

Marcin Wasowicz

List of Publications by Year in descending order

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112
papers

3,107
citations

147801

31
h-index

168389

53
g-index

116
all docs

116
docs citations

116
times ranked

3402
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of functional capacity before major non-cardiac surgery: an international, prospective cohort study. <i>Lancet, The</i> , 2018, 391, 2631-2640.	13.7	317
2	Tranexamic acid: a clinical review. <i>Anaesthesiology Intensive Therapy</i> , 2015, 47, 339-350.	1.0	191
3	Cerebral Oximetry Monitoring to Maintain Normal Cerebral Oxygen Saturation during High-risk Cardiac Surgery. <i>Anesthesiology</i> , 2016, 124, 826-836.	2.5	187
4	Risk of Elective Major Noncardiac Surgery After Coronary Stent Insertion. <i>Circulation</i> , 2012, 126, 1355-1362.	1.6	145
5	The role of point-of-care platelet function testing in predicting postoperative bleeding following cardiac surgery: a systematic review and meta-analysis. <i>Anaesthesia</i> , 2015, 70, 715-731.	3.8	101
6	The association between tranexamic acid and convulsive seizures after cardiac surgery: a multivariate analysis in 11 529 patients. <i>Anaesthesia</i> , 2014, 69, 124-130.	3.8	100
7	Safety and Efficacy of Volatile Anesthetic Agents Compared With Standard Intravenous Midazolam/Propofol Sedation in Ventilated Critical Care Patients: A Meta-analysis and Systematic Review of Prospective Trials. <i>Anesthesia and Analgesia</i> , 2017, 124, 1190-1199.	2.2	92
8	Volatile Anesthetics. Is a New Player Emerging in Critical Care Sedation?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1202-1212.	5.6	85
9	Integration of the Duke Activity Status Index into preoperative risk evaluation: a multicentre prospective cohort study. <i>British Journal of Anaesthesia</i> , 2020, 124, 261-270.	3.4	83
10	Hospital administrative database underestimates delirium rate after cardiac surgery. <i>Canadian Journal of Anaesthesia</i> , 2010, 57, 898-902.	1.6	79
11	Genotoxicity of inhalation anesthetics halothane and isoflurane in human lymphocytes studied in vitro using the comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 439, 199-206.	1.7	76
12	Delirium following vascular surgery: increased incidence with preoperative β -blocker administration. <i>Canadian Journal of Anaesthesia</i> , 2009, 56, 793-801.	1.6	65
13	Platelet transfusions are not associated with increased morbidity or mortality in cardiac surgery. <i>Canadian Journal of Anaesthesia</i> , 2006, 53, 279-287.	1.6	63
14	The interaction of carbon dioxide and hypoxia in the control of cerebral blood flow. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 464, 345-351.	2.8	58
15	Pharmacokinetics of tranexamic acid in patients undergoing cardiac surgery with use of cardiopulmonary bypass*. <i>Anaesthesia</i> , 2012, 67, 1242-1250.	3.8	57
16	Volatile-Based Short-Term Sedation in Cardiac Surgical Patients. <i>Critical Care Medicine</i> , 2015, 43, 1062-1069.	0.9	56
17	Tranexamic Acid Dosing for Cardiac Surgical Patients With Chronic Renal Dysfunction: A New Dosing Regimen. <i>Anesthesia and Analgesia</i> , 2018, 127, 1323-1332.	2.2	56
18	Determinants of complications with recombinant factor VIIa for refractory blood loss in cardiac surgery. <i>Canadian Journal of Anaesthesia</i> , 2006, 53, 802-809.	1.6	54

