

Stefan G De Hert

List of Publications by Year in descending order

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Version: 2024-02-01

133
papers

9,737
citations

76326
40
h-index

36028
97
g-index

140
all docs

140
docs citations

140
times ranked

7681
citing authors

#	ARTICLE	IF	CITATIONS
1	Current trends in anesthetic depth and antinociception monitoring: an international survey. Journal of Clinical Monitoring and Computing, 2022, 36, 1407-1422.	1.6	3
2	Cardiac Biomarkers to Assess Perioperative Myocardial Injury in Noncardiac Surgery Patients: Tools or Toys?. Anesthesia and Analgesia, 2022, 134, 253-256.	2.2	4
3	New algorithm to quantify cardiopulmonary interaction in patients with atrial fibrillation: a proof-of-concept study. British Journal of Anaesthesia, 2021, 126, 111-119.	3.4	5
4	Levobupivacaine Consumption in Automated Intermittent Bolus in Ultrasound Guided Subparaneural Sciatic Nerve Catheters: A Prospective Double-Blind Randomized Trial. Local and Regional Anesthesia, 2021, Volume 14, 43-50.	1.3	2
5	Incongruous effect of phenylephrine on changes in cerebral blood volume measured by near-infrared spectroscopy (NIRS) indicating extracranial contamination. Journal of Clinical Monitoring and Computing, 2021, , 1.	1.6	3
6	Human factors affecting intraoperative patient safety. Current Opinion in Anaesthesiology, 2021, 34, 735-743.	2.0	5
7	Treating patients across European Union borders. European Journal of Anaesthesiology, 2021, 38, 344-347.	1.7	5
8	Ephedrine and phenylephrine induce opposite changes in cerebral and paraspinal tissue oxygen saturation, measured with near-infrared spectroscopy: a randomized controlled trial. Journal of Clinical Monitoring and Computing, 2020, 34, 253-259.	1.6	7
9	Aprotinin Relicense and Use of Nonapproved Interventions. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1123-1124.	1.3	0
10	Reply to. European Journal of Anaesthesiology, 2020, 37, 53.	1.7	1
11	Getting old. European Journal of Anaesthesiology, 2020, 37, 1081-1083.	1.7	6
12	<p>Burnout in Healthcare Workers: Prevalence, Impact and Preventative Strategies</p>. Local and Regional Anesthesia, 2020, Volume 13, 171-183.	1.3	247
13	Effects of propofol and sevoflurane on hepatic blood flow: a randomized controlled trial. BMC Anesthesiology, 2020, 20, 241.	1.8	7
14	Rapid sequence induction. European Journal of Anaesthesiology, 2020, 37, 435-442.	1.7	33
15	Cardiac Biomarkers for the Prediction and Detection of Adverse Cardiac Events After Noncardiac Surgery: A Narrative Review. Anesthesia and Analgesia, 2020, 131, 187-195.	2.2	12
16	Women anaesthesiologists' attitudes and reported barriers to career advancement in anaesthesia: a survey of the European Society of Anaesthesiology. British Journal of Anaesthesia, 2020, 124, e171-e177.	3.4	29
17	Response to comments on â€The European Society of Anaesthesiology Task Force review on the place of nitrous oxide in current clinical practiceâ€™™ (Br J Anaesth 2019; 122:587â€604). British Journal of Anaesthesia, 2019, 123, e482-e483.	3.4	3
18	Why and how to assess cerebral autoregulation?. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2019, 33, 211-220.	4.0	16

