

John F Fraser

List of Publications by Year in descending order

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Version: 2024-02-01

296
papers

9,742
citations

50273

46
h-index

51602

86
g-index

310
all docs

310
docs citations

310
times ranked

9228
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Extracorporeal membrane oxygenation support in COVID-19: an international cohort study of the Extracorporeal Life Support Organization registry. <i>Lancet, The</i> , 2020, 396, 1071-1078. | 13.7 | 656 |
| 2 | The inflammatory response to extracorporeal membrane oxygenation (ECMO): a review of the pathophysiology. <i>Critical Care</i> , 2016, 20, 387. | 5.8 | 452 |
| 3 | Position Paper for the Organization of Extracorporeal Membrane Oxygenation Programs for Acute Respiratory Failure in Adult Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 488-496. | 5.6 | 400 |
| 4 | Mid and long-term neurological and neuropsychiatric manifestations of post-COVID-19 syndrome: A meta-analysis. <i>Journal of the Neurological Sciences</i> , 2022, 434, 120162. | 0.6 | 335 |
| 5 | A Randomized Trial of High-Flow Oxygen Therapy in Infants with Bronchiolitis. <i>New England Journal of Medicine</i> , 2018, 378, 1121-1131. | 27.0 | 292 |
| 6 | Initial ELSO Guidance Document: ECMO for COVID-19 Patients with Severe Cardiopulmonary Failure. <i>ASAIO Journal</i> , 2020, 66, 472-474. | 1.6 | 259 |
| 7 | Pharmacokinetic changes in patients receiving extracorporeal membrane oxygenation. <i>Journal of Critical Care</i> , 2012, 27, 741.e9-741.e18. | 2.2 | 257 |
| 8 | Use of high-flow nasal cannula oxygenation in ICU adults: a narrative review. <i>Intensive Care Medicine</i> , 2016, 42, 1336-1349. | 8.2 | 237 |
| 9 | Sequestration of drugs in the circuit may lead to therapeutic failure during extracorporeal membrane oxygenation. <i>Critical Care</i> , 2012, 16, R194. | 5.8 | 233 |
| 10 | Position paper for the organization of ECMO programs for cardiac failure in adults. <i>Intensive Care Medicine</i> , 2018, 44, 717-729. | 8.2 | 230 |
| 11 | The role for high flow nasal cannula as a respiratory support strategy in adults: a clinical practice guideline. <i>Intensive Care Medicine</i> , 2020, 46, 2226-2237. | 8.2 | 185 |
| 12 | Protein-bound drugs are prone to sequestration in the extracorporeal membrane oxygenation circuit: results from an ex vivo study. <i>Critical Care</i> , 2015, 19, 164. | 5.8 | 181 |
| 13 | Nasal high flow oxygen therapy in patients with COPD reduces respiratory rate and tissue carbon dioxide while increasing tidal and end-expiratory lung volumes: a randomised crossover trial. <i>Thorax</i> , 2016, 71, 759-761. | 5.6 | 154 |
| 14 | Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure in adult patients: a comprehensive review. <i>Critical Care</i> , 2014, 18, 219. | 5.8 | 144 |
| 15 | Direct extubation onto high-flow nasal cannulae post-cardiac surgery versus standard treatment in patients with a BMI ≥ 30 : a randomised controlled trial. <i>Intensive Care Medicine</i> , 2015, 41, 887-894. | 8.2 | 141 |
| 16 | Bivalirudin for Alternative Anticoagulation in Extracorporeal Membrane Oxygenation: A Systematic Review. <i>Journal of Intensive Care Medicine</i> , 2017, 32, 312-319. | 2.8 | 127 |
| 17 | Unintended Consequences: Fluid Resuscitation Worsens Shock in an Ovine Model of Endotoxemia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1043-1054. | 5.6 | 114 |
| 18 | Recombinant human activated protein C improves pulmonary function in ovine acute lung injury resulting from smoke inhalation and sepsis. <i>Critical Care Medicine</i> , 2006, 34, 2432-2438. | 0.9 | 108 |