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19	Measurement of Exercise Tolerance before Surgery (METS) study: a protocol for an international multicentre prospective cohort study of cardiopulmonary exercise testing prior to major non-cardiac surgery. <i>BMJ Open</i> , 2016, 6, e010359.	1.9	50
20	A derived and validated score to predict prolonged mechanical ventilation in patients undergoing cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 108-115.	0.8	48
21	Using the 6-minute walk test to predict disability-free survival after major surgery. <i>British Journal of Anaesthesia</i> , 2019, 122, 111-119.	3.4	46
22	Technical report: Analysis of citrated blood with thromboelastography: comparison with fresh blood samples. <i>Canadian Journal of Anaesthesia</i> , 2008, 55, 284-289.	1.6	45
23	Solid-phase microextraction. How far are we from clinical practice?. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1505-1512.	11.4	42
24	Determination of tranexamic acid concentration by solid phase microextraction and liquid chromatography-tandem mass spectrometry: First step to in vivo analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3781-3787.	2.3	40
25	Type of Anesthesia and Postoperative Delirium After Vascular Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 458-461.	1.3	40
26	Application of Solid Phase Microextraction for Quantitation of Polyunsaturated Fatty Acids in Biological Fluids. <i>Analytical Chemistry</i> , 2014, 86, 12022-12029.	6.5	38
27	A comparison of minimally invasive and standard aortic valve replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1030-1039.	0.8	38
28	The Effectiveness and Safety of Tranexamic Acid in Orthotopic Liver Transplantation Clinical Practice. <i>Transplantation</i> , 2017, 101, 1658-1665.	1.0	36
29	The opioid crisis in North America: facts and future lessons for Europe. <i>Anaesthesiology Intensive Therapy</i> , 2020, 52, 139-147.	1.0	35
30	Development of SPME method for concomitant sample preparation of rocuronium bromide and tranexamic acid in plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 92, 183-192.	2.8	34
31	The Incremental Value of Thrombelastography for Prediction of Excessive Blood Loss After Cardiac Surgery. <i>Anesthesia and Analgesia</i> , 2010, 111, 331-338.	2.2	33
32	La réduction de l'utilisation des agents anesthésiques volatils dans l'environnement de l'unité des soins intensifs cardiovasculaires: un rapport technique. <i>Canadian Journal of Anaesthesia</i> , 2013, 60, 38-43.	1.6	31
33	Early Complications and Immediate Postoperative Outcomes of Paravalvular Leaks After Valve Replacement Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, 610-614.	1.3	29
34	Therapeutic Monitoring of Tranexamic Acid Concentration: High-Throughput Analysis With Solid-Phase Microextraction. <i>Therapeutic Drug Monitoring</i> , 2012, 34, 31-37.	2.0	28
35	The use of volatile anesthetic agents for long-term critical care sedation (VALTS): study protocol for a pilot randomized controlled trial. <i>Trials</i> , 2015, 16, 560.	1.6	28
36	Solid phase microextraction coupled to mass spectrometry via a microfluidic open interface for rapid therapeutic drug monitoring. <i>Analyst</i> , 2019, 144, 3721-3728.	3.5	28