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19	Clear fluids fasting for elective paediatric anaesthesia. European Journal of Anaesthesiology, 2019, 36, 173-174.	1.7	32
20	The anaesthesiologist. European Journal of Anaesthesiology, 2019, 36, 387-389.	1.7	1
21	New advances in perioperative cardioprotection. F1000Research, 2019, 8, 538.	1.6	6
22	Focus cardiac ultrasound core curriculum and core syllabus of the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2018, 19, 475-481.	1.2	101
23	Anesthetic Preconditioning: Have We Found the Holy Grail of Perioperative Cardioprotection?. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 1135-1136.	1.3	13
24	The surgical safety checklist and patient outcomes after surgery: a prospective observational cohort study, systematic review and meta-analysis. British Journal of Anaesthesia, 2018, 120, 146-155.	3.4	92
25	Pre-operative evaluation of adults undergoing elective noncardiac surgery. European Journal of Anaesthesiology, 2018, 35, 407-465.	1.7	268
26	Device or target? A paradigm shift in airway management. European Journal of Anaesthesiology, 2018, 35, 811-814.	1.7	49
27	Burnout Among Anesthesiologists: It's Time for Action!. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 2467-2468.	1.3	10
28	Pitfalls of clinical practice guidelines in the era of broken science. European Journal of Anaesthesiology, 2018, 35, 903-906.	1.7	11
29	Evaluation of different near-infrared spectroscopy technologies for assessment of tissue oxygen saturation during a vascular occlusion test. Journal of Clinical Monitoring and Computing, 2017, 31, 1151-1158.	1.6	28
30	A special article following the reluctance of aprotinin injection in Europe. Anaesthesia, Critical Care & Pain Medicine, 2017, 36, 97-102.	1.4	14
31	Incidence of severe critical events in paediatric anaesthesia (APRICOT): a prospective multicentre observational study in 261 hospitals in Europe. Lancet Respiratory Medicine, 2017, 5, 412-425.	10.7	502
32	Re-evaluation of peri-operative cardiac risk (the MET REPAIR study). European Journal of Anaesthesiology, 2017, 34, 709-712.	1.7	9
33	Research ethics committee approval as reported for abstracts submitted to the annual Euroanaesthesia meeting. European Journal of Anaesthesiology, 2017, 34, 824-830.	1.7	1
34	Microvascular reactivity monitored with near-infrared spectroscopy is impaired after induction of anaesthesia in cardiac surgery patients. European Journal of Anaesthesiology, 2017, 34, 688-694.	1.7	10
35	Open access to research data. European Journal of Anaesthesiology, 2017, 34, 1-3.	1.7	14
36	European implementation of the "2014 ESC/ESA guideline on non-cardiac surgery: cardiovascular assessment and management". Minerva Anestesiologica, 2017, 83, 457-464.	1.0	0

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37	Recent advances in cerebral oximetry. Assessment of cerebral autoregulation with near-infrared spectroscopy: myth or reality?. F1000Research, 2017, 6, 1615.	1.6	27
38	Perioperative Cardioprotective Strategies in Noncardiac Surgery. , 2017, , 749-761.		0
39	Effect of helium pre- or postconditioning on signal transduction kinases in patients undergoing coronary artery bypass graft surgery. Journal of Translational Medicine, 2016, 14, 294.	4.4	12
40	Reply to. European Journal of Anaesthesiology, 2016, 33, 305.	1.7	0
41	Cardiac troponins and volatile anaesthetics in on-pump coronary surgery. European Journal of Anaesthesiology, 2016, 33, 393-395.	1.7	9
42	Postoperative complications in cardiac patients undergoing noncardiac surgery. Current Opinion in Critical Care, 2016, 22, 357-364.	3.2	13
43	Dynamic filling parameters in patients with atrial fibrillation: differentiating rhythm induced from ventilation-induced variations in pulse pressure. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1194-H1200.	3.2	2
44	Cerebral near-infrared spectroscopy in the care of patients during cardiological procedures: a summary of the clinical evidence. Journal of Clinical Monitoring and Computing, 2016, 30, 901-909.	1.6	14
45	Near-Infrared Spectroscopy Reveals Transient Impairment of Microvascular Reactivity During Severe Acute Anaphylaxis. Journal of Cardiothoracic and Vascular Anesthesia, 2016, 30, 149-153.	1.3	1
46	Perioperative Hemodynamic Management of Carotid Artery Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2016, 30, 491-500.	1.3	13
47	Effects of Volatile Anesthetics on Mortality and Postoperative Pulmonary and Other Complications in Patients Undergoing Surgery. Anesthesiology, 2016, 124, 1230-1245.	2.5	156
48	Assessment of Cerebral Autoregulation Patterns with Near-infrared Spectroscopy during Pharmacological-induced Pressure Changes. Anesthesiology, 2015, 123, 327-335.	2.5	41
49	Cerebral oximetry. Current Opinion in Anaesthesiology, 2015, 28, 703-709.	2.0	37
50	Intraoperative Fluid Restriction in Pancreatic Surgery: A Double Blinded Randomised Controlled Trial. PLoS ONE, 2015, 10, e0140294.	2.5	25
51	Sevoflurane. F1000Research, 2015, 4, 626.	1.6	69
52	Combined spinal epidural analgesia for labor using sufentanil epidurally versus intrathecally: a retrospective study on the influence on fetal heart trace. Journal of Perinatal Medicine, 2015, 43, 481-4.	1.4	2
53	Reply to. European Journal of Anaesthesiology, 2015, 32, 281.	1.7	0
54	O2, anybody?. European Journal of Anaesthesiology, 2015, 32, 371-373.	1.7	7