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|----|---|------|-----------|
| 19 | Dressings and securements for the prevention of peripheral intravenous catheter failure in adults (SAVE): a pragmatic, randomised controlled, superiority trial. <i>Lancet, The</i> , 2018, 392, 419-430. | 13.7 | 107 |
| 20 | Mechanical Ventilation for Acute Respiratory Distress Syndrome during Extracorporeal Life Support. Research and Practice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 514-525. | 5.6 | 105 |
| 21 | Extracorporeal life support for adults with acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2020, 46, 2464-2476. | 8.2 | 98 |
| 22 | Cytotoxicity of topical antimicrobial agents used in burn wounds in Australasia. <i>ANZ Journal of Surgery</i> , 2004, 74, 139-142. | 0.7 | 95 |
| 23 | Maximal Recruitment Open Lung Ventilation in Acute Respiratory Distress Syndrome (PHARLAP). A Phase II, Multicenter Randomized Controlled Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1363-1372. | 5.6 | 93 |
| 24 | Emerging Spectra of Silent Brain Infarction. <i>Stroke</i> , 2014, 45, 3461-3471. | 2.0 | 92 |
| 25 | A Compact Mock Circulation Loop for the In Vitro Testing of Cardiovascular Devices. <i>Artificial Organs</i> , 2011, 35, 384-391. | 1.9 | 90 |
| 26 | ASAP ECMO: Antibiotic, Sedative and Analgesic Pharmacokinetics during Extracorporeal Membrane Oxygenation: a multi-centre study to optimise drug therapy during ECMO. <i>BMC Anesthesiology</i> , 2012, 12, 29. | 1.8 | 90 |
| 27 | Restricted fluid resuscitation in suspected sepsis associated hypotension (REFRESH): a pilot randomised controlled trial. <i>Intensive Care Medicine</i> , 2018, 44, 2070-2078. | 8.2 | 89 |
| 28 | The combined effects of extracorporeal membrane oxygenation and renal replacement therapy on meropenem pharmacokinetics: a matched cohort study. <i>Critical Care</i> , 2014, 18, 565. | 5.8 | 87 |
| 29 | Fundamentals of aerosol therapy in critical care. <i>Critical Care</i> , 2016, 20, 269. | 5.8 | 78 |
| 30 | The Complex Relationship of Extracorporeal Membrane Oxygenation and Acute Kidney Injury: Causation or Association?. <i>BioMed Research International</i> , 2016, 2016, 1-14. | 1.9 | 70 |
| 31 | An in vitro study of the anti-microbial efficacy of a 1% silver sulphadiazine and 0.2% chlorhexidine digluconate cream, 1% silver sulphadiazine cream and a silver coated dressing. <i>Burns</i> , 2004, 30, 35-41. | 1.9 | 69 |
| 32 | Early high flow nasal cannula therapy in bronchiolitis, a prospective randomised control trial (protocol): A Paediatric Acute Respiratory Intervention Study (PARIS). <i>BMC Pediatrics</i> , 2015, 15, 183. | 1.7 | 67 |
| 33 | Can physicochemical properties of antimicrobials be used to predict their pharmacokinetics during extracorporeal membrane oxygenation? Illustrative data from ovine models. <i>Critical Care</i> , 2015, 19, 437. | 5.8 | 67 |
| 34 | Age of blood and recipient factors determine the severity of transfusion-related acute lung injury (TRALI). <i>Critical Care</i> , 2012, 16, R19. | 5.8 | 64 |
| 35 | Venovenous extracorporeal membrane oxygenation in patients with acute covid-19 associated respiratory failure: comparative effectiveness study. <i>BMJ, The</i> , 2022, 377, e068723. | 6.0 | 63 |
| 36 | Theoretical Foundations of a Starling-Like Controller for Rotary Blood Pumps. <i>Artificial Organs</i> , 2012, 36, 787-796. | 1.9 | 62 |

