

# Benedikt Preckel

## List of Publications by Year in descending order

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222  
papers

5,798  
citations

81900

39  
h-index

118850

62  
g-index

253  
all docs

253  
docs citations

253  
times ranked

4167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isoflurane Preconditions Myocardium against Infarction via Release of Free Radicals. <i>Anesthesiology</i> , 2002, 96, 934-940.	2.5	170
2	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> , 2005, 101, 1252-1260.	2.2	152
3	Perioperative strategy in colonic surgery; LA paroscopy and/or FA st track multimodal management versus standard care (LAFA trial). <i>BMC Surgery</i> , 2006, 6, 16.	1.3	148
4	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> , 2005, 144, 123-132.	5.4	144
5	Molecular Mechanisms Transducing the Anesthetic, Analgesic, and Organ-protective Actions of Xenon. <i>Anesthesiology</i> , 2006, 105, 187-197.	2.5	142
6	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> , 1998, 81, 905-912.	3.4	130
7	Empagliflozin and Dapagliflozin Reduce ROS Generation and Restore NO Bioavailability in Tumor Necrosis Factor $\alpha$ -Stimulated Human Coronary Arterial Endothelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2019, 53, 865-886.	1.6	120
8	One MAC of sevoflurane provides protection against reperfusion injury in the rat heart in vivo. <i>British Journal of Anaesthesia</i> , 2001, 87, 905-911.	3.4	110
9	Xenon Administration During Early Reperfusion Reduces Infarct Size After Regional Ischemia in the Rabbit Heart In Vivo. <i>Anesthesia and Analgesia</i> , 2000, 91, 1327-1332.	2.2	107
10	Remote Ischemic Conditioning to Protect against Ischemia-Reperfusion Injury: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2012, 7, e42179.	2.5	106
11	Effects of halothane, enflurane, isoflurane, sevoflurane and desflurane on myocardial reperfusion injury in the isolated rat heart. <i>British Journal of Anaesthesia</i> , 1998, 81, 913-919.	3.4	100
12	Value of Single-Injection or Continuous Sciatic Nerve Block in Addition to a Continuous Femoral Nerve Block in Patients Undergoing Total Knee Arthroplasty. <i>Regional Anesthesia and Pain Medicine</i> , 2011, 36, 481-488.	2.3	89
13	Ketamine, but Not S $\hat{A}$ (+)-ketamine, Blocks Ischemic Preconditioning in Rabbit Hearts In Vivo. <i>Anesthesiology</i> , 2001, 94, 630-636.	2.5	83
14	Small bowel obstruction, incisional hernia and survival after laparoscopic and open colonic resection (LAFA study). <i>British Journal of Surgery</i> , 2014, 101, 1153-1159.	0.3	83
15	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> , 2004, 101, 1372-1380.	2.5	80
16	Adverse side effects of dexamethasone in surgical patients – an abridged Cochrane systematic review. <i>Anaesthesia</i> , 2019, 74, 929-939.	3.8	79
17	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, 465-471.	3.4	78
18	Helium-induced Preconditioning in Young and Old Rat Heart. <i>Anesthesiology</i> , 2008, 109, 830-836.	2.5	78