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55	Myocardial injury and protection related to cardiopulmonary bypass. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2015, 29, 137-149.	4.0	53
56	2014 ESC/ESA Guidelines on non-cardiac surgery: cardiovascular assessment and management. European Heart Journal, 2014, 35, 2383-2431.	2.2	1,253
57	2014 European Society of Cardiology/European Society of Anaesthesiology guidelines on non-cardiac surgery. European Journal of Anaesthesiology, 2014, 31, 513-516.	1.7	14
58	Blood storage duration and morbidity and mortality in children undergoing cardiac surgery. European Journal of Anaesthesiology, 2014, 31, 310-316.	1.7	11
59	Randomised controlled trials. European Journal of Anaesthesiology, 2014, 31, 450-451.	1.7	1
60	2014 ESC/ESA Guidelines on non-cardiac surgery. European Journal of Anaesthesiology, 2014, 31, 517-573.	1.7	335
61	What the phlebologist should know about local anesthetics. Phlebology, 2014, 29, 428-441.	1.2	13
62	Noninvasive Hemodynamic Monitoring Devices. Anesthesiology, 2014, 120, 1065-1066.	2.5	4
63	Why hydroxyethyl starch solutions should NOT be banned from the operating room. Anaesthesiology Intensive Therapy, 2014, 46, 336-341.	1.0	16
64	Value of Cerebral Oxygen Saturation Monitoring During Cardiopulmonary Bypass in an Adult Patient With Moyamoya Disease. Journal of Cardiothoracic and Vascular Anesthesia, 2013, 27, 740-743.	1.3	6
65	Implementation of a structured information transfer checklist improves postoperative data transfer after congenital cardiac surgery. European Journal of Anaesthesiology, 2013, 30, 764-769.	1.7	50
66	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. Critical Care, 2013, 17, R166.	5.8	69
67	A pathophysiological approach towards right ventricular function and failure. European Journal of Anaesthesiology, 2013, 30, 386-394.	1.7	12
68	The Effect of Blood Pressure Regulation During Aortic Coarctation Repair on Brain, Kidney, and Muscle Oxygen Saturation Measured by Near-Infrared Spectroscopy. Anesthesia and Analgesia, 2013, 116, 760-766.	2.2	13
69	Red blood cell transfusion in the bleeding traumatized patient. Current Opinion in Anaesthesiology, 2012, 25, 226-228.	2.0	1
70	Update on the Comparative Safety of Colloids. Annals of Surgery, 2012, 256, e22-e23.	4.2	0
71	Cerebral oxygen desaturation during beach chair position. European Journal of Anaesthesiology, 2012, 29, 82-87.	1.7	80
72	Efficacy of tranexamic acid in paediatric cardiac surgery: a systematic review and meta-analysis. European Journal of Cardio-thoracic Surgery, 2012, 42, 781-786.	1.4	71

