

Alain F Kalmar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8156301/publications.pdf>

Version: 2024-02-01

56
papers

1,357
citations

331538

21
h-index

345118

36
g-index

57
all docs

57
docs citations

57
times ranked

1359
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Minimizing sevoflurane wastage by sensible use of automated gas control technology in the flow-i workstation: an economic and ecological assessment. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1601-1610. | 0.7 | 2 |
| 2 | Life cycle assessment of memsorb use. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1569-1571. | 0.7 | 0 |
| 3 | Carbon Footprint of Anesthesia: Comment. <i>Anesthesiology</i> , 2022, , . | 1.3 | 2 |
| 4 | Comparison of haemodynamic- and electroencephalographic-monitored effects evoked by four combinations of effect-site concentrations of propofol and remifentanyl, yielding a predicted tolerance to laryngoscopy of 90%. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 815-825. | 0.7 | 5 |
| 5 | Ventilation and outcomes following robotic-assisted abdominal surgery: an international, multicentre observational study. <i>British Journal of Anaesthesia</i> , 2021, 126, 533-543. | 1.5 | 13 |
| 6 | Inhaled Anesthetics: Environmental Role, Occupational Risk, and Clinical Use. <i>Journal of Clinical Medicine</i> , 2021, 10, 1306. | 1.0 | 35 |
| 7 | A novel hybrid 3D endoscope zooming and repositioning system: Design and feasibility study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2020, 16, e2050. | 1.2 | 1 |
| 8 | Clinical and Radiological Outcomes of Hallux Rigidus Treated With Cheilectomy and a Moberg-Akin Osteotomy. <i>Foot and Ankle International</i> , 2020, 41, 294-302. | 1.1 | 8 |
| 9 | Management practices for postdural puncture headache in obstetrics: a prospective, international, cohort study. <i>British Journal of Anaesthesia</i> , 2020, 125, 1045-1055. | 1.5 | 25 |
| 10 | Improved haemodynamic stability and cerebral tissue oxygenation after induction of anaesthesia with sufentanil compared to remifentanyl: a randomised controlled trial. <i>BMC Anesthesiology</i> , 2020, 20, 258. | 0.7 | 4 |
| 11 | Complete mesocolic excision does not increase short-term complications in laparoscopic left-sided colectomies: a comparative retrospective single-center study. <i>Langenbeck's Archives of Surgery</i> , 2019, 404, 557-564. | 0.8 | 6 |
| 12 | Articulated Instruments and 3D Visualization: A Synergy? Evaluation of Execution Time, Errors, and Visual Fatigue. <i>Surgical Innovation</i> , 2019, 26, 456-463. | 0.4 | 2 |
| 13 | Is the Human Brain Capable of Controlling Seven Degrees of Freedom?. <i>Journal of Surgical Research</i> , 2019, 238, 1-9. | 0.8 | 3 |
| 14 | Chest compressions during ventilation in out-of-hospital cardiac arrest cause reversed airflow. <i>Resuscitation</i> , 2018, 129, 97-102. | 1.3 | 15 |
| 15 | Phenylephrine increases cardiac output by raising cardiac preload in patients with anesthesia induced hypotension. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 969-976. | 0.7 | 44 |
| 16 | The effect of fluid resuscitation on the effective circulating volume in patients undergoing liver surgery: a post-hoc analysis of a randomized controlled trial. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 73-80. | 0.7 | 9 |
| 17 | International multicenter observational study on assessment of ventilatory management during general anaesthesia for robotic surgery and its effects on postoperative pulmonary complication (AVATaR): study protocol and statistical analysis plan. <i>BMJ Open</i> , 2018, 8, e021643. | 0.8 | 5 |