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37	A simplified (modified) Duke Activity Status Index (M-DASI) to characterise functional capacity: a secondary analysis of the Measurement of Exercise Tolerance before Surgery (METS) study. <i>British Journal of Anaesthesia</i> , 2021, 126, 181-190.	3.4	27
38	Predictor parameters of liver viability during porcine normothermic ex situ liver perfusion in a model of liver transplantation with marginal grafts. <i>American Journal of Transplantation</i> , 2019, 19, 2991-3005.	4.7	25
39	Pharmacokinetic modeling of tranexamic acid for patients undergoing cardiac surgery with normal renal function and model simulations for patients with renal impairment. <i>Biopharmaceutics and Drug Disposition</i> , 2015, 36, 294-307.	1.9	24
40	Personalized Ventilation to Multiple Patients Using a Single Ventilator: Description and Proof of Concept. , 2020, 2, e0118.		24
41	Bivalirudin anticoagulation for cardiopulmonary bypass in a patient with heparin-induced thrombocytopenia. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, 1093-1098.	1.6	23
42	Preoperative values of inflammatory markers predict clinical outcomes in patients after CABG, regardless of the use of cardiopulmonary bypass. <i>Indian Heart Journal</i> , 2016, 68, S10-S15.	0.5	21
43	Effectiveness of platelet inhibition on major adverse cardiac events in non-cardiac surgery after percutaneous coronary intervention: a prospective cohort study. <i>British Journal of Anaesthesia</i> , 2016, 116, 493-500.	3.4	21
44	Efficacy of a simple scavenging system for long-term critical care sedation using volatile agent-based anesthesia. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 630-632.	1.6	20
45	Current Evidence and Future Directions of Tranexamic Acid Use, Efficacy, and Dosing for Major Surgical Procedures. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 782-790.	1.3	20
46	Use of a novel technique, solid phase microextraction, to measure tranexamic acid in patients undergoing cardiac surgery. <i>Canadian Journal of Anaesthesia</i> , 2012, 59, 14-20.	1.6	19
47	Review of the Transitional Pain Service as a method of postoperative opioid weaning and a service aimed at minimizing the risk of chronic post-surgical pain. <i>Anaesthesiology Intensive Therapy</i> , 2020, 52, 148-153.	1.0	19
48	Early versus late tracheostomy in cardiovascular intensive care patients. <i>Anaesthesiology Intensive Therapy</i> , 2016, 48, 89-94.	1.0	17
49	The Utility of Thromboelastography for Guiding Recombinant Activated Factor VII Therapy for Refractory Hemorrhage After Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2009, 23, 828-834.	1.3	16
50	The Connective Tissue Compartment in the Terminal Region of the Developing Rat Lung. <i>Cells Tissues Organs</i> , 1996, 156, 268-282.	2.3	15
51	Isocapnic Hyperpnoea Shortens Postanesthetic Care Unit Stay After Isoflurane Anesthesia. <i>Anesthesia and Analgesia</i> , 2010, 111, 403-408.	2.2	15
52	Metabolic profiling of plasma from cardiac surgical patients concurrently administered with tranexamic acid: DI-SPMEâ€“LCâ€“MS analysis. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 6-13.	5.3	15
53	Association of preoperative anaemia with cardiopulmonary exercise capacity and postoperative outcomes in noncardiac surgery: a substudy of the Measurement of Exercise Tolerance before Surgery (METS) Study. <i>British Journal of Anaesthesia</i> , 2019, 123, 161-169.	3.4	15
54	Increased lung clearance of isoflurane shortens emergence in obesity: a prospective randomizedâ€“controlled trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2011, 55, 995-1001.	1.6	14

