

Mikhail Y Kirov

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

5,282
citations

172386

29
h-index

88593

70
g-index

112
all docs

112
docs citations

112
times ranked

7041
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Elective surgery cancellations due to the COVID-19 pandemic: global predictive modelling to inform surgical recovery plans. <i>British Journal of Surgery</i> , 2020, 107, 1440-1449. | 0.1 | 931 |
| 2 | Fluid challenges in intensive care: the FENICE study. <i>Intensive Care Medicine</i> , 2015, 41, 1529-1537. | 3.9 | 442 |
| 3 | Global patient outcomes after elective surgery: prospective cohort study in 27 low-, middle- and high-income countries. <i>British Journal of Anaesthesia</i> , 2016, 117, 601-609. | 1.5 | 400 |
| 4 | Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. <i>Anaesthesia</i> , 2021, 76, 748-758. | 1.8 | 365 |
| 5 | SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. <i>British Journal of Surgery</i> , 2021, 108, 1056-1063. | 0.1 | 321 |
| 6 | Infusion of methylene blue in human septic shock: A pilot, randomized, controlled study. <i>Critical Care Medicine</i> , 2001, 29, 1860-1867. | 0.4 | 246 |
| 7 | Effect of a Recombinant Human Soluble Thrombomodulin on Mortality in Patients With Sepsis-Associated Coagulopathy. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 1993. | 3.8 | 221 |
| 8 | Low-Cardiac-Output Syndrome After Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 291-308. | 0.6 | 191 |
| 9 | Perioperative goal-directed hemodynamic therapy based on radial arterial pulse pressure variation and continuous cardiac index trending reduces postoperative complications after major abdominal surgery: a multi-center, prospective, randomized study. <i>Critical Care</i> , 2013, 17, R191. | 2.5 | 177 |
| 10 | Extravascular lung water determined with single transpulmonary thermodilution correlates with the severity of sepsis-induced acute lung injury. <i>Critical Care Medicine</i> , 2006, 34, 1647-1653. | 0.4 | 150 |
| 11 | Tranexamic Acid in Patients Undergoing Noncardiac Surgery. <i>New England Journal of Medicine</i> , 2022, 386, 1986-1997. | 13.9 | 125 |
| 12 | Critical care admission following elective surgery was not associated with survival benefit: prospective analysis of data from 27 countries. <i>Intensive Care Medicine</i> , 2017, 43, 971-979. | 3.9 | 108 |
| 13 | Flagellin from Gram-Negative Bacteria is a Potent Mediator of Acute Pulmonary Inflammation in Sepsis. <i>Shock</i> , 2003, 19, 131-137. | 1.0 | 99 |
| 14 | Extravascular lung water assessed by transpulmonary single thermodilution and postmortem gravimetry in sheep. <i>Critical Care</i> , 2004, 8, R451. | 2.5 | 99 |
| 15 | 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. | 1.5 | 92 |
| 16 | SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. <i>Anaesthesia</i> , 2022, 77, 28-39. | 1.8 | 82 |
| 17 | Single transpulmonary thermodilution and continuous monitoring of central venous oxygen saturation during off-pump coronary surgery. <i>Acta Anaesthesiologica Scandinavica</i> , 2009, 53, 505-514. | 0.7 | 73 |
| 18 | Complications related to less-invasive haemodynamic monitoring. <i>British Journal of Anaesthesia</i> , 2011, 106, 482-486. | 1.5 | 71 |