| 18 | Brain changes due to hypoxia during light anaesthesia can be prevented by deepening anaesthesia; a study in rats. <i>PLoS ONE</i> , 2018, 13, e0193062. | 1.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Needle-Assisted Laparoendoscopic Single-Site Radical Prostatectomy Using a New Series of Steerable Instruments: Feasible Option to Overcome Current Limits?. <i>Videourology</i> (New Rochelle, N Y), 2018, 32, . | 0.1 | 0 |
| 20 | Prophylactic atropine administration attenuates the negative haemodynamic effects of induction of anaesthesia with propofol and high-dose remifentanil. <i>European Journal of Anaesthesiology</i> , 2017, 34, 695-701. | 0.7 | 16 |
| 21 | Comparisons of Electroencephalographically Derived Measures of Hypnosis and Antinociception in Response to Standardized Stimuli During Target-Controlled Propofol-Remifentanil Anesthesia. <i>Anesthesia and Analgesia</i> , 2016, 122, 382-392. | 1.1 | 28 |
| 22 | Automatic detection of oesophageal intubation based on ventilation pressure waveforms shows high sensitivity and specificity in patients with pulmonary disease. <i>Resuscitation</i> , 2016, 105, 36-40. | 1.3 | 2 |
| 23 | The use of the trendelenburg position in the surgical treatment of extreme cerebellar slump. <i>British Journal of Neurosurgery</i> , 2016, 30, 115-119. | 0.4 | 5 |
| 24 | Lower Extremity Near-infrared Spectroscopy After Popliteal Block For Orthopaedic Foot Surgery. <i>The Open Orthopaedics Journal</i> , 2016, 10, 258-263. | 0.1 | 6 |
| 25 | The Validity of Eady in Spontaneously Breathing Patients. <i>Anesthesia and Analgesia</i> , 2015, 121, 1400. | 1.1 | 1 |
| 26 | Differential effects of phenylephrine and norepinephrine on peripheral tissue oxygenation during general anaesthesia. <i>European Journal of Anaesthesiology</i> , 2015, 32, 571-580. | 0.7 | 39 |
| 27 | Noninvasive pulse pressure variation and stroke volume variation to predict fluid responsiveness at multiple thresholds: a prospective observational study. <i>Canadian Journal of Anaesthesia</i> , 2015, 62, 1153-1160. | 0.7 | 33 |
| 28 | Reply from the authors: Are we ready for non-invasive blood pressure monitoring?â€”reply. <i>British Journal of Anaesthesia</i> , 2015, 115, 130-131. | 1.5 | 0 |
| 29 | Optic Nerve Sheath Diameter Remains Constant during Robot Assisted Laparoscopic Radical Prostatectomy. <i>PLoS ONE</i> , 2014, 9, e111916. | 1.1 | 34 |
| 30 | A Novel Design for Steerable Instruments Based on Laser-Cut Nitinol. <i>Surgical Innovation</i> , 2014, 21, 303-311. | 0.4 | 14 |
| 31 | Tissue oxygenation as a target for goal-directed therapy in high-risk surgery: a pilot study. <i>BMC Anesthesiology</i> , 2014, 14, 122. | 0.7 | 22 |
| 32 | Hemodynamics and tissue oxygenation during balanced anesthesia with a high antinociceptive contribution: an observational study. <i>Perioperative Medicine (London, England)</i> , 2014, 3, 9. | 0.6 | 8 |
| 33 | Accuracy of the Composite Variability Index as a Measure of the Balance Between Nociception and Antinociception During Anesthesia. <i>Anesthesia and Analgesia</i> , 2014, 119, 288-301. | 1.1 | 42 |
| 34 | Bispectral index values and propofol concentrations at loss and return of consciousness in patients with frontal brain tumours and control patients. <i>British Journal of Anaesthesia</i> , 2014, 112, 110-117. | 1.5 | 15 |
| 35 | Comparison of continuous non-invasive finger arterial pressure monitoring with conventional intermittent automated arm arterial pressure measurement in patients under general anaesthesia. <i>British Journal of Anaesthesia</i> , 2014, 113, 67-74. | 1.5 | 65 |
| 36 | Perioperative Calibration of Noninvasive Hemoglobin Monitoring. <i>Anesthesia and Analgesia</i> , 2014, 118, 481. | 1.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Patients with cardiac arrest are ventilated two times faster than guidelines recommend: An observational prehospital study using tracheal pressure measurement. <i>Resuscitation</i> , 2013, 84, 921-926. | 1.3 | 32 |