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55	Postoperative hypercapnia-induced hyperpnoea accelerates recovery from sevoflurane anaesthesia: a prospective randomised controlled trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2013, 57, 623-630.	1.6	14
56	Use of Inhaled Volatile Anesthetics for Longer Term Critical Care Sedation: A Pilot Randomized Controlled Trial. , 2020, 2, e0281.		14
57	Therapeutic drug monitoring of tranexamic acid in plasma and urine of renally impaired patients using solid phase microextraction. <i>Talanta</i> , 2021, 225, 121945.	5.5	13
58	Ultrastructural changes in the lung alveoli after cardiac surgical operations with the use of cardiopulmonary bypass (CPB). <i>Polish Journal of Pathology</i> , 1999, 50, 189-96.	0.3	13
59	Comparison of propofol-based versus volatile-based anaesthesia and postoperative sedation in cardiac surgical patients: a prospective, randomized, study. <i>Anaesthesiology Intensive Therapy</i> , 2018, 50, 200-209.	1.0	12
60	Intraoperative migration of an inferior vena cava tumour detected by transesophageal echocardiography. <i>Canadian Journal of Anaesthesia</i> , 2011, 58, 468-470.	1.6	11
61	Comparing early liver graft function from heart beating and living donors: A pilot study aiming to identify new biomarkers of liver injury. <i>Biopharmaceutics and Drug Disposition</i> , 2017, 38, 326-339.	1.9	11
62	Intraoperative and Early Postoperative Management of Heart Transplantation: Anesthetic Implications. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 2189-2206.	1.3	11
63	Ultrastructural studies on selected elements of the extracellular matrix in the developing rat lung alveolus. <i>Folia Histochemica Et Cytobiologica</i> , 1998, 36, 3-13.	1.5	11
64	Air-blood barrier injury during cardiac operations with the use of cardiopulmonary bypass (CPB). An old story?. <i>Scandinavian Cardiovascular Journal</i> , 2003, 37, 216-221.	1.2	10
65	Untargeted metabolomics profiling of skeletal muscle samples from malignant hyperthermia susceptible patients. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 761-772.	1.6	9
66	Quantitative age-related changes in apical dendrites and dendritic spines of CA1 pyramidal neurons among senescence accelerated mice (SAMP1/9). <i>Mechanisms of Ageing and Development</i> , 1996, 90, 63-73.	4.6	8
67	Postoperative Transesophageal Echocardiography Diagnosis of Inferior Vena Cava Obstruction After Mitral Valve Replacement. <i>Anesthesia and Analgesia</i> , 2011, 113, 1343-1346.	2.2	8
68	Intubation outside of the operating room: new challenges and opportunities in COVID-19 era. <i>Current Opinion in Anaesthesiology</i> , 2020, 33, 608-611.	2.0	8
69	Anaphylaxis and cardiac surgery for hypertrophic obstructive cardiomyopathy: a case report and review of anaesthetic management. <i>Anaesthesiology Intensive Therapy</i> , 2016, 48, 252-256.	1.0	8
70	Expanding the use of volatile anesthetic agents beyond the operating room. <i>Canadian Journal of Anaesthesia</i> , 2014, 61, 905-908.	1.6	5
71	Intraoperative Transesophageal Echocardiographic Diagnosis of Acute Budd-Chiari Syndrome After Extended Right Hepatectomy. <i>A & A Case Reports</i> , 2016, 7, 13-15.	0.7	5
72	Function of the Respiratory System in Elderly Patients After Aortic Valve Replacement. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016, 30, 1244-1253.	1.3	5

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73	A Case Report of Paradoxical Air Embolism Caused by Intrapulmonary Shunting During Liver Transplantation. <i>Transplantation Direct</i> , 2017, 3, e134.	1.6	5
74	In reply: Anesthesia scavenging in critical care areas: beware of possible hazards and questionable efficacy. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 98-99.	1.6	5
75	Snaring swans: intraoperative knotting of pulmonary artery catheters. <i>Anaesthesiology Intensive Therapy</i> , 2016, 48, 66-70.	1.0	5
76	Technology III: in-line vaporizer with reflector. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 647-650.	1.6	4
77	High volatile anaesthetic conservation with a digital in-line vaporizer and a reflector. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 177-185.	1.6	4
78	Pulmonary Surfactant Migrates into the Alveolar Capillaries of Newborn Rats: An Immunoelectron Microscopic Study. <i>Cells Tissues Organs</i> , 1996, 156, 11-21.	2.3	3
79	Opportunity Knocks? The Expansion of Volatile Agent Use in New Clinical Settings. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 1946-1954.	1.3	3
80	To the Editor. <i>Anesthesia and Analgesia</i> , 2019, 128, e125-e126.	2.2	3
81	Lipid peroxidation (LO) during cardiac operations with use of cardiopulmonary bypass (CPB) measured by head-space gas chromatography. <i>European Journal of Anaesthesiology</i> , 2001, 18, 19.	1.7	2
82	Anti-platelet therapy and the anaesthesiologist: controversies and unresolved clinical dilemmas continue. <i>British Journal of Anaesthesia</i> , 2019, 123, e1-e2.	3.4	2
83	Esophageal Perforation After Transesophageal Echocardiography During Cardiac Surgery and Delayed Diagnosis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 587-588.	1.3	2
84	Recent advances in nonoperating room anesthesia for cardiac procedures. <i>Current Opinion in Anaesthesiology</i> , 2020, 33, 601-607.	2.0	2
85	Successful use of recombinant activated coagulation factor VII in a patient with veno-venous ECMO after lung transplantation. <i>Anaesthesiology Intensive Therapy</i> , 2015, 47, 188-189.	1.0	2
86	A Kinked Epidural Needle Tip Preventing Placement of an Epidural Catheter. <i>A & A Case Reports</i> , 2017, 9, 186.	0.7	1
87	Transesophageal imaging of cor triatriatum sinistrum. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 148-149.	1.6	1
88	Anesthesia for Combined Cardiac and Thoracic Procedures. , 2011, , 453-464.		1
89	Impact of routine tranexamic acid in cardiac surgery: Single centre review. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, A63-A63.	1.6	0
90	Diastolic dysfunction and new onset of af after CABG. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, A73-A74.	1.6	0