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|----|--|-----|-----------|
| 37 | Securement Methods for Peripheral Venous Catheters to Prevent Failure: A Randomised Controlled Pilot Trial. <i>Journal of Vascular Access</i> , 2015, 16, 237-244. | 0.9 | 59 |
| 38 | The use of tracheostomy speaking valves in mechanically ventilated patients results in improved communication and does not prolong ventilation time in cardiothoracic intensive care unit patients. <i>Journal of Critical Care</i> , 2015, 30, 491-494. | 2.2 | 58 |
| 39 | Fibrinogen Early In Severe Trauma studyY (FEISTY): study protocol for a randomised controlled trial. <i>Trials</i> , 2017, 18, 241. | 1.6 | 56 |
| 40 | ECMO use in COVID-19: lessons from past respiratory virus outbreaksâ€”a narrative review. <i>Critical Care</i> , 2020, 24, 301. | 5.8 | 56 |
| 41 | High-flow nasal cannulae for respiratory support in adult intensive care patients. <i>The Cochrane Library</i> , 2017, 5, CD010172. | 2.8 | 54 |
| 42 | Extracorporeal Membrane Oxygenation in Pregnant and Postpartum Women With H1N1-Related Acute Respiratory Distress Syndrome. <i>Obstetrics and Gynecology</i> , 2016, 127, 241-247. | 2.4 | 52 |
| 43 | Selection of reference genes for normalisation of real-time RT-PCR in brain-stem death injury in <i>Ovis aries</i> . <i>BMC Molecular Biology</i> , 2009, 10, 72. | 3.0 | 51 |
| 44 | Skin Glue Reduces the Failure Rate of Emergency Departmentâ€”Inserted Peripheral Intravenous Catheters: A Randomized Controlled Trial. <i>Annals of Emergency Medicine</i> , 2016, 68, 196-201. | 0.6 | 51 |
| 45 | Measurement of the frequency and source of interruptions occurring during bedside nursing handover in the intensive care unit: An observational study. <i>Australian Critical Care</i> , 2015, 28, 19-23. | 1.3 | 50 |
| 46 | Biventricular Assist Devices: A Technical Review. <i>Annals of Biomedical Engineering</i> , 2011, 39, 2313-2328. | 2.5 | 49 |
| 47 | Mechanical circulatory support in the new era: an overview. <i>Critical Care</i> , 2016, 20, 66. | 5.8 | 48 |
| 48 | Ceftazidime improves hemodynamics and oxygenation in ovine smoke inhalation injury and septic shock. <i>Intensive Care Medicine</i> , 2007, 33, 1219-1227. | 8.2 | 45 |
| 49 | Low flow rate alters haemostatic parameters in an ex-vivo extracorporeal membrane oxygenation circuit. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 51. | 1.9 | 45 |
| 50 | Extracorporeal Membrane Oxygenation for Very High-risk Transcatheter Aortic Valve Implantation. <i>Heart Lung and Circulation</i> , 2014, 23, 957-962. | 0.4 | 44 |
| 51 | Evaluation of Physiological Control Systems for Rotary Left Ventricular Assist Devices: An In-Vitro Study. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2377-2387. | 2.5 | 44 |
| 52 | Starling-Like Flow Control of a Left Ventricular Assist Device: In Vitro Validation. <i>Artificial Organs</i> , 2014, 38, E46-E56. | 1.9 | 42 |
| 53 | REstricted Fluid REsuscitation in Sepsis-associated Hypotension (REFRESH): study protocol for a pilot randomised controlled trial. <i>Trials</i> , 2017, 18, 399. | 1.6 | 41 |
| 54 | A randomized, controlled pilot clinical trial of cryopreserved platelets for perioperative surgical bleeding: the CLIPâ†† trial <i>(Editorial, p. 2759)</i>. <i>Transfusion</i> , 2019, 59, 2794-2804. | 1.6 | 40 |