| 38 | Comparison of arterial pressure and plethysmographic waveform-based dynamic preload variables in assessing fluid responsiveness and dynamic arterial tone in patients undergoing major hepatic resection. <i>British Journal of Anaesthesia</i> , 2013, 110, 940-946. | 1.5 | 50 |
| 39 | Heart rate and the assessment of changes in venous return after phenylephrine. <i>Journal of Applied Physiology</i> , 2013, 114, 1646-1646. | 1.2 | 2 |
| 40 | Cerebral haemodynamic physiology during steep Trendelenburg position and CO2 pneumoperitoneum. <i>British Journal of Anaesthesia</i> , 2012, 108, 478-484. | 1.5 | 46 |
| 41 | Accuracy of non-invasive measurement of haemoglobin concentration by pulse co-oximetry during steady-state and dynamic conditions in liver surgery. <i>British Journal of Anaesthesia</i> , 2012, 109, 522-528. | 1.5 | 56 |
| 42 | Excessive chest compression rate is associated with insufficient compression depth in prehospital cardiac arrest. <i>Resuscitation</i> , 2012, 83, 1319-1323. | 1.3 | 66 |
| 43 | A novel method to detect accidental oesophageal intubation based on ventilation pressure waveforms. <i>Resuscitation</i> , 2012, 83, 177-182. | 1.3 | 19 |
| 44 | Anesthetic Considerations for Robotic Surgery in the Steep Trendelenburg Position. <i>Advances in Anesthesia</i> , 2012, 30, 75-96. | 0.5 | 15 |
| 45 | Pressure monitoring during neuroendoscopy: new insights. <i>British Journal of Anaesthesia</i> , 2011, 107, 218-224. | 1.5 | 4 |
| 46 | Influence of steep Trendelenburg position and CO2 pneumoperitoneum on cardiovascular, cerebrovascular, and respiratory homeostasis during robotic prostatectomy. <i>British Journal of Anaesthesia</i> , 2010, 104, 433-439. | 1.5 | 200 |
| 47 | Steep Trendelenburg position, intracranial pressure, and dexamethasone. <i>British Journal of Anaesthesia</i> , 2010, 105, 548-549. | 1.5 | 4 |
| 48 | Influence of an increased intracranial pressure on cerebral and systemic haemodynamics during endoscopic neurosurgery: an animal model. <i>British Journal of Anaesthesia</i> , 2009, 102, 361-368. | 1.5 | 13 |
| 49 | Pulmonary gas exchange is well preserved during robot assisted surgery in steep Trendelenburg position. <i>Acta Anaesthesiologica Belgica</i> , 2009, 60, 229-33. | 0.0 | 22 |
| 50 | Long-term pressure monitoring with arterial applanation tonometry: A non-invasive alternative during clinical intervention?. <i>Technology and Health Care</i> , 2008, 16, 183-193. | 0.5 | 6 |
| 51 | Long-term pressure monitoring with arterial applanation tonometry: a non-invasive alternative during clinical intervention?. <i>Technology and Health Care</i> , 2008, 16, 183-93. | 0.5 | 2 |
| 52 | Reversal of Rocuronium-Induced Neuromuscular Block with the Novel Drug Sugammadex Is Equally Effective Under Maintenance Anesthesia with Propofol or Sevoflurane. <i>Anesthesia and Analgesia</i> , 2007, 104, 563-568. | 1.1 | 124 |
| 53 | Exceptional Clinical Observation: Total Brain Ischemia During Normal Intracranial Pressure Readings Caused by Obstruction of the Outflow of a Neuroendoscope. <i>Journal of Neurosurgical Anesthesiology</i> , 2005, 17, 175-176. | 0.6 | 15 |
| 54 | Value of Cushing reflex as warning sign for brain ischaemia during neuroendoscopy – This work was performed at the Department of Anaesthesia, Ghent University Hospital, Ghent, Belgium.. <i>British Journal of Anaesthesia</i> , 2005, 94, 791-799. | 1.5 | 66 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Time course of inhaled anaesthetic drug delivery using a new multifunctional closed-circuit anaesthesia ventilator. In vitro comparison with a classical anaesthesia machine. British Journal of Anaesthesia, 2005, 94, 306-317. | 1.5 | 61 |
| 56 | Transfer of normal ^{99m} Tc-ECD brain SPET databases between different gamma cameras. European Journal of Nuclear Medicine and Molecular Imaging, 2001, 28, 435-449. | 2.2 | 33 |