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91	Changes of the expression of insulin-like growth factor 1 and its two receptors in the periphery of the developing lung are parallel to ultrastructural capillary changes during perinatal period. Open Medicine (Poland), 2006, 1, 2-11.	1.3	0
92	Impact of a treatment protocol for excessive blood loss in cardiac surgery. Canadian Journal of Anaesthesia, 2006, 53, 26370-26370.	1.6	0
93	Postoperative mi after non cardiac surgery in patients with previous pci. Canadian Journal of Anaesthesia, 2007, 54, 44591-44591.	1.6	0
94	Anesthesia for trans-catheter aortic valve implantation: A case series. Canadian Journal of Anaesthesia, 2008, 55, 4743701-4743702.	1.6	0
95	Isocapnic hyperpnoea and recovery time after anesthesia with isoflurane. Canadian Journal of Anaesthesia, 2008, 55, 4752411-4752412.	1.6	0
96	Can tromboelastography guide recombinant factor VIIA therapy for refractory hemorrhage after cardiac surgery? An observational study. Canadian Journal of Anaesthesia, 2008, 55, 4754571-4754572.	1.6	0
97	Type of anesthesia and postoperative delirium after vascular surgery. European Journal of Anaesthesiology, 2011, 28, 64.	1.7	0
98	953. Critical Care Medicine, 2013, 41, A239.	0.9	0
99	Type of Anesthesia and Postoperative Delirium after Vascular Surgery: Reply. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, e62.	1.3	0
100	589. Critical Care Medicine, 2015, 43, 149.	0.9	0
101	The gas has the last laugh. Canadian Journal of Anaesthesia, 2018, 65, 148-151.	1.6	0
102	Impact of Volatile Anesthetics for Long-Term Sedation in Critically Ill Patients on Cognitive Impairment at 3-Months Follow-Up. , 2019, , .		0
103	Anaesthesia for Combined Cardiac and Thoracic Procedures. , 2019, , 661-673.		0
104	Quadricuspid aortic valve. Anaesthesiology Intensive Therapy, 2019, 51, 420.	1.0	0
105	Tranexamic Acid Pharmacokinetics and Dosing in Prolonged Cardiac Surgery. , 2019, , .		0
106	Practical Trends in Anesthesia and Intensive Care 2018. Anesthesia and Analgesia, 2020, 130, e76-e77.	2.2	0
107	Transesophageal Echocardiographic Visualization of Alternative Technique of Pulmonary Vein Anastomosis in Double Lung Transplantation. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1998-1999.	1.3	0
108	Use of Inhaled Volatile Anesthetics for Longer-Term Critical Care Sedation (VALTS): A Pilot Randomized Controlled Trial. , 2021, , .		0

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109	Nocturnal desaturation and ECG ST-T abnormalities in the peri-operative period in patients undergoing infrarenal aortic reconstructon, preliminary report. European Journal of Anaesthesiology, 1997, 14, 539-540.	1.7	0
110	In response to: Anaphylaxis during cardiac surgery for hypertrophic cardiomyopathy: pathophysiologic and therapeutic considerations. Anaesthesiology Intensive Therapy, 2017, 49, 81-82.	1.0	0
111	Anesthesia for Combined Cardiac and Thoracic Procedures. , 2021, , 149-160.		0
112	A randomised controlled feasibility trial of a clinical protocol to manage hypotension during major non-cardiac surgery. Anaesthesia, 2022, 77, 795-807.	3.8	0