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73	Comments on Reinhart et al.: consensus statement of the ESICM task force on colloid volume therapy in critically ill patients. <i>Intensive Care Medicine</i> , 2012, 38, 1556-1557.	8.2	9
74	Levosimendan: Molecular mechanisms and clinical implications. <i>International Journal of Cardiology</i> , 2012, 159, 82-87.	1.7	256
75	Physiology of hemodynamic homeostasis. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2012, 26, 409-419.	4.0	8
76	Acute and Chronic Effects of Dysfunction of Right Ventricular Outflow Tract Components on Right Ventricular Performance in a Porcine Model. <i>Journal of the American College of Cardiology</i> , 2012, 60, 64-71.	2.8	32
77	Utility of Near-infrared Spectroscopy for Assessing Cerebral Oxygen Saturation during Beach Chair Position. <i>Anesthesiology</i> , 2012, 117, 1395-1395.	2.5	2
78	Right ventricular function declines after cardiac surgery in adult patients with congenital heart disease. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 755-762.	1.5	42
79	Epidurals and Outcome after Cardiac Surgery: An Example of Wishful Thinking?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, e17-e19.	1.3	0
80	Cardioprotection by Volatile Anesthetics: What About Noncardiac Surgery?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, 899-901.	1.3	27
81	Assessment of Fluid Responsiveness. <i>Anesthesiology</i> , 2011, 115, 229-230.	2.5	10
82	Magnesium—Essentials for Anesthesiologists. <i>Anesthesiology</i> , 2011, 114, 971-993.	2.5	189
83	A randomised trial comparing sufentanil versus remifentanyl for laparoscopic gastropasty in the morbidly obese patient. <i>European Journal of Anaesthesiology</i> , 2011, 28, 120-124.	1.7	18
84	Is anaesthetic cardioprotection clinically relevant? Another futile search for a magic bullet?. <i>European Journal of Anaesthesiology</i> , 2011, 28, 616-617.	1.7	15
85	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
86	Preoperative evaluation of the adult patient undergoing non-cardiac surgery. <i>European Journal of Anaesthesiology</i> , 2011, 28, 684-722.	1.7	154
87	A randomized controlled trial comparing an intraoperative goal-directed strategy with routine clinical practice in patients undergoing peripheral arterial surgery. <i>European Journal of Anaesthesiology</i> , 2010, 27, 788-793.	1.7	48
88	A major step forward: Guidelines for the management of cardiac patients for non-cardiac surgery - the art of anaesthesia. <i>European Journal of Anaesthesiology</i> , 2010, 27, 89-91.	1.7	4
89	Guidelines for pre-operative cardiac risk assessment and perioperative cardiac management in non-cardiac surgery. <i>European Journal of Anaesthesiology</i> , 2010, 27, 92-137.	1.7	263
90	Clinical review: Practical recommendations on the management of perioperative heart failure in cardiac surgery. <i>Critical Care</i> , 2010, 14, 201.	5.8	158

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91	A European View. Journal of Cardiothoracic and Vascular Anesthesia, 2009, 23, 137-139.	1.3	10
92	Guía de práctica clínica para la valoración del riesgo cardiaco preoperatorio y el manejo cardiaco perioperatorio en la cirugía no cardíaca. Revista Española De Cardiología, 2009, 62, 1467.e1-1467.e56.	1.2	7
93	Guidelines for pre-operative cardiac risk assessment and perioperative cardiac management in non-cardiac surgery. European Heart Journal, 2009, 30, 2769-2812.	2.2	735
94	Preoperative cardiovascular assessment in noncardiac surgery: an update. European Journal of Anaesthesiology, 2009, 26, 449-457.	1.7	9
95	Clinical trials: evidence based and clinically relevant or not?. Current Opinion in Anaesthesiology, 2009, 22, 68-70.	2.0	0
96	Perioperative assessment of volume status: measurement of preload is not measurement of preload responsiveness. European Journal of Anaesthesiology, 2009, 26, 269-271.	1.7	2
97	Preoperative Electrocardiograms. Anesthesiology, 2009, 110, 1205-1206.	2.5	15
98	Perioperative volume replacement in children undergoing cardiac surgery: Albumin versus hydroxyethyl starch 130/0.4*. Critical Care Medicine, 2009, 37, 696-701.	0.9	110
99	Update on inhalational anaesthetics. Current Opinion in Anaesthesiology, 2009, 22, 491-495.	2.0	24
100	Drugs mediating myocardial protection. European Journal of Anaesthesiology, 2009, 26, 985-995.	1.7	18
101	Cardioprotection with Volatile Anesthetics in Cardiac Surgery. Asian Cardiovascular and Thoracic Annals, 2008, 16, 256-264.	0.5	17
102	Outcome after cardiovascular surgery: where do we stand?. Current Opinion in Anaesthesiology, 2008, 21, 47-49.	2.0	1
103	Moderate Acute Isovolemic Hemodilution Alters Myocardial Function in Patients with Coronary Artery Disease. Anesthesia and Analgesia, 2008, 107, 1145-1152.	2.2	6
104	Myocardial Protection from Ischemia and Reperfusion Injury. , 2008, , 70-86.		2
105	The Effects of Levosimendan in Cardiac Surgery Patients with Poor Left Ventricular Function. Anesthesia and Analgesia, 2007, 104, 766-773.	2.2	672
106	Neurosensory changes in a human model of endothelin-1 induced pain: A behavioral study. Neuroscience Letters, 2007, 418, 117-121.	2.1	40
107	Effects of Preemptive Enoximone on Left Ventricular Diastolic Function After Valve Replacement for Aortic Stenosis. Journal of Cardiothoracic and Vascular Anesthesia, 2007, 21, 357-366.	1.3	8
108	Inferior Vena Cava Diameter and Central Venous Pressure Correlation During Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2007, 21, 492-496.	1.3	30