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|----|---|-----|-----------|
| 55 | Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia-Induced Reperfusion Injury. <i>Circulation</i> , 2021, 144, 947-960. | 1.6 | 40 |
| 56 | Anti-thrombogenic Surface Coatings for Extracorporeal Membrane Oxygenation: A Narrative Review. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4402-4419. | 5.2 | 39 |
| 57 | The ECMO PK Project: an incremental research approach to advance understanding of the pharmacokinetic alterations and improve patient outcomes during extracorporeal membrane oxygenation. <i>BMC Anesthesiology</i> , 2013, 13, 7. | 1.8 | 38 |
| 58 | Exercise Studies in Patients With Rotary Blood Pumps: Cause, Effects, and Implications for Starling-Like Control of Changes in Pump Flow. <i>Artificial Organs</i> , 2013, 37, 695-703. | 1.9 | 38 |
| 59 | Physiological Control of Dual Rotary Pumps as a Biventricular Assist Device Using a Master/Slave Approach. <i>Artificial Organs</i> , 2014, 38, n/a-n/a. | 1.9 | 37 |
| 60 | Fibrinogen in traumatic haemorrhage: A narrative review. <i>Injury</i> , 2017, 48, 230-242. | 1.7 | 37 |
| 61 | Nano- and micro-materials in the treatment of internal bleeding and uncontrolled hemorrhage. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 507-519. | 3.3 | 37 |
| 62 | Veno-Arterial ECMO in the Setting of Post-Infarct Ventricular Septal Defect: A Bridge to Surgical Repair. <i>Heart Lung and Circulation</i> , 2016, 25, 1063-1066. | 0.4 | 36 |
| 63 | Speaking valves in tracheostomised ICU patients weaning off mechanical ventilation - do they facilitate lung recruitment?. <i>Critical Care</i> , 2016, 20, 91. | 5.8 | 35 |
| 64 | Effect of infusion set replacement intervals on catheter-related bloodstream infections (RSVP): a randomised, controlled, equivalence (central venous access device) vs non-inferiority (peripheral) trial. <i>BMJ</i> , 2019, 368, g20190000. | 1.0 | 31 |
| 65 | Effect of smoke inhalation on viscoelastic properties and ventilation distribution in sheep. <i>Journal of Applied Physiology</i> , 2006, 101, 763-770. | 2.5 | 32 |
| 66 | The Australasian Resuscitation In Sepsis Evaluation: Fluids or vasopressors in emergency department sepsis (ARISE FLUIDS), a multicentre observational study describing current practice in Australia and New Zealand. <i>EMA - Emergency Medicine Australasia</i> , 2020, 32, 586-598. | 1.1 | 32 |
| 67 | Evaluation of an emergency safe supply drugs and managed alcohol program in COVID-19 isolation hotel shelters for people experiencing homelessness. <i>Drug and Alcohol Dependence</i> , 2022, 235, 109440. | 3.2 | 32 |
| 68 | Are pressure injuries related to skin failure in critically ill patients?. <i>Australian Critical Care</i> , 2018, 31, 257-263. | 1.3 | 31 |
| 69 | End-expiratory lung volume recovers more slowly after closed endotracheal suctioning than after open suctioning: A randomized crossover study. <i>Journal of Critical Care</i> , 2012, 27, 742.e1-742.e7. | 2.2 | 30 |
| 70 | Transesophageal echocardiography in the management of burn patients. <i>Burns</i> , 2014, 40, 630-635. | 1.9 | 30 |
| 71 | A comprehensive study of ovine haemostasis to assess suitability to model human coagulation. <i>Thrombosis Research</i> , 2014, 134, 468-473. | 1.7 | 30 |
| 72 | Neurological Injury in Intermediate-Risk Transcatheter Aortic Valve Implantation. <i>Journal of the American Heart Association</i> , 2016, 5, . | 3.7 | 30 |