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|----|--|-----|-----------|
| 19 | Use of failure-to-rescue to identify international variation in postoperative care in low-, middle- and high-income countries: a 7-day cohort study of elective surgery. <i>British Journal of Anaesthesia</i> , 2017, 119, 258-266. | 1.5 | 67 |
| 20 | Perioperative haemodynamic therapy. <i>Current Opinion in Critical Care</i> , 2010, 16, 384-392. | 1.6 | 50 |
| 21 | Extravascular lung water after pneumonectomy and one-lung ventilation in sheep. <i>Critical Care Medicine</i> , 2007, 35, 1550-1559. | 0.4 | 48 |
| 22 | Novel endothelin receptor antagonist attenuates endotoxin-induced lung injury in sheep. <i>Critical Care Medicine</i> , 2004, 32, 766-773. | 0.4 | 45 |
| 23 | Diagnostics and intensive therapy of Acute Respiratory Distress Syndrome (Clinical guidelines of the Tj ETQq1 1 0.784314 rgBT /Over the world and Reanimatologiya /Anesteziologiya I Reanimatologiya, 2020, , 5. | 0.2 | 44 |
| 24 | Validation of cardiac output monitoring based on uncalibrated pulse contour analysis vs transpulmonary thermodilution during off-pump coronary artery bypass grafting. <i>British Journal of Anaesthesia</i> , 2014, 112, 1024-1031. | 1.5 | 40 |
| 25 | Effects of preoperative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. <i>Anaesthesia</i> , 2021, 76, 1454-1464. | 1.8 | 40 |
| 26 | The effects of advanced monitoring on hemodynamic management in critically ill patients: a pre and post questionnaire study. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 511-518. | 0.7 | 38 |
| 27 | Tezosentan-induced attenuation of lung injury in endotoxemic sheep is associated with reduced activation of protein kinase C. <i>Critical Care</i> , 2005, 9, R211. | 2.5 | 36 |
| 28 | Fluid Therapy: Double-Edged Sword during Critical Care?. <i>BioMed Research International</i> , 2015, 2015, 1-14. | 0.9 | 36 |
| 29 | A new and simple definition for acute lung injury*. <i>Critical Care Medicine</i> , 2012, 40, 1004-1006. | 0.4 | 34 |
| 30 | Inhaled aerosolised recombinant human activated protein C ameliorates endotoxin-induced lung injury in anaesthetised sheep. <i>Critical Care</i> , 2009, 13, R51. | 2.5 | 28 |
| 31 | Acute Kidney Injury and Risk of Death After Elective Surgery: Prospective Analysis of Data From an International Cohort Study. <i>Anesthesia and Analgesia</i> , 2019, 128, 1022-1029. | 1.1 | 28 |
| 32 | A Phase-3 Study to Compare Delafloxacin to Moxifloxacin for the Treatment of Adults with Community-acquired Bacterial Pneumonia (DEFINE-CABP). <i>Open Forum Infectious Diseases</i> , 2019, 7, ofz514. | 0.4 | 26 |
| 33 | Radiographic lung density assessed by computed tomography is associated with extravascular lung water content. <i>Acta Anaesthesiologica Scandinavica</i> , 2010, 54, 1018-1026. | 0.7 | 24 |
| 34 | Comparison of Goal-Directed Hemodynamic Optimization Using Pulmonary Artery Catheter and Transpulmonary Thermodilution in Combined Valve Repair: A Randomized Clinical Trial. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-10. | 0.4 | 23 |
| 35 | Estimated continuous cardiac output based on pulse wave transit time in off-pump coronary artery bypass grafting: a comparison with transpulmonary thermodilution. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 361-370. | 0.7 | 22 |
| 36 | Measuring extravascular lung water: animals and humans are not the same. <i>Critical Care</i> , 2006, 10, 415. | 2.5 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Recombinant human activated protein C attenuates endotoxin-induced lung injury in awake sheep. <i>Critical Care</i> , 2008, 12, R104. | 2.5 | 20 |
| 38 | Single transpulmonary thermodilution in off-pump coronary artery bypass grafting: haemodynamic changes and effects of different anaesthetic techniques. <i>Acta Anaesthesiologica Scandinavica</i> , 2007, 51, 426-433. | 0.7 | 19 |
| 39 | Automated Weaning from Mechanical Ventilation after Off-Pump Coronary Artery Bypass Grafting. <i>Frontiers in Medicine</i> , 2017, 4, 31. | 1.2 | 19 |
| 40 | Total Intravenous Versus Volatile Induction and Maintenance of Anesthesia in Elective Carotid Endarterectomy: Effects on Cerebral Oxygenation and Cognitive Functions. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 1701-1708. | 0.6 | 17 |
| 41 | Evolution Over Time of Ventilatory Management and Outcome of Patients With Neurologic Disease*. <i>Critical Care Medicine</i> , 2021, 49, 1095-1106. | 0.4 | 17 |
| 42 | Effect of intra-abdominal pressure on respiratory function in patients undergoing ventral hernia repair. <i>World Journal of Critical Care Medicine</i> , 2013, 2, 9. | 0.8 | 16 |
| 43 | Recombinant human activated protein C ameliorates oleic acid-induced lung injury in awake sheep. <i>Critical Care</i> , 2008, 12, R146. | 2.5 | 13 |
| 44 | Increased Extravascular Lung Water Reduces the Efficacy of Alveolar Recruitment Maneuver in Acute Respiratory Distress Syndrome. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-7. | 0.4 | 13 |
| 45 | Prospective observational cohort study on grading the severity of postoperative complications in global surgery research. <i>British Journal of Surgery</i> , 2019, 106, e73-e80. | 0.1 | 13 |
| 46 | Perioperative management of patients with coronary artery disease. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2020, , 5. | 0.2 | 13 |
| 47 | Extravascular lung water levels are associated with mortality: a systematic review and meta-analysis. <i>Critical Care</i> , 2022, 26, . | 2.5 | 12 |
| 48 | Combination of intravenously infused methylene blue and inhaled nitric oxide ameliorates endotoxin-induced lung injury in awake sheep. <i>Critical Care Medicine</i> , 2003, 31, 179-186. | 0.4 | 11 |
| 49 | Protective Ventilation Improves Gas Exchange, Reduces Incidence of Atelectases, and Affects Metabolic Response in Major Pancreatoduodenal Surgery. <i>Frontiers in Medicine</i> , 2016, 3, 66. | 1.2 | 11 |
| 50 | Continuous Monitoring of Lactate Using Intravascular Microdialysis in High-Risk Cardiac Surgery: A Prospective Observational Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 37-44. | 0.6 | 11 |
| 51 | Anesthesia and intensive care for patients with COVID-19. Russian Federation of anesthesiologists and reanimatologists guidelines. <i>Alexander Saltanov Intensive Care Herald</i> , 2020, , 9-120. | 0.2 | 11 |
| 52 | Aerosolized Linear Polyethylenimine-Nitric Oxide/Nucleophile Adduct Attenuates Endotoxin-induced Lung Injury in Sheep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 1436-1442. | 2.5 | 10 |
| 53 | Epidural anesthesia and postoperative analgesia with ropivacaine and fentanyl in off-pump coronary artery bypass grafting: a randomized, controlled study. <i>BMC Anesthesiology</i> , 2011, 11, 17. | 0.7 | 10 |
| 54 | Normothermic cardiopulmonary bypass increases cerebral tissue oxygenation during combined valve surgery: a single-centre, randomized trial. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 16, 595-601. | 0.5 | 10 |

