

Jan Poelaert

List of Publications by Year in descending order

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Version: 2024-02-01

123
papers

4,179
citations

186265
28
h-index

114465
63
g-index

166
all docs

166
docs citations

166
times ranked

3875
citing authors

#	ARTICLE	IF	CITATIONS
1	Left ventricular systolic and diastolic function in septic shock. <i>Intensive Care Medicine</i> , 1997, 23, 553-560.	8.2	856
2	Incidence of severe critical events in paediatric anaesthesia (APRICOT): a prospective multicentre observational study in 261 hospitals in Europe. <i>Lancet Respiratory Medicine</i> , 2017, 5, 412-425.	10.7	502
3	International Evidence-Based Recommendations for Focused Cardiac Ultrasound. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 683.e1-683.e33.	2.8	409
4	Accuracy and repeatability of pediatric cardiac output measurement using Doppler: 20-year review of the literature. <i>Intensive Care Medicine</i> , 2003, 29, 1889-1894.	8.2	140
5	Polyurethane cuffed endotracheal tubes to prevent early postoperative pneumonia after cardiac surgery: A pilot study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 135, 771-776.	0.8	140
6	Outcome analysis of major cardiac operations in low weight neonates. <i>Annals of Thoracic Surgery</i> , 2004, 78, 181-187.	1.3	102
7	Phosphorylcholine coating of extracorporeal circuits provides natural protection against blood activation by the material surface. <i>European Journal of Cardio-thoracic Surgery</i> , 2000, 18, 602-606.	1.4	100
8	Multi-organ point-of-care ultrasound for COVID-19 (PoCUS4COVID): international expert consensus. <i>Critical Care</i> , 2020, 24, 702.	5.8	93
9	The surgical safety checklist and patient outcomes after surgery: a prospective observational cohort study, systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2018, 120, 146-155.	3.4	92
10	Cuff Pressure of Endotracheal Tubes After Changes in Body Position in Critically Ill Patients Treated With Mechanical Ventilation. <i>American Journal of Critical Care</i> , 2014, 23, e1-e8.	1.6	80
11	How to avoid microaspiration? A key element for the prevention of ventilator-associated pneumonia in intubated ICU patients. <i>BMC Infectious Diseases</i> , 2014, 14, 119.	2.9	73
12	Outcome in critically ill patients with candidal fungaemia: <i>Candida albicans</i> vs. <i>Candida glabrata</i> . <i>Journal of Hospital Infection</i> , 2001, 47, 308-313.	2.9	71
13	A comparison of transoesophageal echocardiographic Doppler across the aortic valve and the thermodilution technique for estimating cardiac output. <i>Anaesthesia</i> , 1999, 54, 128-136.	3.8	70
14	Hemodynamic Monitoring Utilizing Transesophageal Echocardiography. <i>Chest</i> , 2005, 127, 379-390.	0.8	70
15	Spinal cord stimulation modulates cerebral function: an fMRI study. <i>Neuroradiology</i> , 2012, 54, 1399-1407.	2.2	69
16	Second-generation cryoballoon ablation for paroxysmal atrial fibrillation: Predictive role of atrial arrhythmias occurring in the blanking period on the incidence of late recurrences. <i>Heart Rhythm</i> , 2016, 13, 845-851.	0.7	67
17	Palliative sedation: Why we should be more concerned about the risks that patients experience an uncomfortable death. <i>Pain</i> , 2013, 154, 1505-1508.	4.2	56
18	Transoesophageal echocardiography in the critically ill. <i>Anaesthesia</i> , 1998, 53, 55-68.	3.8	50