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|----|---|-----|-----------|
| 73 | Novel technologies can provide effective dressing and securement for peripheral arterial catheters: A pilot randomised controlled trial in the operating theatre and the intensive care unit. <i>Australian Critical Care</i> , 2015, 28, 140-148. | 1.3 | 29 |
| 74 | Transfusion of packed red blood cells at the end of shelf life is associated with increased risk of mortality â€“ a pooled patient data analysis of 16 observational trials. <i>Haematologica</i> , 2018, 103, 1542-1548. | 3.5 | 29 |
| 75 | High-flow oxygen via tracheostomy improves oxygenation in patients weaning from mechanical ventilation: a randomised crossover study. <i>Intensive Care Medicine</i> , 2017, 43, 465-467. | 8.2 | 28 |
| 76 | Cardiovascular disease in SARSâ€“CoVâ€“2 infection. <i>Clinical and Translational Immunology</i> , 2021, 10, e1343. | 3.8 | 28 |
| 77 | Beneficial Effect of Prone Positioning During Venovenous Extracorporeal Membrane Oxygenation for Coronavirus Disease 2019*. <i>Critical Care Medicine</i> , 2022, 50, 275-285. | 0.9 | 28 |
| 78 | Geriatric Cardiac Surgery: Chronology vs. Biology. <i>Heart Lung and Circulation</i> , 2014, 23, 794-801. | 0.4 | 27 |
| 79 | Combined Mesenchymal Stromal Cell Therapy and Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome. A Randomized Controlled Trial in Sheep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 383-392. | 5.6 | 27 |
| 80 | Securing All intraVenous devices Effectively in hospitalised patientsâ€“the SAVE trial: study protocol for a multicentre randomised controlled trial. <i>BMJ Open</i> , 2015, 5, e008689. | 1.9 | 26 |
| 81 | In Vitro Comparison of Active and Passive Physiological Control Systems for Biventricular Assist Devices. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1370-1380. | 2.5 | 26 |
| 82 | Advances in critical care management of patients undergoing cardiac surgery. <i>Intensive Care Medicine</i> , 2018, 44, 799-810. | 8.2 | 26 |
| 83 | Neurologic Injury and Protection in Adult Cardiac and Aortic Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 185-195. | 1.3 | 25 |
| 84 | In Vivo Evaluation of Active and Passive Physiological Control Systems for Rotary Left and Right Ventricular Assist Devices. <i>Artificial Organs</i> , 2016, 40, 894-903. | 1.9 | 24 |
| 85 | Myocardial and haemodynamic responses to two fluid regimens in African children with severe malnutrition and hypovolaemic shock (AFRIM study). <i>Critical Care</i> , 2017, 21, 103. | 5.8 | 24 |
| 86 | Evidence of altered haemostasis in an ovine model of venovenous extracorporeal membrane oxygenation support. <i>Critical Care</i> , 2017, 21, 191. | 5.8 | 24 |
| 87 | Deep dermal burn injury results in scarless wound healing in the ovine fetus. <i>Wound Repair and Regeneration</i> , 2005, 13, 189-197. | 3.0 | 23 |
| 88 | Inflammation and lung injury in an ovine model of fluid resuscitated endotoxemic shock. <i>Respiratory Research</i> , 2018, 19, 231. | 3.6 | 23 |
| 89 | Venoarterial extracorporeal membrane oxygenation: A systematic review of selection criteria, outcome measures and definitions of complications. <i>Journal of Critical Care</i> , 2019, 53, 32-37. | 2.2 | 23 |
| 90 | Biofilm formation and migration on ventricular assist device drivelines. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 491-502.e2. | 0.8 | 23 |

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|-----|--|------|-----------|
| 91 | An advanced mock circulation loop for in vitro cardiovascular device evaluation. <i>Artificial Organs</i> , 2020, 44, E238-E250. | 1.9 | 23 |
| 92 | Atrial Versus Ventricular Cannulation for a Rotary Ventricular Assist Device. <i>Artificial Organs</i> , 2010, 34, 714-720. | 1.9 | 22 |
| 93 | Assessment of Right Pump Outflow Banding and Speed Changes on Pulmonary Hemodynamics During Biventricular Support With Two Rotary Left Ventricular Assist Devices. <i>Artificial Organs</i> , 2011, 35, 807-813. | 1.9 | 22 |
| 94 | Long-term prognosis and cost-effectiveness of left ventricular assist device as bridge to transplantation: A systematic review. <i>International Journal of Cardiology</i> , 2017, 235, 22-32. | 1.7 | 22 |
| 95 | Cannula and circuit management in peripheral extracorporeal membrane oxygenation: An international survey of 45 countries. <i>PLoS ONE</i> , 2019, 14, e0227248. | 2.5 | 22 |
| 96 | Apples and oranges: international comparisons of COVID-19 observational studies in ICUs. <i>Lancet Respiratory Medicine</i> , 2020, 8, 952-953. | 10.7 | 22 |
| 97 | Ethical factors determining ECMO allocation during the COVID-19 pandemic. <i>BMC Medical Ethics</i> , 2021, 22, 70. | 2.4 | 22 |
| 98 | A randomised controlled trial of amniotic membrane in the treatment of a standardised burn injury in the merino lamb. <i>Burns</i> , 2009, 35, 998-1003. | 1.9 | 21 |
| 99 | Review article: Sepsis in the emergency department – Part 2: Investigations and monitoring. <i>EMA - Emergency Medicine Australasia</i> , 2018, 30, 4-12. | 1.1 | 21 |
| 100 | Respiratory support for infants with bronchiolitis, a narrative review of the literature. <i>Paediatric Respiratory Reviews</i> , 2019, 30, 16-24. | 1.8 | 21 |
| 101 | Meta-Analysis of Electroacupuncture in Cardiac Anesthesia and Intensive Care. <i>Journal of Intensive Care Medicine</i> , 2019, 34, 652-661. | 2.8 | 21 |
| 102 | Airborne spread of SARS-CoV-2 while using high-flow nasal cannula oxygen therapy: myth or reality?. <i>Intensive Care Medicine</i> , 2020, 46, 2248-2251. | 8.2 | 21 |
| 103 | An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. <i>Critical Care</i> , 2021, 25, 199. | 5.8 | 21 |
| 104 | Speaking valves as part of standard care with tracheostomized mechanically ventilated patients in intensive care unit. <i>Journal of Critical Care</i> , 2015, 30, 1119-1120. | 2.2 | 20 |
| 105 | Activation of the protein C pathway and endothelial glycocalyx shedding is associated with coagulopathy in an ovine model of trauma and hemorrhage. <i>Journal of Trauma and Acute Care Surgery</i> , 2016, 81, 674-684. | 2.1 | 20 |
| 106 | Studying the Endothelial Glycocalyx in vitro: What Is Missing?. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 647086. | 2.4 | 20 |
| 107 | Ischemic and Hemorrhagic Stroke Among Critically Ill Patients With Coronavirus Disease 2019: An International Multicenter Coronavirus Disease 2019 Critical Care Consortium Study*. <i>Critical Care Medicine</i> , 2021, 49, e1223-e1233. | 0.9 | 20 |
| 108 | Optimal Management of the Critically Ill: Anaesthesia, Monitoring, Data Capture, and Point-of-Care Technological Practices in Ovine Models of Critical Care. <i>BioMed Research International</i> , 2014, 2014, 1-17. | 1.9 | 19 |