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19	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
20	Impact of preconditioning protocol on anesthetic-induced cardioprotection in patients having coronary artery bypass surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, 1436-1442.e2.	0.8	71
21	Effect of propofol on reperfusion injury after regional ischaemia in the isolated rat heart. <i>British Journal of Anaesthesia</i> , 1999, 83, 903-908.	3.4	70
22	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> , 2005, 146, 445-455.	5.4	70
23	Pharmacology of modern volatile anaesthetics. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2005, 19, 331-348.	4.0	61
24	Inotropic Effects of Glyceryl Trinitrate and Spontaneous NO Donors in the Dog Heart. <i>Circulation</i> , 1997, 96, 2675-2682.	1.6	59
25	Xenon produces minimal haemodynamic effects in rabbits with chronically compromised left ventricular function. <i>British Journal of Anaesthesia</i> , 2002, 88, 264-269.	3.4	53
26	Does Regional Analgesia for Major Surgery Improve Outcome? Focus on Epidural Analgesia. <i>Anesthesia and Analgesia</i> , 2014, 119, 740-744.	2.2	53
27	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> , 2006, 97, 298-306.	3.4	51
28	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>Pflügers Archiv European Journal of Physiology</i> , 2003, 446, 175-182.	2.8	49
29	Morphine Induces Late Cardioprotection in Rat Hearts In Vivo: The Involvement of Opioid Receptors and Nuclear Transcription Factor $\kappa$ B. <i>Anesthesia and Analgesia</i> , 2005, 101, 934-941.	2.2	47
30	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
31	Halothane reduces reperfusion injury after regional ischaemia in the rabbit heart in vivo. <i>British Journal of Anaesthesia</i> , 1997, 79, 88-96.	3.4	46
32	Sevoflurane Confers Additional Cardioprotection after Ischemic Late Preconditioning in Rabbits. <i>Anesthesiology</i> , 2003, 99, 624-631.	2.5	46
33	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , 2019, 2019, CD011940.	2.8	45
34	Effects of Nitrous Oxide on the Rat Heart In Vivo. <i>Anesthesiology</i> , 2005, 103, 1174-1182.	2.5	44
35	Effect of Xenon Anesthesia Compared to Sevoflurane and Total Intravenous Anesthesia for Coronary Artery Bypass Graft Surgery on Postoperative Cardiac Troponin Release. <i>Anesthesiology</i> , 2017, 127, 918-933.	2.5	44
36	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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37	Effect of Acidotic Blood Reperfusion on Reperfusion Injury After Coronary Artery Occlusion in the Dog Heart. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 31, 179-186.	1.9	44
38	Upstream signaling of protein kinase C- $\mu$ in xenon-induced pharmacological preconditioning. <i>European Journal of Pharmacology</i> , 2006, 539, 1-9.	3.5	43
39	Perioperative hyperglycemia and neurocognitive outcome after surgery: a systematic review. <i>Minerva Anestesiologica</i> , 2018, 84, 1178-1188.	1.0	43
40	Cellular Effects of Helium in Different Organs. <i>Anesthesiology</i> , 2010, 112, 1503-1510.	2.5	43
41	The effect of anaesthetics on the myocardium - new insights into myocardial protection. <i>European Journal of Anaesthesiology</i> , 2005, 22, 647-657.	1.7	41
42	Xenon Induces Late Cardiac Preconditioning In Vivo: A Role for Cyclooxygenase 2?. <i>Anesthesia and Analgesia</i> , 2008, 107, 1807-1813.	2.2	41
43	Perioperative management of patients with type 2 diabetes mellitus undergoing noncardiac surgery using liraglutide, glucose-insulin-potassium infusion or intravenous insulin bolus regimens: a randomised controlled trial. <i>Anaesthesia</i> , 2018, 73, 332-339.	3.8	41
44	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, 706-712.	2.6	40
45	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , 0, , .	2.8	40
46	Effects of Hyperglycemia and Diabetes Mellitus on Coagulation and Hemostasis. <i>Journal of Clinical Medicine</i> , 2021, 10, 2419.	2.4	40
47	Role of protein kinase C- $\mu$ (PKC $\mu$ ) in isoflurane-induced cardioprotection. <i>British Journal of Anaesthesia</i> , 2005, 94, 166-173.	3.4	38
48	Ten years of the Helsinki Declaration on patient safety in anaesthesiology. <i>European Journal of Anaesthesiology</i> , 2020, 37, 521-610.	1.7	38
49	Thiopentone does not block ischemic preconditioning in the isolated rat heart. <i>Canadian Journal of Anaesthesia</i> , 2001, 48, 784-789.	1.6	37
50	Age-related loss of cardiac preconditioning: Impact of protein kinase A. <i>Experimental Gerontology</i> , 2012, 47, 116-121.	2.8	37
51	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
52	Effect of goal-directed therapy on outcome after esophageal surgery: A quality improvement study. <i>PLoS ONE</i> , 2017, 12, e0172806.	2.5	37
53	The Direct Myocardial Effects of Xenon in the Dog Heart In Vivo. <i>Anesthesia and Analgesia</i> , 2002, 94, 545-551.	2.2	36
54	Helium-induced late preconditioning in the rat heart in vivo. <i>British Journal of Anaesthesia</i> , 2009, 102, 614-619.	3.4	36