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19	Management of Candidal Thrombophlebitis of the Central Veins: Case Report and Review. <i>Clinical Infectious Diseases</i> , 1998, 26, 393-397.	5.8	45
20	One-year follow-up after second-generation cryoballoon ablation for atrial fibrillation in a large cohort of patients: a single-centre experience. <i>Europace</i> , 2016, 18, 987-993.	1.7	43
21	Hemodynamic effects of different lung-protective ventilation strategies in closed-chest pigs with normal lungs. <i>Critical Care Medicine</i> , 2006, 34, 2990-2996.	0.9	42
22	Forty years of neuromuscular monitoring and postoperative residual curarisation: a meta-analysis and evaluation of confidence in network meta-analysis. <i>British Journal of Anaesthesia</i> , 2020, 125, 466-482.	3.4	41
23	Inhibition of Firefly Luciferase by General Anesthetics: Effect on In Vitro and In Vivo Bioluminescence Imaging. <i>PLoS ONE</i> , 2012, 7, e30061.	2.5	40
24	Controlled-release of opioids for improved pain management. <i>Materials Today</i> , 2016, 19, 491-502.	14.2	36
25	Education and evaluation of knowledge and skills in echocardiography: how should we organize?. <i>Intensive Care Medicine</i> , 2007, 33, 1684-1686.	8.2	35
26	Assessment of intraoperative microaspiration: does a modified cuff shape improve sealing?. <i>Acta Anaesthesiologica Scandinavica</i> , 2013, 57, 873-880.	1.6	33
27	Treatment With Prolonged-Release Oxycodone/Naloxone Improves Pain Relief and Opioid-Induced Constipation Compared With Prolonged-Release Oxycodone in Patients With Chronic Severe Pain and Laxative-Refractory Constipation. <i>Clinical Therapeutics</i> , 2015, 37, 784-792.	2.5	33
28	Midterm clinical outcomes of concomitant thoracoscopic epicardial and transcatheter endocardial ablation for persistent and long-standing persistent atrial fibrillation: a single-centre experience. <i>Europace</i> , 2017, 19, euw026.	1.7	31
29	Learning curve using the second-generation cryoballoon ablation. <i>Journal of Cardiovascular Medicine</i> , 2017, 18, 518-527.	1.5	28
30	Estimation of myocardial performance in CABG patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2004, 48, 973-979.	1.6	26
31	SEPSIS AND SEPTIC SHOCK: PATHOPHYSIOLOGICAL AND CARDIOVASCULAR BACKGROUND AS BASIS FOR THERAPY. <i>Acta Clinica Belgica</i> , 2010, 65, 323-329.	1.2	25
32	Phrenic nerve injury during ablation with the second-generation cryoballoon: analysis of the temperature drop behaviour in a large cohort of patients. <i>Europace</i> , 2016, 18, 702-709.	1.7	25
33	Safe Single-Dose Administration of Propofol in Patients with Established Brugada Syndrome: A Retrospective Database Analysis. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2013, 36, 1516-1521.	1.2	24
34	Improved visualisation of real-time recordings during third generation cryoballoon ablation: a comparison between the novel short-tip and the second generation device. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2016, 46, 307-314.	1.3	23
35	Incidence of real-time recordings of pulmonary vein potentials using the third-generation short-tip cryoballoon. <i>Europace</i> , 2016, 18, 1158-1163.	1.7	23
36	Left ventricular strain and peak systolic velocity: responses to controlled changes in load and contractility, explored in a porcine model. <i>Cardiovascular Ultrasound</i> , 2012, 10, 22.	1.6	22

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37	The Effects of Acute Isovolemic Hemodilution on Oxygenation During One-Lung Ventilation. <i>Anesthesia and Analgesia</i> , 2005, 100, 15-20.	2.2	21
38	Spinal cord stimulation modulates cerebral neurobiology: a proton magnetic resonance spectroscopy study. <i>Neuroradiology</i> , 2013, 55, 1039-1047.	2.2	21
39	Association among duration of mechanical ventilation, cuff material of endotracheal tube, and postoperative nosocomial pneumonia in cardiac surgical patients: A prospective study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 1622-1627.	0.8	20
40	Hemodynamic effects of dopexamine in patients following coronary artery bypass surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1989, 3, 441-443.	0.2	17
41	A new transvenous internal cardioverter-defibrillator: Implantation technique, complications, and short-term follow-up. <i>American Heart Journal</i> , 1995, 129, 251-258.	2.7	17
42	Feasibility of cerebral magnetic resonance imaging in patients with externalised spinal cord stimulator. <i>Clinical Neurology and Neurosurgery</i> , 2012, 114, 135-141.	1.4	17
43	A European survey of nosocomial infection control and hospital-acquired pneumonia prevention practices. <i>Journal of Infection</i> , 2012, 65, 285-291.	3.3	17
44	Should we include monitors to improve assessment of awareness and pain in unconscious palliatively sedated patients? A case report. <i>Palliative Medicine</i> , 2019, 33, 712-716.	3.1	17
45	Hybrid thoracoscopic epicardial ablation of right ventricular outflow tract in patients with Brugada syndrome. <i>Heart Rhythm</i> , 2019, 16, 879-887.	0.7	17
46	Electrocardiographic Effects of Propofol <i>versus</i> Etomidate in Patients with Brugada Syndrome. <i>Anesthesiology</i> , 2020, 132, 440-451.	2.5	17
47	Sinus Node Sparing Novel Hybrid Approach for Treatment of Inappropriate Sinus Tachycardia/Postural Orthostatic Sinus Tachycardia With New Electrophysiological Finding. <i>American Journal of Cardiology</i> , 2019, 124, 224-232.	1.6	16
48	Surgical Decompression for Abdominal Compartment Syndrome After Emergency Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2008, 85, 2133-2135.	1.3	15
49	Intraoperative temperature monitoring with cutaneous zero-heat-flux thermometry in comparison with oesophageal temperature: A prospective study in the paediatric population. <i>Paediatric Anaesthesia</i> , 2019, 29, 865-871.	1.1	15
50	Two-year follow-up of one-stage left unilateral thoracoscopic epicardial and transcatheter endocardial ablation for persistent and long-standing persistent atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2020, 58, 333-343.	1.3	15
51	Use of ultrasound in the ICU. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2009, 23, 249-261.	4.0	14
52	Comfort in palliative sedation (Compas): a transdisciplinary mixed method study protocol for linking objective assessments to subjective experiences. <i>BMC Palliative Care</i> , 2018, 17, 62.	1.8	14
53	Beat-to-beat change in myocardial performance index related to load. <i>Acta Anaesthesiologica Scandinavica</i> , 2007, 51, 545-552.	1.6	12
54	Perioperative echocardiographic assessment of mitral valve regurgitation: a comprehensive review. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 50, 801-812.	1.4	12