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|-----|---|-----|-----------|
| 109 | Ventilation distribution and lung recruitment with speaking valve use in tracheostomised patient weaning from mechanical ventilation in intensive care. <i>Journal of Critical Care</i> , 2017, 40, 164-170. | 2.2 | 19 |
| 110 | Earlier tracheostomy is associated with an earlier return to walking, talking, and eating. <i>Australian Critical Care</i> , 2020, 33, 213-218. | 1.3 | 19 |
| 111 | Neurological Manifestations of Coronavirus Disease 2019: A Comprehensive Review and Meta-Analysis of the First 6 Months of Pandemic Reporting. <i>Frontiers in Neurology</i> , 2021, 12, 664599. | 2.4 | 19 |
| 112 | Development of simulated and ovine models of extracorporeal life support to improve understanding of circuit-host interactions. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2012, 14, 105-11. | 0.1 | 19 |
| 113 | Natural history of hypercoagulability in patients undergoing coronary revascularization and effect of preoperative myocardial infarction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 536-543. | 0.8 | 18 |
| 114 | The impact of acute lung injury, ECMO and transfusion on oxidative stress and plasma selenium levels in an ovine model. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 30, 4-10. | 3.0 | 18 |
| 115 | ECMO as a bridge to non-transplant cardiac surgery. <i>Journal of Cardiac Surgery</i> , 2017, 32, 514-521. | 0.7 | 18 |
| 116 | An Ovine Model of Hyperdynamic Endotoxemia and Vital Organ Metabolism. <i>Shock</i> , 2018, 49, 99-107. | 2.1 | 18 |
| 117 | Speed Modulation of the HeartWare HVAD to Assess In Vitro Hemocompatibility of Pulsatile and Continuous Flow Regimes in a Rotary Blood Pump. <i>Artificial Organs</i> , 2018, 42, 879-890. | 1.9 | 18 |
| 118 | Lung Volume Changes During Cleaning of Closed Endotracheal Suction Catheters: A Randomized Crossover Study Using Electrical Impedance Tomography. <i>Respiratory Care</i> , 2014, 59, 497-503. | 1.6 | 17 |
| 119 | Head-of-Bed Elevation Improves End-Expiratory Lung Volumes in Mechanically Ventilated Subjects: A Prospective Observational Study. <i>Respiratory Care</i> , 2014, 59, 1583-1589. | 1.6 | 17 |
| 120 | Intravascular device administration sets: replacement after standard versus prolonged use in hospitalised patients--a study protocol for a randomised controlled trial (The RSVP Trial). <i>BMJ Open</i> , 2015, 5, e007257-e007257. | 1.9 | 17 |
| 121 | Inflammation and lung injury in an ovine model of extracorporeal membrane oxygenation support. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L1202-L1212. | 2.9 | 17 |
| 122 | The effect of pregabalin and celecoxib on the analgesic requirements after laparoscopic cholecystectomy: a randomized controlled trial. <i>Journal of Anesthesia</i> , 2016, 30, 64-71. | 1.7 | 17 |
| 123 | Extracorporeal membrane oxygenation (ECMO) and the acute respiratory distress syndrome (ARDS): a systematic review of pre-clinical models. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 18. | 1.9 | 17 |
| 124 | Lung Pharmacokinetics of Tobramycin by Intravenous and Nebulized Dosing in a Mechanically Ventilated Healthy Ovine Model. <i>Anesthesiology</i> , 2019, 131, 344-355. | 2.5 | 17 |
| 125 | Safety and Putative Benefits of Tracheostomy Tube Placement in Patients on Extracorporeal Membrane Oxygenation: A Single-Center Experience. <i>Journal of Intensive Care Medicine</i> , 2020, 35, 1153-1161. | 2.8 | 17 |
| 126 | Development and validation of ELISAs for the quantitation of interleukin (IL)-1 β , IL-6, IL-8 and IL-10 in ovine plasma. <i>Journal of Immunological Methods</i> , 2020, 486, 112835. | 1.4 | 17 |