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55	Sevoflurane-induced Preconditioning. <i>Anesthesiology</i> , 2010, 113, 1289-1298.	2.5	36
56	Adverse side effects of dexamethasone in surgical patients. <i>The Cochrane Library</i> , 2018, 8, CD011940.	2.8	36
57	Effects of Ketamine and Its Isomers on Ischemic Preconditioning in the Isolated Rat Heart. <i>Anesthesiology</i> , 2001, 94, 623-629.	2.5	35
58	Hypoxia-inducible factor 1 and related gene products in anaesthetic-induced preconditioning. <i>European Journal of Anaesthesiology</i> , 2009, 26, 201-206.	1.7	35
59	Remote wireless vital signs monitoring on the ward for early detection of deteriorating patients: A case series. <i>International Journal of Nursing Studies</i> , 2020, 104, 103515.	5.6	35
60	Setting priorities for improving the preoperative assessment clinic: the patients' and the professionals' perspective. <i>British Journal of Anaesthesia</i> , 2008, 100, 322-326.	3.4	34
61	Simulation to analyse planning difficulties at the preoperative assessment clinic. <i>British Journal of Anaesthesia</i> , 2008, 100, 195-202.	3.4	34
62	Helium-Induced Early Preconditioning and Postconditioning Are Abolished in Obese Zucker Rats in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 600-607.	2.5	34
63	Information gain in patients using a multimedia website with tailored information on anaesthesia. <i>British Journal of Anaesthesia</i> , 2011, 106, 319-324.	3.4	34
64	Cardioprotection against reperfusion injury is maximal with only two minutes of sevoflurane administration in rats. <i>Canadian Journal of Anaesthesia</i> , 2003, 50, 940-945.	1.6	32
65	Cardioprotection by Remote Ischemic Preconditioning Exhibits a Signaling Pattern Different From Local Ischemic Preconditioning. <i>Shock</i> , 2011, 36, 45-53.	2.1	31
66	Systematic review of incretin therapy during peri-operative and intensive care. <i>Critical Care</i> , 2018, 22, 299.	5.8	31
67	Helium-induced cardioprotection of healthy and hypertensive rat myocardium in vivo. <i>European Journal of Pharmacology</i> , 2012, 684, 125-131.	3.5	30
68	Adaptive threshold-based alarm strategies for continuous vital signs monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 407-417.	1.6	30
69	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> , 2008, 108, 199-207.	2.5	30
70	Beneficial effects of sevoflurane and desflurane against myocardial reperfusion injury after cardioplegic arrest. <i>Canadian Journal of Anaesthesia</i> , 1999, 46, 1076-1081.	1.6	29
71	Late Preconditioning is Blocked by Racemic Ketamine, But Not by S(+)-Ketamine. <i>Anesthesia and Analgesia</i> , 2001, 93, 265-270.	2.2	28
72	Ischaemic and morphine-induced post-conditioning: impact of mKCa channels. <i>British Journal of Anaesthesia</i> , 2010, 105, 589-595.	3.4	28

