119	Drugs mediating myocardial protection. <i>European Journal of Anaesthesiology</i> , <b>2009</b> , 26, 985-95	2.3	11
118	Patient Experiences with the Preoperative Assessment Clinic (PEPAC): validation of an instrument to measure patient experiences. <i>British Journal of Anaesthesia</i> , <b>2007</b> , 99, 666-72	5.4	11
117	Haemodynamic changes during halothane, sevoflurane and desflurane anaesthesia in dogs before and after the induction of severe heart failure. <i>European Journal of Anaesthesiology</i> , <b>2004</b> , 21, 797-806	2.3	11
116	Effect of dantrolene in an in vivo and in vitro model of myocardial reperfusion injury. <i>Acta Anaesthesiologica Scandinavica</i> , <b>2000</b> , 44, 194-201	1.9	11
115	Influence of the angiotensin II AT1 receptor antagonist irbesartan on ischemia/reperfusion injury in the dog heart. <i>Basic Research in Cardiology</i> , <b>2000</b> , 95, 404-12	11.8	11
114	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> , <b>2021</b> , 22,	6.3	11
113	Effects of combined helium pre/post-conditioning on the brain and heart in a rat resuscitation model. <i>Acta Anaesthesiologica Scandinavica</i> , <b>2018</b> , 62, 63-74	1.9	11
112	A randomized trial of remote ischemic preconditioning and control treatment for cardioprotection in sevoflurane-anesthetized CABG patients. <i>BMC Anesthesiology</i> , <b>2017</b> , 17, 51	2.4	10
111	Effects of helium on inflammatory and oxidative stress-induced endothelial cell damage. <i>Experimental Cell Research</i> , <b>2015</b> , 337, 37-43	4.2	10
110	Peri-operative continuation of metformin does not improve glycaemic control in patients with type 2 diabetes: A randomized controlled trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 749-752	6.7	10
109	Ischemic preconditioning phosphorylates mitogen-activated kinases and heat shock protein 27 in the diabetic rat heart. <i>Hormone and Metabolic Research</i> , <b>2009</b> , 41, 10-5	3.1	10

108	Left stellate ganglion block has only small effects on left ventricular function in awake dogs before and after induction of heart failure. <i>Anesthesia and Analgesia</i> , <b>2000</b> , 91, 787-92	3.9	10
107	Targets Involved in Cardioprotection by the Non-Anesthetic Noble Gas Helium. <i>Current Drug Targets</i> , <b>2015</b> , 16, 786-92	3	10
106	Liraglutide for perioperative management of hyperglycaemia in cardiac surgery patients: a multicentre randomized superiority trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2020</b> , 22, 557-565	6.7	10
105	Helium-Induced Changes in Circulating Caveolin in Mice Suggest a Novel Mechanism of Cardiac Protection. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	9
104	The potential of heliox as a therapy for acute respiratory distress syndrome in adults and children: a descriptive review. <i>Respiration</i> , <b>2015</b> , 89, 166-74	3.7	9
103	The emergency paediatric surgical airway: A systematic review. <i>European Journal of Anaesthesiology</i> , <b>2018</b> , 35, 558-565	2.3	9
102	Safety of moderate-to-deep sedation performed by sedation practitioners: A national prospective observational study. <i>European Journal of Anaesthesiology</i> , <b>2018</b> , 35, 659-666	2.3	9
101	Role of Endogenous Opioid System in Ischemic-Induced Late Preconditioning. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134283	3.7	9
100	Heliox Improves Carbon Dioxide Removal during Lung Protective Mechanical Ventilation. <i>Critical Care Research and Practice</i> , <b>2014</b> , 2014, 954814	1.5	9
99	Pretreatment with helium does not attenuate liver injury after warm ischemia-reperfusion. <i>Shock</i> , <b>2014</b> , 41, 413-9	3.4	9
98	Role of tyrosine kinase in desflurane-induced preconditioning. <i>Anesthesiology</i> , <b>2004</b> , 100, 555-61	4.3	9
97	Can isoflurane mimic ischaemic preconditioning in isolated rat heart?. <i>British Journal of Anaesthesia</i> , <b>2001</b> , 86, 269-71	5.4	9
96	Xenon increases total body oxygen consumption during isoflurane anaesthesia in dogs. <i>British Journal of Anaesthesia</i> , <b>2002</b> , 88, 546-54	5.4	9
95	Gaseous mediators: an updated review on the effects of helium beyond blowing up balloons. <i>Intensive Care Medicine Experimental</i> , <b>2019</b> , 7, 73	3.7	9
94	The effectiveness of a low-dose esketamine versus an alfentanil adjunct to propofol sedation during endoscopic retrograde cholangiopancreatography: A randomised controlled multicentre trial. <i>European Journal of Anaesthesiology</i> , <b>2020</b> , 37, 394-401	2.3	9
93	Effect of helium pre- or postconditioning on signal transduction kinases in patients undergoing coronary artery bypass graft surgery. <i>Journal of Translational Medicine</i> , <b>2016</b> , 14, 294	8.5	9
92	Perioperative Hyperglycemia and Glucose Variability in Gynecologic Laparotomies. <i>Journal of Diabetes Science and Technology</i> , <b>2015</b> , 10, 145-50	4.1	8
91	Perioperative Cardioprotection: Clinical Implications. <i>Anesthesia and Analgesia</i> , <b>2020</b> , 131, 1751-1764	3.9	8

90	Study protocol of the randomised placebo-controlled GLOBE trial: P-1 for ridding of hyperglycemia during cardiac surgery. <i>BMJ Open</i> , <b>2018</b> , 8, e022189	3	8
89	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> , <b>2018</b> , 73, 1489-1499	6.6	8
88	Empagliflozin reduces oxidative stress through inhibition of the novel inflammation/NHE/[Na]/ROS-pathway in human endothelial cells. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 146, 112515	7.5	8
87	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> , <b>2020</b> , 34, 1285-1293	7.2	8
86	Helium alters the cytoskeleton and decreases permeability in endothelial cells cultured in vitro through a pathway involving Caveolin-1. <i>Scientific Reports</i> , <b>2018</b> , 8, 4768	4.9	7
85	The effect of requesting a reason for non-adherence to a guideline in a long running automated reminder system for PONV prophylaxis. <i>Applied Clinical Informatics</i> , <b>2017</b> , 8, 313-321	3.1	7
84	Analgesia without sedatives during colonoscopies: worth considering?. <i>Techniques in Coloproctology</i> , <b>2012</b> , 16, 271-6	2.9	7
83	Heliox allows for lower minute volume ventilation in an animal model of ventilator-induced lung injury. <i>PLoS ONE</i> , <b>2013</b> , 8, e78159	3.7	7
82	Sedation with propofol during ERCP: is the combination with esketamine more effective and safer than with alfentanil? Study protocol for a randomized controlled trial. <i>Trials</i> , <b>2017</b> , 18, 472	2.8	6
81	Very Long-Chain Acyl-Coenzyme A Dehydrogenase Deficiency and Perioperative Management in Adult Patients. <i>JIMD Reports</i> , <b>2017</b> , 34, 49-54	1.9	6
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