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|----|--|-----|-----------|
| 55 | Lung Ultrasonography and Cardiac Surgery: A Narrative Review. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 3113-3124. | 0.6 | 10 |
| 56 | Rationale and design of the PeriOperative ISchemic Evaluation-3 (POISE-3): a randomized controlled trial evaluating tranexamic acid and a strategy to minimize hypotension in noncardiac surgery. <i>Trials</i> , 2022, 23, 101. | 0.7 | 10 |
| 57 | Severe community-acquired pneumonia in adults. Clinical recommendations from Russian Federation of Anaesthesiologists and Reanimatologists. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2022, , 6. | 0.2 | 10 |
| 58 | Rewarming From Hypothermic Cardiac Arrest Applying Extracorporeal Life Support: A Systematic Review and Meta-Analysis. <i>Frontiers in Medicine</i> , 2021, 8, 641633. | 1.2 | 9 |
| 59 | Physiological Changes in Subjects Exposed to Accidental Hypothermia: An Update. <i>Frontiers in Medicine</i> , 2022, 9, 824395. | 1.2 | 9 |
| 60 | Quantitative computed tomography in comparison with transpulmonary thermodilution for the estimation of pulmonary fluid status: a clinical study in critically ill patients. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 5-12. | 0.7 | 8 |
| 61 | Cardiogenic shock associated with acute coronary syndrome: the current state of the problem of diagnostics and intensive care. Article. <i>Alexander Saltanov Intensive Care Herald</i> , 2020, , 73-85. | 0.2 | 8 |
| 62 | Perioperative management of patients receiving long-term antithrombotic therapy. Russian Federation of anesthesiologists and reanimatologists guidelines. <i>Alexander Saltanov Intensive Care Herald</i> , 2019, , 7-19. | 0.2 | 8 |
| 63 | Intra-abdominal hypertension and hypoxic respiratory failure together predict adverse outcome – A sub-analysis of a prospective cohort. <i>Journal of Critical Care</i> , 2021, 64, 165-172. | 1.0 | 7 |
| 64 | Anesthesia and intensive care for patients with COVID-19. Russian Federation of anesthesiologists and reanimatologists guidelines. <i>Alexander Saltanov Intensive Care Herald</i> , 2022, , 5-140. | 0.2 | 7 |
| 65 | The Predictive Value of Integrated Pulmonary Index after Off-Pump Coronary Artery Bypass Grafting: A Prospective Observational Study. <i>Frontiers in Medicine</i> , 2017, 4, 132. | 1.2 | 6 |
| 66 | Anesthesia and intensive care for patients with COVID-19. Russian Federation of anesthesiologists and reanimatologists guidelines. <i>Alexander Saltanov Intensive Care Herald</i> , 2021, , 9-143. | 0.2 | 6 |
| 67 | Perioperative fluid therapy in adults. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2021, , 17. | 0.2 | 6 |
| 68 | Psychological Factors of the Professional Burnout Syndrome in Anesthesiologists and Intensive Care Physicians. <i>KliničeskaĀ SpecialĀnaĀ PsihologiĀ</i> , 2019, 8, 16-37. | 0.1 | 6 |
| 69 | In-hospital clinical outcomes after upper gastrointestinal surgery: Data from an international observational study. <i>European Journal of Surgical Oncology</i> , 2017, 43, 2324-2332. | 0.5 | 5 |
| 70 | Dynamic Tests to Predict Fluid Responsiveness After Off-Pump Coronary Artery Bypass Grafting. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 926-931. | 0.6 | 5 |
| 71 | Ventilator-associated lung injury in the intensive care unit and operating room – what's new?. <i>Messenger of Anesthesiology and Resuscitation</i> , 2020, 17, 47-61. | 0.1 | 5 |
| 72 | Goal-directed dehydration therapy in sepsis and acute respiratory distress syndrome guided by volumetric hemodynamic monitoring. <i>Messenger of Anesthesiology and Resuscitation</i> , 2020, 16, 6-15. | 0.1 | 5 |