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73	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
74	Postconditioning by xenon and hypothermia in the rat heart in vivo. <i>European Journal of Anaesthesiology</i> , 2010, 27, 734-739.	1.7	27
75	Effect of sevoflurane preconditioning on ischaemia/reperfusion injury in the rat kidney in vivo. <i>European Journal of Anaesthesiology</i> , 2006, 23, 319-326.	1.7	26
76	Noble gases as cardioprotectants – translatability and mechanism. <i>British Journal of Pharmacology</i> , 2015, 172, 2062-2073.	5.4	26
77	Satisfaction and safety using dexmedetomidine or propofol sedation during endoscopic oesophageal procedures. <i>European Journal of Anaesthesiology</i> , 2016, 33, 631-637.	1.7	26
78	Spatial heterogeneity of energy turnover in the heart. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 441, 663-673.	2.8	25
79	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. <i>Regional Anesthesia and Pain Medicine</i> , 2013, 38, 58-63.	2.3	25
80	Intraoperative Fluid Restriction in Pancreatic Surgery: A Double Blinded Randomised Controlled Trial. <i>PLoS ONE</i> , 2015, 10, e0140294.	2.5	25
81	Helium Induces Preconditioning in Human Endothelium <i>In Vivo</i> . <i>Anesthesiology</i> , 2013, 118, 95-104.	2.5	25
82	Update on inhalational anaesthetics. <i>Current Opinion in Anaesthesiology</i> , 2009, 22, 491-495.	2.0	24
83	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> , 2002, 88, 828-835.	3.4	23
84	Use of Buprenorphine in Children With Chronic Pseudoobstruction Syndrome. <i>Clinical Journal of Pain</i> , 2012, 28, 722-725.	1.9	23
85	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
86	Effect of lidocaine on ischaemic preconditioning in isolated rat heart. <i>British Journal of Anaesthesia</i> , 2004, 93, 698-704.	3.4	22
87	Lidocaine reduces ischaemic but not reperfusion injury in isolated rat heart. <i>British Journal of Anaesthesia</i> , 2001, 86, 846-852.	3.4	21
88	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
89	Preoperative considerations of new long-acting glucagon-like peptide-1 receptor agonists in diabetes mellitus. <i>British Journal of Anaesthesia</i> , 2021, 126, 567-571.	3.4	21
90	Morphine induces preconditioning via activation of mitochondrial K <sub>Ca</sub> channels. <i>Canadian Journal of Anaesthesia</i> , 2010, 57, 767-773.	1.6	20

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91	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> , 2017, 18, 472.	1.6	20
92	The regulation of mitochondrial respiration by opening of mKCa channels is age-dependent. <i>European Journal of Pharmacology</i> , 2008, 578, 108-113.	3.5	19
93	Effect of remote ischemic conditioning on atrial fibrillation and outcome after coronary artery bypass grafting (RICO-trial). <i>BMC Anesthesiology</i> , 2011, 11, 11.	1.8	19
94	The emergency paediatric surgical airway. <i>European Journal of Anaesthesiology</i> , 2018, 35, 558-565.	1.7	19
95	Perioperative Hyperoxyphobia: Justified or Not? Benefits and Harms of Hyperoxia during Surgery. <i>Journal of Clinical Medicine</i> , 2020, 9, 642.	2.4	19
96	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
97	Additive protective effects of late and early ischaemic preconditioning are mediated by the opening of K ATP channels in vivo. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 442, 178-187.	2.8	18
98	Blockade of anaesthetic-induced preconditioning in the hyperglycaemic myocardium. <i>European Journal of Pharmacology</i> , 2008, 592, 48-54.	3.5	18
99	Drugs mediating myocardial protection. <i>European Journal of Anaesthesiology</i> , 2009, 26, 985-995.	1.7	18
100	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
101	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
102	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.	4.0	18
103	Safety of moderate-to-deep sedation performed by sedation practitioners. <i>European Journal of Anaesthesiology</i> , 2018, 35, 659-666.	1.7	18
104	Effect of Cognitive Aids on Adherence to Best Practice in the Treatment of Deteriorating Surgical Patients. <i>JAMA Surgery</i> , 2020, 155, e194704.	4.3	18
105	Hypoxia Induces Late Preconditioning in the Rat Heart <i>In Vivo</i> . <i>Anesthesiology</i> , 2010, 113, 1351-1360.	2.5	17
106	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.	3.5	17
107	Perioperative Cardioprotection: Clinical Implications. <i>Anesthesia and Analgesia</i> , 2020, 131, 1751-1764.	2.2	17
108	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> , 1998, 87, 1221-1227.	2.2	16