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55	Awareness during anaesthesia for implantable cardioverter defibrillator implantation.. <i>Anaesthesia</i> , 1995, 50, 733-735.	3.8	11
56	Comparison of the effects of intrathecal administration of levobupivacaine and lidocaine on the prostaglandin E 2 and glutamate increases in cerebrospinal fluid: a microdialysis study in freely moving rats. <i>British Journal of Anaesthesia</i> , 2009, 102, 540-545.	3.4	10
57	Contemporary perioperative haemodynamic monitoring. <i>Anesthesiology Intensive Therapy</i> , 2019, 51, 147-158.	1.0	10
58	Attitudes of Professional Caregivers and Family Members Regarding the Use of Monitoring Devices to Improve Assessments of Pain and Discomfort During Continuous Sedation Until Death. <i>Journal of Pain and Symptom Management</i> , 2020, 60, 390-399.	1.2	10
59	Perioperative use of dihydropyridine calcium channel blockers. <i>Acta Anaesthesiologica Scandinavica</i> , 2000, 44, 528-535.	1.6	9
60	Is tissue Doppler echocardiography the Holy Grail for the intensivist?. <i>Critical Care</i> , 2007, 11, 135.	5.8	9
61	Potential Risks of Hemolysis after Short-Term Administration of Analgesics in Children with Glucose-6-Phosphate Dehydrogenase Deficiency. <i>Journal of Pediatrics</i> , 2011, 159, 1023-1028.	1.8	9
62	Neurophysiological Assessments During Continuous Sedation Until Death Put Validity of Observational Assessments Into Question: A Prospective Observational Study. <i>Pain and Therapy</i> , 2021, 10, 377-390.	3.2	9
63	Transesophageal echocardiographic evaluation of left ventricular function. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2000, 14, 588-598.	1.3	8
64	Long-term outcome of pulmonary vein isolation in patients with paroxysmal atrial fibrillation and Brugada syndrome. <i>Europace</i> , 2018, 20, 548-554.	1.7	8
65	The analgesic efficacy of forearm versus upper arm intravenous regional anesthesia (Bier's block): A randomized controlled non-inferiority trial. <i>Journal of Clinical Anesthesia</i> , 2021, 73, 110329.	1.6	8
66	Echocardiography and assessing fluid responsiveness: acoustic quantification again into the picture?. <i>Critical Care</i> , 2007, 11, 105.	5.8	7
67	Left ventricular twist is load-dependent as shown in a large animal model with controlled cardiac load. <i>Cardiovascular Ultrasound</i> , 2012, 10, 26.	1.6	7
68	Femoral venous pressure waveform as indicator of phrenic nerve injury in the setting of second-generation cryoballoon ablation. <i>Journal of Cardiovascular Medicine</i> , 2017, 18, 510-517.	1.5	7
69	Exploratory Outlier Detection for Acceleromyographic Neuromuscular Monitoring: Machine Learning Approach. <i>Journal of Medical Internet Research</i> , 2021, 23, e25913.	4.3	7
70	Case 2005 evaluation of the lungs via transesophageal echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2005, 19, 242-249.	1.3	6
71	Echography is mandatory for the initial management of critically ill patients: Yes. <i>Intensive Care Medicine</i> , 2014, 40, 1763-1765.	8.2	6
72	Development and validation of an android-based application for anaesthesia neuromuscular monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 863-870.	1.6	6