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|----|--|-----|-----------|
| 73 | The use of epidural anesthesia in coronary surgery: pro and contra. Review. Alexander Saltanov Intensive Care Herald, 2020, , 86-95. | 0.2 | 5 |
| 74 | Pulmonary edema in hypovolemic patients. Critical Care Medicine, 2012, 40, 994-995. | 0.4 | 4 |
| 75 | History and Current Status of Cardiac Anesthesiology in Russia. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 3358-3365. | 0.6 | 4 |
| 76 | Emotional state of anesthesiologists and intensive care specialists throughout the COVID-19 pandemic. Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya, 2020, , 61. | 0.2 | 4 |
| 77 | Sepsis-induced damage to endothelial glycocalyx (literature review). Alexander Saltanov Intensive Care Herald, 2019, , 32-39. | 0.2 | 4 |
| 78 | Protective ventilation from ICU to operating room: state of art and new horizons. Korean Journal of Anesthesiology, 2020, 73, 179-193. | 0.9 | 4 |
| 79 | Comparison of sevoflurane and propofol anesthesia during off-pump coronary artery bypass grafting: effects on cerebral oxygenation and cognitive function. European Journal of Anaesthesiology, 2014, 31, 120. | 0.7 | 3 |
| 80 | SepsEast and COVID-19: Time to Make a Difference. Signa Vitae, 2020, 16, 1. | 0.8 | 3 |
| 81 | Myocardial function after off-pump coronary artery bypass grafting with combined epidural and inhalation anesthesia. Messenger of Anesthesiology and Resuscitation, 2020, 17, 6-14. | 0.1 | 3 |
| 82 | Regional anesthesia in cardiac surgery: is it necessary to refuse?. Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya, 2022, , 66. | 0.2 | 3 |
| 83 | The Glycocalyx Shedding Influences Hemodynamic and Metabolic Response to Fluid Load in Septic Shock. , 2022, 50, 94-100. | | 3 |
| 84 | The effects of methylene blue on ovine postpneumonectomy pulmonary oedema. Acta Anaesthesiologica Scandinavica, 2010, 54, 1089-1096. | 0.7 | 2 |
| 85 | ULTRASOUND-BASED MONITORING OF CARDIAC OUTPUT AFTER OFF-PUMP CORONARY ARTERY BYPASS GRAFTING. Alexander Saltanov Intensive Care Herald, 2018, , 57-60. | 0.2 | 2 |
| 86 | Low cardiac output syndrome in cardiac surgery. AIĖmanah KliniĖskoj Mediciny, 2019, 47, 276-297. | 0.2 | 2 |
| 87 | Evolution of guidelines on anesthesia and intensive care for patients with COVID-19: Editorial. Alexander Saltanov Intensive Care Herald, 2020, , 8-14. | 0.2 | 2 |
| 88 | Impact of closed suction system on the incidence of ventilator-associated pneumonia, patient colonization and contamination of inanimate surfaces. Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya, 2020, , 32. | 0.2 | 2 |
| 89 | Derecruitment Test and Surfactant Therapy in Patients with Acute Lung Injury. Critical Care Research and Practice, 2012, 2012, 1-6. | 0.4 | 1 |
| 90 | Inhibitor of neuronal nitric oxide synthase improves gas exchange in ventilator-induced lung injury after pneumonectomy. BMC Anesthesiology, 2012, 12, 10. | 0.7 | 1 |