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109	Inert gases as the future inhalational anaesthetics?. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2005, 19, 365-379.	4.0	16
110	Comparison of adequacy of anaesthesia monitoring with standard clinical practice monitoring during routine general anaesthesia. <i>European Journal of Anaesthesiology</i> , 2021, 38, 73-81.	1.7	16
111	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
112	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
113	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
114	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.	3.8	15
115	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
116	Effect of dantrolene in an in vivo and in vitro model of myocardial reperfusion injury. <i>Acta Anaesthesiologica Scandinavica</i> , 2000, 44, 194-201.	1.6	14
117	Patient Experiences with the Preoperative Assessment Clinic (PEPAC): validation of an instrument to measure patient experiences. <i>British Journal of Anaesthesia</i> , 2007, 99, 666-672.	3.4	14
118	Value of an Electronic Tutorial for Image Interpretation in Ultrasound-Guided Regional Anesthesia. <i>Regional Anesthesia and Pain Medicine</i> , 2013, 38, 44-49.	2.3	14
119	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
120	Monitoring of High- and Intermediate-Risk Surgical Patients. <i>Anesthesia and Analgesia</i> , 2019, 129, 1185-1190.	2.2	14
121	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
122	Targets Involved in Cardioprotection by the Non-Anesthetic Noble Gas Helium. <i>Current Drug Targets</i> , 2015, 16, 786-792.	2.1	14
123	Influence of the angiotensin II AT 1 receptor antagonist irbesartan on ischemia/reperfusion injury in the dog heart. <i>Basic Research in Cardiology</i> , 2000, 95, 404-412.	5.9	13
124	Can isoflurane mimic ischaemic preconditioning in isolated rat heart?. <i>British Journal of Anaesthesia</i> , 2001, 86, 269-271.	3.4	13
125	Safety and effectiveness using dexmedetomidine versus propofol TCI sedation during oesophagus interventions: a randomized trial. <i>BMC Gastroenterology</i> , 2013, 13, 176.	2.0	13
126	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



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127	Xenon increases total body oxygen consumption during isoflurane anaesthesia in dogs. <i>British Journal of Anaesthesia</i> , 2002, 88, 546-554.	3.4	12
128	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> , 2004, 21, 797-806.	1.7	12
129	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
130	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> , 2000, 91, 787-792.	2.2	11
131	Analgesia without sedatives during colonoscopies: worth considering?. <i>Techniques in Coloproctology</i> , 2012, 16, 271-276.	1.8	11
132	The Potential of Heliox as a Therapy for Acute Respiratory Distress Syndrome in Adults and Children: A Descriptive Review. <i>Respiration</i> , 2015, 89, 166-174.	2.6	11
133	Effects of helium on inflammatory and oxidative stress-induced endothelial cell damage. <i>Experimental Cell Research</i> , 2015, 337, 37-43.	2.6	11
134	Gaseous mediators: an updated review on the effects of helium beyond blowing up balloons. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 73.	1.9	11
135	Elevated cerebrospinal fluid glucose levels and diabetes mellitus are associated with activation of the neurotoxic polyol pathway. <i>Diabetologia</i> , 2022, 65, 1098-1107.	6.3	11
136	Late Preconditioning is Blocked by Racemic Ketamine, But Not by S(+)-Ketamine. <i>Anesthesia and Analgesia</i> , 2001, 93, 265-270.	2.2	10
137	Role of Tyrosine Kinase in Desflurane-induced Preconditioning. <i>Anesthesiology</i> , 2004, 100, 555-561.	2.5	10
138	Ischemic Preconditioning Phosphorylates Mitogen-activated Kinases and Heat Shock Protein 27 in the Diabetic Rat Heart. <i>Hormone and Metabolic Research</i> , 2009, 41, 10-15.	1.5	10
139	Pretreatment With Helium Does Not Attenuate Liver Injury After Warm Ischemia-Reperfusion. <i>Shock</i> , 2014, 41, 413-419.	2.1	10
140	Role of Endogenous Opioid System in Ischemic-Induced Late Preconditioning. <i>PLoS ONE</i> , 2015, 10, e0134283.	2.5	10
141	Perioperative Hyperglycemia and Glucose Variability in Gynecologic Laparotomies. <i>Journal of Diabetes Science and Technology</i> , 2016, 10, 145-150.	2.2	10
142	Novel method for intraoperative assessment of cerebral autoregulation by paced breathing. <i>British Journal of Anaesthesia</i> , 2017, 119, 1141-1149.	3.4	10
143	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
144	Indications, contraindications, and safety aspects of procedural sedation. <i>Current Opinion in Anaesthesiology</i> , 2019, 32, 769-775.	2.0	10

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145	Update for Anaesthetists on Clinical Features of COVID-19 Patients and Relevant Management. <i>Journal of Clinical Medicine</i> , 2020, 9, 1495.	2.4	10
146	Head-to-head validation of six immunoassays for SARS-CoV-2 in hospitalized patients. <i>Journal of Clinical Virology</i> , 2021, 139, 104821.	3.1	10
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