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73	Lower Extremity Near-infrared Spectroscopy After Popliteal Block For Orthopaedic Foot Surgery. The Open Orthopaedics Journal, 2016, 10, 258-263.	0.2	6
74	A comparative study of preload-adjusted maximal and peak power: assessment of ventricular performance in clinical practice. Anaesthesia, 2005, 60, 35-40.	3.8	5
75	A Reflection on Using Observational Measures for the Assessment and/or Monitoring of Level of Consciousness in Palliatively Sedated Patients. Journal of Palliative Medicine, 2020, 23, 442-443.	1.1	5
76	Morbidity or mortality as endpoint for clinical trials in intensive care. Lancet, The, 1995, 345, 986-987.	13.7	4
77	Lower anticoagulation for mechanical heart valves: Experience with the ATS bileaflet valve. Heart Lung and Circulation, 2003, 12, 164-171.	0.4	4
78	Impact of Volume Loading on Systolic Mitral Annular Velocity (Sm) by Tissue Doppler Imaging. Anesthesia and Analgesia, 2005, 100, 901.	2.2	4
79	The Failing Heart Under Stress: Echocardiography is an Essential Monitoring Tool in the Intensive Care Unit. Seminars in Cardiothoracic and Vascular Anesthesia, 2006, 10, 111-115.	1.0	4
80	Sedation with inhaled agents in the ICU: what are we waiting for?. Journal of Clinical Monitoring and Computing, 2018, 32, 593-594.	1.6	4
81	Early repolarization pattern as a predictor of atrial fibrillation recurrence following radiofrequency pulmonary vein isolation. Annals of Noninvasive Electrocardiology, 2019, 24, e12627.	1.1	4
82	In vitro efficiency of 16 different Ca(OH) ₂ based CO ₂ absorbent brands. Journal of Clinical Monitoring and Computing, 2019, 33, 1081-1087.	1.6	4
83	Identification of the cerebral effects of paracetamol in healthy subjects: an fMRI study. British Journal of Pain, 2020, 14, 23-30.	1.5	4
84	Acceptance of mHealth among health professionals: a case study on anesthesia practitioners. BMC Anesthesiology, 2020, 20, 55.	1.8	4
85	COVID-19 and Cushing's disease in a patient with ACTH-secreting pituitary carcinoma. Endocrinology, Diabetes and Metabolism Case Reports, 2022, 2022, .	0.5	4
86	TECHNICAL ASPECTS OF JUGULAR BULB OXIMETRY. Critical Care Medicine, 1993, 21, S205.	0.9	3
87	Case 4: 2001: Perioperative transesophageal echocardiography as a diagnostic and monitoring tool in pediatric oncologic surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2001, 15, 118-120.	1.3	3
88	Ventilator-associated Pneumonia and Cuff Shape. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 485-485.	5.6	3
89	Repeat procedures after second-generation cryoballoon ablation as an index procedure for persistent atrial fibrillation: one-year follow-up. Journal of Interventional Cardiac Electrophysiology, 2016, 47, 365-371.	1.3	3
90	Propofol for Induction and Maintenance of Anesthesia in Patients With Brugada Syndrome: A Single-Center, 25-Year, Retrospective Cohort Analysis. Anesthesia and Analgesia, 2021, 132, 1645-1653.	2.2	3