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|-----|--|-----|-----------|
| 91 | Monitoring of Anesthetic Depth During Surgical Correction of Acquired Valvular Disorders: Single Center, Randomized Trial. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 301-307. | 0.6 | 1 |
| 92 | Letter to: acute respiratory distress syndrome in traumatic brain injury: how do we manage it?. <i>Journal of Thoracic Disease</i> , 2018, 10, E221-E223. | 0.6 | 1 |
| 93 | Distributive Shock. , 2021, , 245-255. | | 1 |
| 94 | Invasive and Non-invasive Dynamic Parameters to Predict Fluid Responsiveness After Off-pump Coronary Surgery. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2022, 50, 59-64. | 0.2 | 1 |
| 95 | Perioperative management of patients with valvular heart disease. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2020, , 6. | 0.2 | 1 |
| 96 | Perioperative management of patients receiving long-term antithrombotic therapy. Clinical practice recommendations of the national «Federation of Anesthesiologists and Reanimatologists» Alexander Saltanov Intensive Care Herald, 2021, , 7-26. | 0.2 | 1 |
| 97 | Evaluation of integrated pulmonary index in patients with cardiac diseases undergoing ophthalmic surgery. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2020, , 48. | 0.2 | 1 |
| 98 | Influence of negative labor factors on the occurrence and development of professional burnout among anesthesiologists-resuscitators. <i>Medico-Biological and Socio-Psychological Issues of Safety in Emergency Situations</i> , 2020, , 96-106. | 0.2 | 1 |
| 99 | Influence of high thoracic epidural anesthesia on response to infusion therapy in coronary artery bypass surgery: a prospective randomized controlled trial. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2021, , 35. | 0.2 | 1 |
| 100 | Goal-Directed Therapy: New Trends and Horizons. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-1. | 0.4 | 0 |
| 101 | Relationship between NT-proBNP and extravascular lung water during complex valve surgery. <i>European Journal of Anaesthesiology</i> , 2014, 31, 55. | 0.7 | 0 |
| 102 | One hundred questionnaires from repurposed hospitals: with what forces and means did we fight the «second wave» of COVID-19?. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2021, , 41. | 0.2 | 0 |
| 103 | Conclusive Remarks. , 2021, , 297-298. | | 0 |
| 104 | Volumetric Monitoring and Extravascular Lung Water in Perioperative Setting and Critically Ill. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2021, 49, 201-210. | 0.2 | 0 |
| 105 | Prognostic value of lung ultrasonography after on-pump cardiac surgery. <i>Almanah Klinicheskoj Mediciny</i> , 2019, 47, 654-661. | 0.2 | 0 |
| 106 | High flow oxygenation in acute respiratory distress syndrome: possibilities and perspectives. <i>Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya</i> , 2020, , 47. | 0.2 | 0 |
| 107 | Effect of a Perioperative Hypotension-Avoidance Strategy Versus a Hypertension-Avoidance Strategy on the Risk of Acute Kidney Injury: A Clinical Research Protocol for a Substudy of the POISE-3 Randomized Clinical Trial. <i>Canadian Journal of Kidney Health and Disease</i> , 2022, 9, 205435812110692. | 0.6 | 0 |