

Detlef Obal,, Desa

List of Publications by Year in descending order

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44
papers

1,461
citations

331670

21
h-index

315739

38
g-index

46
all docs

46
docs citations

46
times ranked

1652
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The noble gas xenon induces pharmacological preconditioning in the rat heart in vivo via induction of PKC- ϵ and p38 MAPK. <i>British Journal of Pharmacology</i> , 2005, 144, 123-132.	5.4	144
3	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
4	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
5	Cardiac Myocyte-Specific Expression of Inducible Nitric Oxide Synthase Protects Against Ischemia/Reperfusion Injury by Preventing Mitochondrial Permeability Transition. <i>Circulation</i> , 2008, 118, 1970-1978.	1.6	109
6	Exercise-Induced Changes in Glucose Metabolism Promote Physiological Cardiac Growth. <i>Circulation</i> , 2017, 136, 2144-2157.	1.6	103
7	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
8	Morphine Induces Late Cardioprotection in Rat Hearts In Vivo: The Involvement of Opioid Receptors and Nuclear Transcription Factor κ B. <i>Anesthesia and Analgesia</i> , 2005, 101, 934-941.	2.2	47
9	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
10	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
11	Implication of Major Adverse Postoperative Events and Myocardial Injury on Disability and Survival: A Planned Subanalysis of the ENIGMA-II Trial. <i>Anesthesia and Analgesia</i> , 2018, 127, 1118-1126.	2.2	43
12	TRPA1 channel contributes to myocardial ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H889-H899.	3.2	42
13	Cardiomyocyte-restricted overexpression of extracellular superoxide dismutase increases nitric oxide bioavailability and reduces infarct size after ischemia/reperfusion. <i>Basic Research in Cardiology</i> , 2012, 107, 305.	5.9	39
14	Role of protein kinase C- μ (PKC μ) in isoflurane-induced cardioprotection. <i>British Journal of Anaesthesia</i> , 2005, 94, 166-173.	3.4	38
15	Genetic Deficiency of Glutathione S-Transferase P Increases Myocardial Sensitivity to Ischemia-Induced Reperfusion Injury. <i>Circulation Research</i> , 2015, 117, 437-449.	4.5	34
16	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
17	Intraoperative dexamethasone does not increase the risk of postoperative wound infection: a propensity score-matched post hoc analysis of the ENIGMA-II trial (EnDEX). <i>British Journal of Anaesthesia</i> , 2017, 118, 190-199.	3.4	32
18	Cardiospecific Overexpression of ATPGD1 (Carnosine Synthase) Increases Histidine Dipeptide Levels and Prevents Myocardial Ischemia Reperfusion Injury. <i>Journal of the American Heart Association</i> , 2020, 9, e015222.	3.7	27

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19	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
20	The Effect of Aminophylline on Loss of Consciousness, Bispectral Index, Propofol Requirement, and Minimum Alveolar Concentration of Desflurane in Volunteers. <i>Anesthesia and Analgesia</i> , 2010, 110, 449-454.	2.2	24
21	Effect of lidocaine on ischaemic preconditioning in isolated rat heart. <i>British Journal of Anaesthesia</i> , 2004, 93, 698-704.	3.4	22
22	Post-conditioning by a short administration of desflurane reduced renal reperfusion injury after differing of ischaemia times in rats. <i>British Journal of Anaesthesia</i> , 2006, 97, 783-791.	3.4	21
23	Ultrasound Guidance for Deep Peripheral Nerve Blocks: A Brief Review. <i>Anesthesiology Research and Practice</i> , 2011, 2011, 1-6.	0.7	18
24	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
25	Continuous intra-arterial blood gas monitoring in rats. <i>Laboratory Animals</i> , 2004, 38, 133-137.	1.0	12
26	Perioperative Doses of Ondansetron or Dolasetron Do Not Lengthen the QT Interval. <i>Mayo Clinic Proceedings</i> , 2014, 89, 69-80.	3.0	12
27	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
28	Hydrochloric acid-induced lung injury: effects of early partial liquid ventilation on survival rate, gas exchange, and pulmonary neutrophil accumulation. <i>Intensive Care Medicine</i> , 2004, 30, 2110-2119.	8.2	10
29	Induced pluripotent stem cells as a platform to understand patient-specific responses to opioids and anaesthetics. <i>British Journal of Pharmacology</i> , 2020, 177, 4581-4594.	5.4	7
30	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	6
31	Coronary artery angioplasty for treatment of peri-operative myocardial ischaemia. <i>Anaesthesia</i> , 2005, 60, 194-197.	3.8	6
32	Red Cell Storage Duration Does Not Affect Outcome after Massive Blood Transfusion in Trauma and Nontrauma Patients: A Retrospective Analysis of 305 Patients. <i>BioMed Research International</i> , 2017, 1-12.	1.9	4
33	Effects of halothane, sevoflurane and desflurane on the force-frequency relation in the dog heart in vivo. <i>Canadian Journal of Anaesthesia</i> , 2006, 53, 1118.	1.6	3
34	Integrated Multilayer Omics Reveals the Genomic, Proteomic, and Metabolic Influences of Histidyl Dipeptides on the Heart. <i>Journal of the American Heart Association</i> , 2022, 11, .	3.7	3
35	Cardiac myocyte-specific transgenic ecSOD targets mitochondria to protect against Ca ²⁺ induced permeability transition. <i>Frontiers in Physiology</i> , 2013, 4, 295.	2.8	2
36	A Guide to Understanding "State-of-the-Art" Basic Research Techniques in Anesthesiology. <i>Anesthesia and Analgesia</i> , 2020, 131, 450-463.	2.2	2

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37	Is Fresh Frozen Plasma Still Necessary for Management of Acute Traumatic Coagulopathy?. Current Anesthesiology Reports, 2020, 10, 297-307.	2.0	2
38	Partial liquid ventilation in acute salt water-induced lung injury. European Journal of Anaesthesiology, 2005, 22, 536-540.	1.7	1
39	Single or Multiple Guidance Methods for Peripheral Nerve Blockade in Modern-Day Practice of Regional Anesthesia. Advances in Anesthesia, 2010, 28, 187-210.	0.9	1
40	Left stellate ganglion block has only small effects on left ventricular function in awake dogs before and after induction of heart failure. (Institut fur Klinische Anaesthesiologie,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (Hejnrich-Heinr 201-202.	1.9	0
41	The obesity paradox: does it exist in the perioperative period?. International Anesthesiology Clinics, 2020, 58, 14-20.	0.8	0
42	Perioperative analgesic administration during the 2018 parenteral opioid shortage in the United States â€“ A retrospective analysis. Journal of Clinical Anesthesia, 2020, 66, 109892.	1.6	0
43	Healthy obese. , 2021, , 213-220.		0
44	Abstract 497: Studying Cardiovascular Effects of Marijuana on Healthy Individuals Using Human Derived Induced Pluripotent Stem Cells. Circulation Research, 2019, 125, .	4.5	0