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91	Assessment of loading conditions with cardiac ultrasound. A comprehensive review. <i>Anaesthesiology Intensive Therapy</i> , 2015, 47, 464-470.	1.0	3
92	Cardiac ultrasound: a true haemodynamic monitor?. <i>Anaesthesiology Intensive Therapy</i> , 2018, 50, 303-310.	1.0	3
93	JUGULAR BULB METABOLIC MONITORING DURING HYPERVENTILATION IN SEVERE HEAD TRAUMA PATIENTS. <i>Critical Care Medicine</i> , 1993, 21, S234.	0.9	2
94	Fistulized mycotic aneurysm of the aortic arch. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2002, 16, 207-210.	1.3	2
95	Hydraulic Bench Testing of the TruCATHTM/TruCCOMTM Continuous Cardiac Output Monitor. <i>Cardiovascular Engineering (Dordrecht, Netherlands)</i> , 2003, 3, 93-102.	1.0	2
96	Myocardial Doppler velocities as a marker of prognosis in the ICU. <i>Critical Care</i> , 2007, 11, 167.	5.8	2
97	Strategies to prevent ventilation-associated pneumonia. <i>European Journal of Anaesthesiology</i> , 2015, 32, 370.	1.7	2
98	A new minimally invasive technique for lead revision of perc-paddle leads. <i>Acta Neurochirurgica</i> , 2018, 160, 831-833.	1.7	2
99	Effects of perioperative hemodynamic variations on mitral regurgitation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1995, 9, 113-114.	1.3	1
100	An unexpected echocardiographic image after repair of an aortic aneurysm. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1999, 13, 231-232.	1.3	1
101	Corticosteroids in acute respiratory distress syndrome: Back to basics to solve the puzzle*. <i>Critical Care Medicine</i> , 2008, 36, 2700-2701.	0.9	1
102	Does Cuff Material and Design Help Prevent Ventilator-Associated Pneumonia?. <i>Chest</i> , 2012, 142, 1358-1359.	0.8	1
103	Could Brugada Syndrome complicate anesthesia?. <i>Journal of Clinical Anesthesia</i> , 2017, 39, 105.	1.6	1
104	Should We Always Continue β -Blocking Agents Preoperatively?. <i>Anesthesia and Analgesia</i> , 2018, 127, e107.	2.2	1
105	Does the choice of colloids interfere with the outcome in critically ill patients? A critical appraisal. <i>Journal of Anaesthesiology Clinical Pharmacology</i> , 2015, 31, 293.	0.7	1
106	Assessment of Left Ventricular Dimensions by Transoesophageal Echocardiography in Patients During Coronary Artery Bypass Surgery. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2018, 45, 367-373.	0.8	1
107	Left Ventricular Assist with a Vortex Pump without using Anticoagulants. <i>Critical Care Medicine</i> , 1988, 16, 650.	0.9	0
108	Continuous cardiac output monitoring in postcardiotomy low output syndrome. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1995, 9, 348-349.	1.3	0

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109	Gas exchange of lung-protective ventilation strategies in pigs with normal lungs. <i>Critical Care Medicine</i> , 2007, 35, 1448.	0.9	0
110	Evaluation of echocardiographic indices of systolic function. <i>Anaesthesia</i> , 2007, 62, 748-749.	3.8	0
111	Is Intrathecal lidocaine administration risk-free in rats with neuropathic pain? Reply to [Effects of intrathecal lidocaine on hyperalgesia and allodynia following chronic constriction injury in rats. <i>Eur J Pain</i> 13 (2009) 130-137]. <i>European Journal of Pain</i> , 2009, 13, 890-890.	2.8	0
112	Prevention of pulmonary dysfunction after cardiac surgery by a vital capacity maneuver: Is it so simple?*. <i>Critical Care Medicine</i> , 2009, 37, 762-763.	0.9	0
113	Hemodynamic Instability in Cardiac Surgical Patients. , 2011, , 235-245.		0
114	Transesophageal Echocardiography: Principal Views. , 2011, , 31-39.		0
115	Importance of preoperative anaesthetic consultation in perioperative medicine. <i>Acta Clinica Belgica</i> , 2014, 69, 200-203.	1.2	0
116	The value of poly-urethane cuffed endotracheal tubes. <i>Critical Care</i> , 2016, 20, 290.	5.8	0
117	Effectiveness of isocapnic hyperventilation: It is not the technique, it is the way you use it. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 835-836.	1.6	0
118	The effect of isocapnic hyperventilation on early recovery after remifentanyl/sevoflurane anesthesia in O ₂ /air: A randomized trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 455-460.	1.6	0
119	Repetitive neuromuscular monitoring and stimulating electrode fatigue. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 1241-1243.	1.6	0
120	Bacterial surinfection and venous thromboembolism in critically ill ICU patients with COVID-19: What is the relationship?. <i>Thrombosis Research</i> , 2021, 206, 139-141.	1.7	0
121	Application of Spinal Microdialysis in Freely Moving Rats. <i>Neuromethods</i> , 2013, , 157-174.	0.3	0
122	Early Goal-directed Therapy: A Role for Echocardiography. <i>International Journal of Perioperative Ultrasound and Applied Technologies</i> , 2013, 2, 1-5.	0.0	0
123	A Response to: Letter to the Editor Regarding "Neurophysiological Assessments During Continuous Sedation Until Death Put Validity of Observational Assessments Into Question: A Prospective Observational Study". <i>Pain and Therapy</i> , 2022, , 1.	3.2	0