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109	Uncalibrated Arterial Pulse Contour Analysis Versus Continuous Thermodilution Technique: Effects of Alterations in Arterial Waveform. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2007, 21, 636-643.	1.3	97
110	Desflurane and Sevoflurane in Cardiac Surgery: A Meta-Analysis of Randomized Clinical Trials. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2007, 21, 502-511.	1.3	305
111	Evaluation of Left Ventricular Function in Anesthetized Patients Using Femoral Artery dP/dtmax. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 325-330.	1.3	72
112	Effects of Sevoflurane on Biomechanical Markers of Hepatic and Renal Dysfunction After Coronary Artery Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 684-690.	1.3	44
113	Anesthetic Preconditioning: How Important Is It in Today's Cardiac Anesthesia?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 473-476.	1.3	15
114	Volatile Anesthetics and Cardiac Function. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2006, 10, 33-42.	1.0	41
115	Early and late complications of silicone patch saphenoplasty at the saphenofemoral junction. <i>Journal of Vascular Surgery</i> , 2006, 44, 1285-1290.	1.1	23
116	Cardioprotective Properties of Sevoflurane in Patients Undergoing Aortic Valve Replacement with Cardiopulmonary Bypass. <i>Anesthesia and Analgesia</i> , 2006, 103, 289-296.	2.2	101
117	Relation of B-Type Natriuretic Peptide Early After Acute Myocardial Infarction to Left Ventricular Diastolic Function and Extent of Myocardial Damage Determined by Magnetic Resonance Imaging. <i>American Journal of Cardiology</i> , 2006, 97, 1146-1150.	1.6	13
118	Hydroxyethyl Starch 130/0.4 Versus Modified Fluid Gelatin for Volume Expansion in Cardiac Surgery Patients: The Effects on Perioperative Bleeding and Transfusion Needs. <i>Anesthesia and Analgesia</i> , 2005, 101, 629-634.	2.2	110
119	The concept of anaesthetic-induced cardioprotection: clinical relevance. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2005, 19, 445-459.	4.0	15
120	Normovolemic hemodilution and the heart. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, 130-132.	1.6	5
121	Antioxidant defence during cardiopulmonary bypass surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2005, 27, 611-616.	1.4	50
122	Cardioprotection with Volatile Anesthetics: Mechanisms and Clinical Implications. <i>Anesthesia and Analgesia</i> , 2005, 100, 1584-1593.	2.2	195
123	3.5% urea-linked gelatin is as effective as 6% HES 200/0.5 for volume management in cardiac surgery patients. <i>Canadian Journal of Anaesthesia</i> , 2004, 51, 236-241.	1.6	51
124	Left Ventricular Function After Cardiopulmonary Bypass Is Related to the Length-Dependent Regulation of Myocardial Function. <i>Anesthesia and Analgesia</i> , 2004, 99, 311-312.	2.2	2
125	Cardioprotective Properties of Sevoflurane in Patients Undergoing Coronary Surgery with Cardiopulmonary Bypass Are Related to the Modalities of Its Administration. <i>Anesthesiology</i> , 2004, 101, 299-310.	2.5	381
126	Choice of Primary Anesthetic Regimen Can Influence Intensive Care Unit Length of Stay after Coronary Surgery with Cardiopulmonary Bypass. <i>Anesthesiology</i> , 2004, 101, 9-20.	2.5	221

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127	Cardioprotection with volatile anesthetics: clinical relevance. Current Opinion in Anaesthesiology, 2004, 17, 57-62.	2.0	21
128	Tolerance to Acute Isovolemic Hemodilution. Anesthesiology, 2003, 99, 97-104.	2.5	61
129	Cardioprotective Effects of Volatile Anesthetics in Cardiac Surgery. Anesthesiology, 2003, 99, 516-517.	2.5	50
130	Effects of Propofol, Desflurane, and Sevoflurane on Recovery of Myocardial Function after Coronary Surgery in Elderly High-risk Patients. Anesthesiology, 2003, 99, 314-323.	2.5	306
131	Efficacy of Acute Normovolemic Hemodilution in Cardiac Surgery. Anesthesiology, 2003, 98, 1297-1297.	2.5	3
132	Cardiac electrophysiology. , 0, , 8-12.		0
133	Myocardial stunning, hibernation and preconditioning. , 0, , 119-123.		0