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|-----|---|-----|-----------|
| 127 | Design and rationale of the COVID-19 Critical Care Consortium international, multicentre, observational study. <i>BMJ Open</i> , 2020, 10, e041417. | 1.9 | 17 |
| 128 | Hemodynamic Response to Exercise and Head-Up Tilt of Patients Implanted With a Rotary Blood Pump: A Computational Modeling Study. <i>Artificial Organs</i> , 2015, 39, E24-35. | 1.9 | 16 |
| 129 | Extracorporeal membrane oxygenation line-associated complications: in vitro testing of cyanoacrylate tissue adhesive and securement devices to prevent infection and dislodgement. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 6. | 1.9 | 16 |
| 130 | Mesenchymal stem cells may ameliorate inflammation in an ex vivo model of extracorporeal membrane oxygenation. <i>Perfusion (United Kingdom)</i> , 2019, 34, 15-21. | 1.0 | 16 |
| 131 | Effect of ex vivo extracorporeal membrane oxygenation flow dynamics on immune response. <i>Perfusion (United Kingdom)</i> , 2019, 34, 5-14. | 1.0 | 16 |
| 132 | First-line oxygen therapy with high-flow in bronchiolitis is not cost saving for the health service. <i>Archives of Disease in Childhood</i> , 2020, 105, 975-980. | 1.9 | 16 |
| 133 | The Australasian Resuscitation In Sepsis Evaluation: FLUID or vasopressors In Emergency Department Sepsis, a multicentre observational study (ARISE FLUIDS observational study): Rationale, methods and analysis plan. <i>EMA - Emergency Medicine Australasia</i> , 2019, 31, 90-96. | 1.1 | 15 |
| 134 | Discrete responses of erythrocytes, platelets, and von Willebrand factor to shear. <i>Journal of Biomechanics</i> , 2022, 130, 110898. | 2.1 | 15 |
| 135 | The morning after the night before: campfires revisited. <i>Medical Journal of Australia</i> , 2003, 178, 30-30. | 1.7 | 14 |
| 136 | Left Ventricular Endocardial Definition Enhancement Using Perflutren Microsphere Contrast Echocardiography during Peripheral Venoarterial Extracorporeal Membranous Oxygenation. <i>Echocardiography</i> , 2010, 27, E112-4. | 0.9 | 14 |
| 137 | Maintaining Oxygenation Successfully with High Flow Nasal Cannula during Diagnostic Bronchoscopy on a Postoperative Lung Transplant Patient in the Intensive Care. <i>Case Reports in Critical Care</i> , 2014, 2014, 1-3. | 0.4 | 14 |
| 138 | In Vitro and In Vivo Characterization of Three Different Modes of Pump Operation When Using a Left Ventricular Assist Device as a Right Ventricular Assist Device. <i>Artificial Organs</i> , 2014, 38, 931-939. | 1.9 | 14 |
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